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Bobby Wilson to Receive AAG Presidential Achievement Award

The AAG is pleased to announce that the 2012 AAG Presidential Achievement Award will be presented to Bobby Wilson, Professor and Interim Chair, Department of Geography, University of Alabama, Tuscaloosa, Alabama. Wilson is being honored for his career-long dedication to anti-racist scholarship in geography, as well as for his a mentorship to many students and for the example he has set for colleagues throughout his academic career.



Wilson

For four decades, Bobby Wilson has been devoted to empirically rich, politically engaged, and theoretic-

cally sophisticated scholarship ranging from issues of housing, urban revitalization, economic development, and social justice for Black communities, to sophisticated theoretical appraisals of capitalist processes, social engineering, and neoliberalism. It was at Clark that Wilson co-authored his first journal article, "Symposium: Black perspectives on Geography," (*Antipode* 1972) chronicling the efforts

of Donald Deskins Jr. in bringing together a very small number of African-American geographers whose understanding of the discipline and its priorities rep-

Continued on page 4

The San Fernando Valley "Totally Awesome"

As you prepare to visit Los Angeles for the 2013 AAG Meeting, surely a side trip to the enchanting, scenic San Fernando Valley is on the itinerary. Oh, it's not, you say?

That figures. Since I was born and raised in Van Nuys, the geographical center of the San Fernando Valley, I have long been aware that my hometown does not get a whole lot of respect. Many Angelenos, especially the trendsetters and powerbrokers of the Westside, consider the Valley to be an intellectual and cultural void. Susan Sontag escaped the humdrum suburb of North Hollywood, as her first step toward becoming an

internationally renowned cultural critic. Robert Redford recalled his boyhood home of Van Nuys as "just this furnace that could destroy any creative thought that managed to creep into your mind." Thanks a lot, Sundance Kid! Even Dr. Seuss, beloved purveyor of bedtime stories, disparaged Van Nuys as the epitome of 1950s conformity in a little poem called "The Organization Man."

Indeed, the San Fernando Valley's reputation rose and fell in sync with the particular brand of postwar suburban development it symbolized. By the time I was coming of age there, this Levittown of the Golden State had become the subject of satire, as in the Frank Zappa song "Valley Girl," Sandra Tsing Loh's snarky memoir for the "downwardly mobile," *A Year in Van Nuys*, and such classic films as *Encino Man*. Its comic potential exhausted, the Valley simply receded into the nether regions of cultural consciousness, where it remains today. Perhaps the Valley deserves a fresh look?

Continued on page 8



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The San Fernando Valley has often been equated with white, mainstream conformity. The reality is much more diverse. Above, protestors march in Van Nuys demanding fair immigration policies. For more on "the Valley" see article at right.

Extended Deadline for Annual Meeting Abstracts – November 14, 2012

Submit yours today at www.aag.org/annualmeeting.

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Douglas Richardson, Publisher
and Managing Editor

Jim Ketchum, Editor

AAG Voice 202-234-1450

AAG Fax 202-234-2744

newsletter@aag.org

www.aag.org

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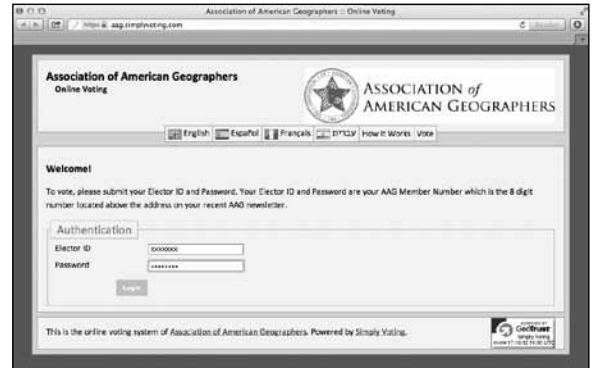
AAG Election Online Voting

The AAG is pleased to announce that it will implement a new web-based online voting system, to manage AAG elections. Voting online will be an easy process for AAG members, and votes cast online will be easily managed, confidential, secure, backed-up, and certified. The annual election for AAG Council takes place early each calendar year. Biographical information describing each candidate and their personal statements will appear online at www.aag.org and will also be published, as usual, in the hardcopy AAG Newsletter's January edition.

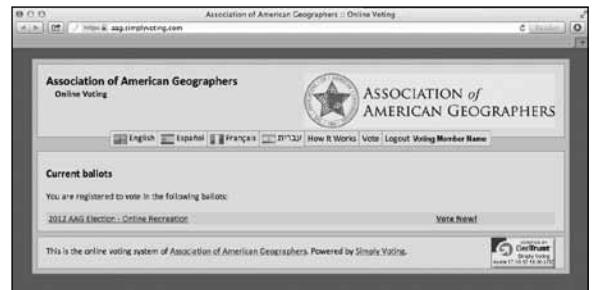
All eligible voters will receive an email with an ID voting password and a link to a voting page where they will authenticate their identity. Once authenticated, the voter will have access to a tamper-proof electronic ballot. Once the ballot is completed and submitted, the results will be encrypted and kept anonymous. The voter will then receive a receipt and will be prevented from voting in the same election a second time.

A ballot listing all candidates and their biographies will be published online prior to the voting period. This will allow members ample time to learn about each candidate. A sample ballot can be viewed at aag.simplyvoting.com.

Voting begins January 7, 2013, (online or by paper ballot) and will end on February 28, 2013. ■



Eligible voters will receive an email with an ID voting password and a link to aag.simplyvoting.com where they will authenticate their identity.



Once the voter logs in, select the "Vote Now" link next to the 2012 AAG Election line within the current ballots area of the page. This action will take the voter to the ballot list.



Once the ballot is completed and submitted, the results will be encrypted and kept anonymous. The voter will then receive a receipt and will be prevented from voting in the same election a second time.

PAPER BALLOTS STILL AVAILABLE

Members who prefer to opt-out of online voting can request a paper ballot. Voters who choose this option will not have access to the online voting system. **Requests for paper ballots must be received by AAG by December 10, 2012.** To request a paper ballot, please contact Adam Thocher, AAG membership director, at athocher@aag.org or call 202-234-1450 and ask for Adam at extension 123.

Geography's Cultures of Publication

In many ways, Geography mirrors the western academy as a whole, which is why we often seem like misfits within the disciplinary boxes used to organize this academy. How we publish is one of those ways. Our cultures of scholarly publication range from multi-authored highly abbreviated articles summarizing scientific results (particularly physical geographers), to conference proceedings (particularly in GIScience), longer sole- or joint-authored articles, and books of various kinds. Each approach makes perfect sense for the sub-culture involved, also as a way to communicate geographical scholarship effectively to cognate disciplinary clusters (physical science, computer science, social sciences and humanities). Yet what seems natural to some of us puzzles others. Further, geographers' choices of how to publish are shaped and incentivized by a multitude of forces over which we have limited control. This can pose problems for individual geographers, and the discipline.

Consider, for example, the National Research Council's (NRC) decision about what constitutes geographical scholarship, when it ranked U.S. graduate Geography programs in 2010. The only geographical publications that counted for the NRC were refereed journal articles for which Web of Science citation data are collected—and for which each author gained full credit on every co-authored article. Of course this favored departments with a multi-authored journal publishing culture, *ceteris paribus*, disadvantaging departments with a more cultural focus. (These controversial rankings were revised, but this decision was not.) Behind this was not only a blinkered view of the nature of Geography (as an earth and social science), but also the limitations of Web of Science as the selected publications database. Only recently has ISI Thomson extended their database to include books and conference proceedings, and their rules about what to include differ from others such as Scopus and Google Scholar.

The publishing industry has its own priorities, incentivizing publication

cultures in other ways. New journals have proliferated, as journals with modest circulation numbers are now profitable. Publishers also offer inducements to edit survey books, encyclopedias, companions, handbooks, etc., also currently deemed profitable. Geography thus has put significant effort into boutique journals (great for energizing a newly emergent scholarly community, albeit at the risk of balkanizing larger-scale communications networks), and state-of-the-art edited collections (helpful for students, but sapping scholarly energy from original research and often duplicating one another). Yet scholarly monographs, particularly by less well-known and marketable geographers, are increasingly difficult to publish. University presses, under market-oriented pressure to become financially self-sufficient, increasingly find themselves thinking and acting like the for-profit industry.

Such pressures concatenate through departmental and disciplinary cultures, as we try and game the ranking systems we increasingly are subjected to and evaluated by. I hear from faculty about chairs suggesting they desist from publishing books, and from authors with papers under review in a journal where the editor asks them to add more citations to that journal (boosting its ISI-defined "impact factor").

The popularity of journal articles aligns with a contemporary merit evaluation culture that incentivizes short-termism: "fast" scholarship (more frequent, shorter publications, in journals with high citation counts) rather than the "slow geography" of major monographs. The *Annals* has followed this trend. Its book review editor Kent Mathewson calculates that the number of books reviewed annually in the *Annals* has fallen from 60 to 25 since 2008, as the backlog of accepted articles lengthened.

Book publishing must remain central to maintaining the diversity of scholarly excellence that is Geography's hallmark. Indeed, those geographers who have had the greatest impact beyond the discipline frequently achieved this through their books. Within the contemporary academy, much is made of the fact that journals utilize double-blind reviews to ensure quality control. Yet the refereeing process is far from perfect, as some spectacular *faux pas* in the sciences remind us, and the different vetting process for books can be just as effective. Book editors, with their reputations at stake, can

be more exacting than an over-worked journal reviewer. Academic publishers, before investing in a scholarly monograph, solicit multiple anonymous reviews from top scholars prior to issuing a contract (ten in all, for my recent book prospectus).

The AAG is undertaking a new initiative to reinvigorate Geography's book publishing culture. Working with Taylor & Francis, in spring 2013 the Association plans to begin publishing the quarterly *AAG Review of Books* (ARB), an online journal free to members. Like *Contemporary Sociology* and *Reviews in Anthropology*, the ARB will be devoted to reviewing and debating books of interest to geographers and fellow-travellers. If geographers can induce the NRC to value the diversity of publishing essential to our discipline, bring more attention to geographical monographs from in and beyond the discipline, push the citation counting industry to broaden its remit, and reinvigorate respect for academic book publishing in all areas of Geography, these will be steps in the right direction.

Let me know what you think. ■

Eric Sheppard
esheppard@geog.ucla.edu



Sheppard

Mitchell Receives Anders Retzius Medal in Gold from Swedish Society

Don Mitchell, Maxwell Distinguished Professor of Geography at Syracuse University, recently received the prestigious Anders Retzius Medal in Gold, awarded to a human geographer once every three years by the Swedish Society of Anthropology and Geography (SSAG). The award was presented to Mitchell by His Majesty Carl XVI Gustaf, King of Sweden on Vega Day, which celebrates geography and exploration.

The SSAG recognized Mitchell as an "internationally distinguished human geographer, influential within historical landscape geography as well as urban, social and cultural geography. His research impressively unites fieldwork, critical analyses of historical sources and theoretical development. His publications on place and landscape build upon a strong geographical tradition which he has skillfully elevated to a critical, committed and vital voice in contemporary societal development.

Don Mitchell is thus a major inspiration for young geographers and a highly respected ambassador for the discipline within critical social science."

"I am absolutely thrilled to be receiving this medal," said Mitchell. "Not only have many of my intellectual heroes in both geography and anthropology been previous recipients, but also some of the most exciting intellectual work in my field is coming out of Sweden and Scandinavia these days, so to be recognized by my colleagues there is a singular honor."



Don Mitchell receives the Anders Retzius Medal in Gold from King Gustav of Sweden (left) as Anders Fridfeldt (right) and Dietrich Souyez (center) look on.

Dietrich Souyez of Germany received the Anders Wahlberg Medal in Gold, while Anders Fridfeldt of Sweden was awarded the Johan A. Wahlbergs Medal in Silver.

In conjunction with receiving the Anders Retzius Medal, Mitchell sponsored a symposium on the theme "Revolutionary Landscapes," featuring geographers Matt Hannah, Kenneth Olwig, and Bernd Belina. Following the Vega Day ceremonies, Mitchell remained in Scandinavia to present a series of lectures in Sweden, Denmark and Norway.

The Swedish Society of Anthropology and Geography (www.ssag.se) was formed in 1877. The SSAG took a particularly active part in the scientific description of the Arctic region, highlighted by the "Vega" voyage through the passage north of Siberia led by Adolf Erik Nordenskiöld in 1878-1879. In recent years, the Society has sought to popularize a range of important topics including environmental degradation, physical planning, political geography and questions of underdevelopment. Its publications include the journals *Geografiska Annaler* series A and B (physical and human geography, respectively, both in English), and *Årsboken Ymer* (in Swedish). ■

Presidential Achievement Award continued from page 1

resented among the first public statements of anti-racist geography.

Wilson's work is firmly situated within the Civil Rights Movement. Two major volumes, *America's Johannesburg: Industrialization and Racial Transformation in Birmingham* (2000) and *Race and Place in Birmingham: The Civil Rights and Neighborhood Movements* (2000) illustrate his profound contribution to understanding the geography of Birmingham, Alabama. As the titles convey, his work addresses both the large-scale processes of economic, political, social transformation, and the on-the-ground social movements that respond.

Wilson's contributions to anti-racist practice in advancing the discipline of

Geography have also been unflagging. As an educator, he has constantly striven both to develop anti-racist practices in the classroom in general, and to contribute to the educational context, including historically black institutions, in which minority students can thrive. In the mid-1980s, he was a member of the AAG's commission on Afro-American Geography, the first such group to address questions of racism and access within the institutional framework of the discipline. He has played a similar strong role within the Southeastern Division of the AAG. He has also had a constant presence at the local level where his commitment to anti-racist scholarship plays out in contributions to his own com-

munity by working as a board member for many local agencies devoted to community wellbeing, and in a large number of community-based research projects.

After completing his PhD at Clark University, Wilson was appointed to the Department of Geography at the University of Alabama, Birmingham from 1974 to 2002. He moved to Tuscaloosa in 2002.

The 2012 Presidential Achievement Award will be presented to Wilson by AAG Past President Audrey Kobayashi at the 2013 AAG Annual Meeting in Los Angeles, just prior to the Past President's Address. For details on the upcoming AAG Annual Meeting, to be held April 9-13, 2013, see www.aag.org/annualmeeting. ■

AAG Workshop Creates Educational Resources for U.S.-Japan Collaborations

The AAG recently led a workshop in collaboration with Japanese partners, "Internationalizing Geography Education: A Focus on Japan," at the University of Tokyo. The workshop sought to catalyze educational collaborations between schools and universities in the United States and Japan.

Held from September 13-17, 2012, in Tokyo, the workshop drew a delegation of 23 geography teachers and professors from the U.S. and Japan. Participants developed new educational resources for the AAG's Center for Global Geography Education (CGGE), which provides open access to six online modules offering regional case studies and collaborative projects for high school and university geography classes: global climate change, global economy, migration, national identity, population and natural resources, and water resources.

The case studies developed by the Tokyo workshop participants draw on geographical research by American and Japanese geographers to offer comparative analyses of issues related to the module themes. Each case study begins with a conceptual framework to provide theoretical information on the theme and is paired with a collaborative project. The aim of the collaborative project is to deploy social networking and interac-

tive technologies for connecting geography classes in the U.S. and Japan for discussions, spatial data analysis, and problem-based learning activities. The materials will be published in early 2013 on the CGGE website (<http://globalgeography.aag.org>).

The workshop began with a two-day field study of areas in the Tōhoku region that were impacted by the March 2011 earthquake

the Fukushima nuclear power plant. This field study was an invaluable excursion that allowed U.S. participants collect data for the CGGE modules, including photographs and primary information.

After returning from the Tōhoku region, workshop participants from both countries worked in small groups to brainstorm and to formulate the details of their case studies and

collaborative projects, using guidelines for writing inquiry-based activities and interactive hypermedia prepared by workshop facilitators Dr. Phil Klein (University of Northern Colorado), Dr. Osvaldo Muñoz (Texas State University – San Marcos), and Waverly Ray (PhD Candidate, Texas State University – San Marcos). Each group will continue collaborating over the coming months to finalize their materials for publication early in 2013. The materials will also be published in Japanese to extend

the dissemination of the resources throughout Japan.

Funding for the CGGE-Japan workshop was provided by a grant from the U.S.-Japan Foundation, with additional funding support from the AAG.

Questions about the Tokyo workshop and CGGE project may be directed to Dr. Michael Solem (msolem@aag.org). ■



Participants in the AAG's recent Tokyo workshop gather for a group photo.

and tsunami. Hosted by a team of Japanese geographers who are also educators, the excursion provided an opportunity for the U.S. participants to understand how people's lives and local landscapes were affected by the disasters. Visits to two local schools provided participants a unique opportunity to observe geography education taking place in areas affected by the earthquake and tsunami and the subsequent meltdown at

AAG Photo Competition

The Association of American Geographers has announced a new photo competition created to celebrate geography and geographers as we prepare for our next AAG Annual Meeting, to be held in Los Angeles, California, April 9-13, 2013.

Photographs may be submitted digitally in four categories: *Geography at Work*: geographers and non-geographers using

geography and geographic technologies in their communities; *Unique People and Landscapes*: interesting people and/or physical settings in your community or around the world; *What a Geographer Looks Like*: people of different cultures, ages, ethnic backgrounds and life experiences coming together in geography and the geosciences; *My Geography Story*: photo essays of between 5-7 photographs.

Three winners will receive cash prizes as well as recognition at the 2013 AAG Annual Meeting. For more information please see www.aag.org/photo competition or e-mail photos@aag.org. The deadline to submit photos is **December 1, 2012**.

More information on the 2013 AAG Annual Meeting is available at www.aag.org/annualmeeting.

NCGE Workshop Promotes Career Readiness for Geography Students

Despite rapidly evolving and expanding employment opportunities, many students are unfamiliar with the numerous career paths for which a degree in geography can prepare them. To support educators in advising their students about the array of employment options available to geographers, the AAG's EDGE (Enhancing Departments and Graduate Education in Geography) project recently sponsored a workshop entitled "Preparing Geography Students for the 21st-Century Workforce" at the 2012 National Conference on Geographic Education in San Marcos, Texas.

The workshop facilitators – Joy Adams (AAG), Niem Tu Huynh (AAG), and Joseph Kerski (Esri) – introduced three classroom activities designed to raise students' awareness of employment prospects and to help them recognize and articulate the value of their geography training to potential employers. The participants then engaged in small-group discussions to brainstorm ideas about how each exercise could be adapted to

the specific needs of students at their grade level and institution type. Eighteen geographers participated, including middle school, high school, and university faculty; one homeschooling parent; and professional geographers working in the private sector. Their feedback has been used to revise and enhance the sample classroom activities, which will be made available for download from the Jobs & Careers area of the AAG website (www.aag.org/careers). "It was refreshing to know that

the comments and thoughts expressed by workshop participants would actually be useful and assimilated into ongoing geography projects and tools," observed one attendee.

Workshop materials included the recently published book *Practicing Geography: Careers for Enhancing Society and the Environment* (Pearson 2013), to which the facilitators contributed a chapter on "Geography Education and Career Readiness" (with co-author G. Brent Hall of Esri Canada). Additional information about the book, along with how to order, is available from Pearson Education (www.pearsonhighered.com).

Based on the enthusiastic response to the workshop and the positive feedback received from participants, the EDGE project will offer another "Preparing Geography Students for the 21st-Century Workforce" workshop at the 2013 Annual Meeting of the AAG in Los Angeles. Further information will be posted at www.aag.org/annualmeeting/workshops as details are confirmed. ■



Joseph Kerski (Esri), Joy Adams (AAG) and Niem Tu Huynh (AAG) introduced three classroom activities designed to raise students' awareness of employment prospects and articulate the value of geography at the 2012 NCGE conference.

AAG To Reissue Key GIScience Reference Book

With support from Esri and the University Consortium for Geographic Information Science (UCGIS), the Association of American Geographers (AAG) has reprinted 2,000 copies of the popular reference book, *Geographic Information Science and Technology Body of Knowledge* (BoK).

"The BoK is a very important reference book about the geospatial field and is immensely useful to educators," says Michael Goodchild, professor emeritus of geography at the University of California, Santa Barbara. "I'm excited that the AAG, Esri, and UCGIS have come together to make it widely available and easily accessible."

AAG will distribute these new copies at no charge to attendees at its national events in 2013. Esri is also providing a free downloadable version of the book at esri.com/gist-bok.

Originally published in 2006, the BoK is the first comprehensive attempt to inventory the knowledge and abilities that comprise the field of geospatial technology. Building on the efforts of Duane Marble, Professor Emeritus of Geography at The Ohio State University, and colleagues to develop a model curriculum for geographic information science and technology education, the UCGIS Education Committee (with support from Esri and

AAG) organized contributions from more than 70 GIS scholars and practitioners to produce the book.

"Esri is pleased to support the reprinting and open access distribution of the BoK," says David DiBiase, Esri director of education and lead editor. "We look forward to broad community participation in the development of a second edition."

UCGIS researchers are currently working on National Science Foundation-funded research to develop an interactive version of the second edition of the book. ■

Washington Monitor

New York Retains High School Geography Exam

In the June edition of this column, I reported that the AAG had urged the New York State Education Department (NYSED) Board of Regents to reject a recommendation that would make the state's global history and geography exam optional. I'm happy to share with you that our efforts have had a positive effect.

Under the Department's proposal, high school students in the state of New York would have been able to substitute an additional math, science, or vocational exam for the global history and geography exam as part of the requirements for graduating with a Regent's Diploma – the highest-level graduation certification in New York, which is required for entrance into many colleges and universities.

Based on input from the AAG and others, the Board of Regents decided not to take steps to make the exam optional. The exam, however, has the lowest-passing rate of any of those required for graduation, and the Board is still debating what it could do to improve student performance.

One idea being considered would "require two units of study in Global History and Geography. The first unit of study would provide students with foundational skills in Economics, Geography, World History, and Civics. This first unit of study would culminate in an end-of-course exam (a Regents exam, pending availability of funding). The second unit of study would build on this foundation to enable students to become critical thinkers and access the content by examining cross cultural themes and patterns during the modern time period. This second unit of study would culminate in a Regents exam that is required for graduation, beginning as early as 2013-14, and that provides the appropriate rigor for college and career readiness."

We have remained in touch with NYSED staff and continue to provide information on the value and importance of K-12 geography for students expected to thrive in an increasingly interconnected world. We will monitor future developments and report on them in this column.

UCAR and Others Call for U.S. Weather Commission

On September 27, an expert panel convened by the University Corporation for Atmospheric Research (UCAR) gathered on Capitol Hill to urge policymakers to create a U.S. Weather Commission.

Thomas Bogdan, UCAR's president, noted that Congress has never empanelled such a commission despite the vast impact of weather on the economy and on all Americans' lives. He also explained that, "Emerging technologies are providing an opportunity to create forecasts that are more accurate and detailed than ever, and to communicate them instantly to key communities and businesses. We need a U.S. Weather Commission to ensure that our entire weather research and technology enterprise provides maximum benefit to the nation."

The panel also included Pamela Emch, Senior Staff Engineer/Scientist with Northrop Grumman and Past Chair of the American Meteorological Society Board on Enterprise Economic Development; John Armstrong, Chair of the Committee on the Assessment of the National Weather Service Modernization Program; and William Gail, Co-founder and Chief Technology Officer of the Global Weather Corporation. They echoed Bogdan's comments about the use of increasingly-accurate weather data as a catalyst for economic growth and also pointed to the importance of protecting American lives and property from adverse weather events.

Bogdan asserted that UCAR would urge the 113th Congress, which will be seated in January based on election results, to enact legislation creating a Weather Commission. He suggested that it could be modeled on the U.S. Commission on Ocean Policy, which existed from 2001-04 under the Oceans Act of 2000 and was chaired by James Watkins, a former Chief of Naval Operations and U.S. Secretary of Energy. The Ocean Commission's mandate was "to establish findings and develop recommendations for a new and comprehensive national ocean policy" and it heard and received testimony from hundreds of leading scientists,

organizations, and government officials. It sent a final report to President Bush and to Congress in late 2004.

Union of Concerned Scientists Endorses AAG Resolution

The "AAG Resolution Supporting K-12 Geography Education" remains popular with a wide range of individuals and groups and recently added two more key endorsements.

The Union of Concerned Scientists (UCS) was founded in 1969 by faculty and students of the Massachusetts Institute of Technology to "initiate a critical and continuing examination of governmental policy in areas where science and technology are of actual or potential significance" and "devise means for turning research applications away from the present emphasis on military technology toward the solution of pressing environmental and social problems." The organization has been closely identified with the fight against global warming in its recent history.

Caterpillar Inc. is the world's largest manufacturer of construction and mining equipment, diesel and natural gas engines, and industrial gas turbines and is a mainstay in the Fortune 100. Their interest in geography education stems from the company's increasing use of GPS systems in their products, including for land-grading accuracy. Caterpillar was created through a merger in 1925 and is based in Peoria, Illinois.

The resolution explains the value and importance of geography education and urges policymakers to include funding for geography education as part of a reauthorized Elementary and Secondary Education Act; to include geography and geospatial education in Science, Technology, Engineering, and Mathematics (STEM) proposals; and to enhance geography teacher training. The full text of the document and the full list of endorsers can be accessed at www.aag.org/AAGEducationResolution. We appreciate the support of the Union of Concerned Scientists and of Caterpillar. ■

John Wertman
jwertman@aag.org

San Fernando Valley continued from page 1

You are Now Leaving L.A. Welcome to L.A.!

Let's begin with the basic geopolitical factoid that most of the Valley, with the major exceptions of San Fernando, Burbank, and Glendale, belongs to the city of Los Angeles. Yet, if Valley "communities" like Van Nuys, Northridge, and Pacoima all seceded from L.A.—as nearly occurred in 2002—the new city would be California's second largest, with approximately 1.8 million people. Take that, San Francisco!

The Valley became part of Los Angeles in the first place thanks to water politics and some shady real estate deals (yes, much like the movie *Chinatown*). The city fathers of Los Angeles, hungry for expansion, placed the mouth of the monumental Owens Aqueduct at the northern end of the Valley, finagled the purchase of local groundwater rights, and then made Valley towns an offer they couldn't refuse: join Los Angeles, or go thirsty. In the decades that followed, the Valley blossomed as an irrigated landscape of citrus and olive orchards, truck farms, and horse ranches. Vestiges of the Valley's agrarian past can be found in well-known historic sites, such as Shadow Ranch in Canoga Park. But the abundance of citrus and avocado trees in backyards suggests that horticulture, at least, is far from dead. Rather, it is a sweet and fragrant presence in Valley life today.

As a part of L.A., Valley communities have no independent political status, yet these place names organize the Valley's social geography and color the reputation of neighborhoods. As Mike Davis pointed out in his influential book *City of Quartz*, paranoia over falling home values often

leads to neighborhood rebranding. In the 1980s, the topographically and economically lofty part of Canoga Park managed to break off and form West Hills, a cosmetic change that led to an immediate spike in home values. Similarly, my family home is now in the breakaway republic of Lake Balboa. What was wrong with Van Nuys?

Surreptitious Public Spaces

Great cities are perhaps distinguished by their appealing public spaces; however,

Yet there are big exceptions, gems hidden in plain sight. The flood basins and stormwater channels, concrete evidence of the Valley's highly engineered hydrology, have become intriguing and even subversive public spaces. In some spots, the sterile cement channels become an artist's canvas, most notably the "Great Wall," a half-mile-long mural along the Tujunga Wash in North Hollywood. Begun by Judith Baca in 1976, and completed by teams of artists and historians over the next eight years,

"the mural tells the history of California from the perspectives of those excluded from dominant narratives," as Pulido, Barraclough, and Cheng write in their illuminating and lavishly illustrated new book, *A People's Guide to Los Angeles* (UC Press, 2012). The Great Wall evokes the vibrant traditions of Mexican and New Deal-era muralism, and has helped to inspire a new generation of transgressive art in Southern California's public spaces.

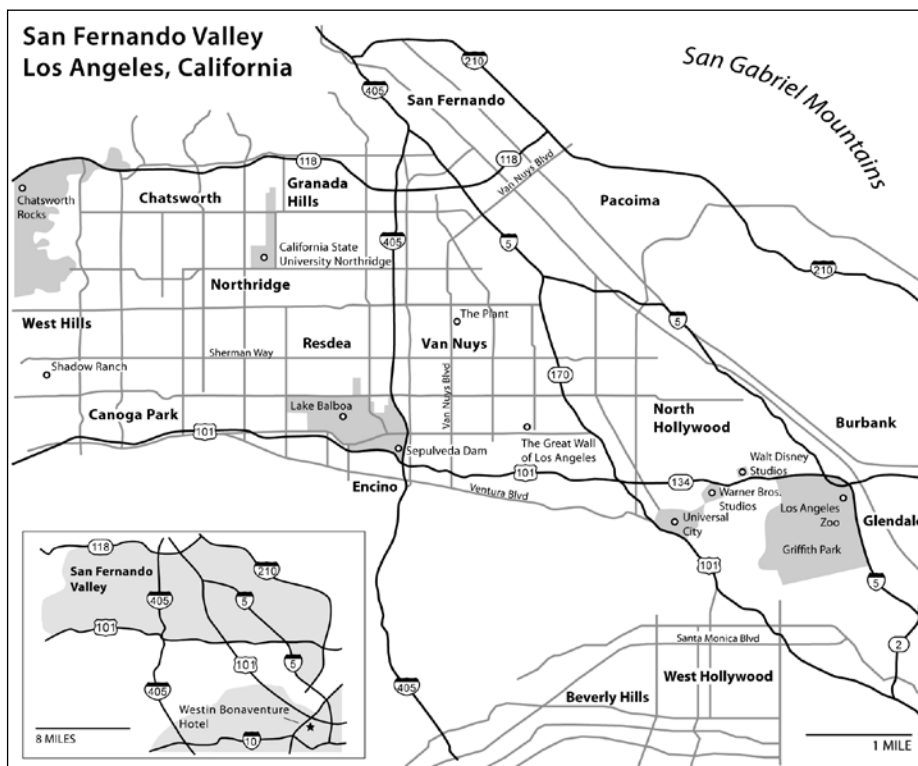
Just a few miles away, the Sepulveda Dam Basin, an artificial landscape sculpted by the US Army Corps of Engineers, is now the site of a revival of urban

nature. Here, a "soft-bottom" stretch of the Los Angeles River, which rises in the Valley, has been restored to natural habitat, fed by treated wastewater that first settles in nearby Lake Balboa (which is actually in Encino). Waterbirds such as pelicans, terns, loons, and grebes flock to this surprising oasis in the heart of the landlocked valley.

Economic Shifts in a Dynamic Ethnoburb

Unfortunately, the first thing some people think of when they hear "San Fernando

Continued on page 9



Map of the San Fernando Valley created for the AAG Newsletter by Leanne Fay Abraham, Syracuse University.

the San Fernando Valley was long been defined by the comforts of private enclosures. As a classic postwar suburb, the Valley embodied a white, middle-class dream of retreat into single-family ranch homes, equipped with kidney-shaped swimming pools and tiny lawns, ten lots to an acre, against a distant backdrop of chaparral-covered hills. Gathering spaces in the Valley, such as shopping malls, have long had a commercial character. So, its appeal is hard to explain to tourists, who by definition are drawn to accessible public spaces, such as L.A.'s famous beaches.

San Fernando Valley continued from page 8

Valley" is "porn." It's true that the Valley is the throbbing core of the nation's "adult film" industry. Arguably the greatest mainstream movie about the San Fernando Valley, *Boogie Nights* (1997), tells the story of the local porn industry in the 1970s. But the Valley has long played an important if ancillary role in mainstream Hollywood, whether as a backdrop for Westerns (Chatsworth Rocks), location for movie and TV soundstages (Burbank, Universal City, Studio City), or home to the stars (Toluca Lake, Encino). Economically and socially, the Valley south of Ventura Boulevard is more oriented towards nearby Hollywood than to the working-class flatlands.

While often considered a model "bedroom community," the Valley has an important but overlooked industrial legacy. GM's Van Nuys Assembly Plant, which for decades churned out Chevy Camaros and other muscle cars, is now a shopping center called "The Plant." Similarly, the old Lockheed airplane factory in Burbank is now host to big-box stores like Best Buy and Lowe's. In fact, starting in World War II and throughout the Cold War, aerospace was the Valley's key manufacturing sector. At a

secluded location near the Santa Susana Pass, Boeing and Rocketdyne lit up the night sky testing rockets for the Apollo moon missions in the 1960s. This was also the site of the nation's first commercial nuclear reactor (powering just over a thousand homes), and the first reactor meltdown—just a partial one!—in 1959. Thus, the Valley was a microcosm of California's postwar growth, fueled by defense spending, the bellicose shadow of suburban peace and prosperity.

Today, the indefatigable engine of the Valley's economic growth is small retail and service businesses, a sector that is increasingly dominated by immigrants. Ubiquitous mini-malls, so often maligned by urban planners, are the nodes of a dynamic churning of capital, goods, and labor from all over the world. Despite appearances, it's not all nail salons and donut shops, although these simple businesses do provide a template for social mobility. What was once an archetype for suburban "white flight," as Laura Barraclough explains in *Making the San Fernando Valley*, is today a truly multicultural and polyglot community. According to the

San Fernando Valley Economic Research Center at Cal State Northridge, an astonishing 60 percent of Valley residents speak a language other than English at home, and 40 percent of people in the Valley were born in another country, a slightly higher proportion than in Los Angeles—global city par excellence—as a whole.

To best capture the spirit of the Valley, for better or for worse, drive down Van Nuys Boulevard or Sherman Way, those seemingly interminable commercial strips. People from all over the world have found the promise of opportunity in this unpretentious landscape of stucco, cinder blocks, and palm trees. It's not always picturesque, but there is a kind of beauty in the striving and sheer human energy of a million small stories. ■

Eric D. Carter
Macalester College

Eric Carter is Assistant Professor of Geography and Holder of the Edens Professorship of Global Health at Macalester College. He is the author of Enemy in the Blood: Malaria, Environment, and Development in Argentina, published by University of Alabama Press (2012).

NSF Investments Develop a Workforce for Sustainability Research and Education

The National Science Foundation's SEES Fellows program announced 20 new awards that address research questions at the core of environmental and economic sustainability and human well-being.

The SEES Fellows program is part of an NSF portfolio called "Science, Engineering and Education for Sustainability," or SEES. The awards will enable promising early-career researchers to establish themselves in independent research careers related to sustainability.

From the practicality of solar energy, the efficacy of biofuels tax policy, techniques in food sustainability and genome sequencing, to ways to promote the health of shoreline ecosystems and mitigate the



health effects of understudied metals and their byproducts, this year's Fellows will embark on a diversity of research questions important for America's future.

The SEES Fellows program aims to facilitate investigations that cross traditional disciplinary boundaries and address

issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth and societal needs.

A SEES Fellow's proposed investigation must be interdisciplinary and allow him or her to obtain research experiences beyond the researcher's current core disciplinary expertise. Fellows must develop research partnerships that advance and broaden the impact or scope of the proposed research and present a plan for their own professional development in the area of sustainability science and engineering.

Information on the FY 2013 SEES Fellows competition can be found on the program website. The proposal deadline is **November 26, 2012.** ■

Profiles of Professional Geographers

One of the major book publications stemming from the AAG's current EDGE-Phase 2 is *Practicing Geography: Careers for Enhancing Society and the Environment*. Edited by Michael Solem, Kenneth Foote and Janice Monk, *Practicing Geography* features contributions from a diverse group of authors from the private and public sectors offering perspectives on career opportunities for geographers in business, government, and nonprofit organizations. The book also explores opportunities in education, working internationally, freelancing and consulting, and offers perspectives on issues of particular interest to students (e.g., getting the most out of internships) and current professionals (e.g., networking and balancing work and home life). Many chapters feature profiles highlighting the work of professional geographers, such as the profile of Jane Daniels below. *Practicing Geography* has recently been published by Pearson Prentice Hall.

Jane Daniels

Director of Preservation Programs,
Colorado Preservation, Inc.
Denver, Colorado

While growing up as a first-generation Czech American in an ethnic community near Milwaukee, Jane Daniels developed a keen interest in her own heritage as well as the cultural backgrounds and customs of others. However, she didn't consider heritage as a potential career path until she took a graduate course in historic preservation at The University of Wyoming while pursuing her master's degree in international studies and environmental conservation. "I instantly saw the overlap between heritage and my undergraduate training in geography and environmental studies," she says. "I saw it as an opportunity for doing something that was meaningful to me and that I had been trained in."

Jane's undergraduate education at The University of Wisconsin-Madison was excellent preparation for her position with Colorado Preservation, Inc., a private, nonprofit statewide historic preservation organization. "As geographers, we have a tendency to look at the world in a broad sense," she explains. Preparing a proposal explaining why a site should be preserved and developing plans for how it should be interpreted require her to analyze a wide array of data. Jane needs to consider the site's historical, cultural, political and economic contexts as well as material aspects of the surrounding landscape,

such as transportation networks, zoning restrictions, and local architecture. She also needs to carefully evaluate the costs, benefits, opportunities, and limitations of each potential project. In her opinion, professionals with an interdisciplinary background that combines the liberal arts and the natural sciences are particularly well-equipped for this sort of work.

Jane's position as Director of Preservation Programs encompasses a number of additional responsibilities, including developing funding strategies, financial reporting and budgeting, public relations, and hiring contractors. Cooperating with a broad, diverse group of stakeholders is a key skill, which requires well-developed abilities in oral communication, writing, and public speaking. Jane also got on-the-job training in several important areas that weren't included in her university curricula, specifically real estate, financial management, and architecture and construction. She strongly recommends that aspiring preservationists seek hands-on experience in the field. Before joining Colorado Preservation, Inc., in 2008, Jane was the Executive Director of the Main Street Program in Laramie, Wyoming, and she previously worked in the private sector as a consultant to rural communities and in the public sector for the City of Madison.

Jane's ideal job candidates also demonstrate consistency in their interests

and a commitment to pursuing them. On working in the nonprofit sector, she observes: "There's an opportunity to become more personally invested in whatever work you're doing. There's a chance that you'll fall in love with the buildings and projects you work with, so we tend to work very hard and become passionate." Volunteer work provides evidence of one's dedication to the cause as well as tangible experience in various aspects of historic preservation. "There are many opportunities to get involved without applying for a job outright," Jane reports.

The current housing slump has slowed real estate markets, but this situation has opened doors for historic preservation. With new construction down, there is increased demand for the preservation and restoration of existing structures. Furthermore, growing interest in sustainable development, economic revitalization, and livable communities all have positive implications for the field, which is growing and gaining recognition. As historic properties are increasingly acknowledged as "worth preserving," there is more room for people in the field who are specialists like Jane as well as for those who may not be experts just yet, but who can offer relevant knowledge and skills. ■



Daniels

NOTE: This profile was written in August 2011. In October 2012, Jane was promoted to Executive Director of Colorado Preservation, Inc.

Joy Adams
jadams@aag.org

Los Angeles Water – Myths, Miracles, Mayhem and William Mulholland

AAG Annual Meeting, April 9-13, 2013, Los Angeles

An oft repeated myth is that Los Angeles is located in the desert. Not true I'm afraid. Las Vegas is built in a desert, as are eastern California cities such as Lancaster or Barstow, but Los Angeles was and is no desert in the strict sense of the word. With an average annual precipitation of 15 inches the city receives almost four times as much rainfall as Las Vegas. Los Angeles is semi-arid in terms of climate, but early accounts suggest many areas were even more verdant than the annual precipitation would indicate. The early Spanish and subsequent Mexican and American accounts suggest that it was anything like a desert when the region was first encountered by Europeans. This is because there were appreciable areas of the Los Angeles basin where artesian waters, sourced from the surrounding hills and mountains, fed springs or kept groundwater levels high during the dry summer months. This produced green woodlands, shrublands and grasslands described in early European accounts. Those conditions helped the region support native peoples such as the Gabrielino/Tongva, Chumash and Fernandeano/Tataviam for many millennia prior to European arrival.

The potential for productive farms and pastures was an inducement for European settlement and until the mid 1950's Los Angeles was one of the highest producing agricultural counties in the nation. *El Pueblo de Nuestra Señora la Reina de los Ángeles* (modern Los Angeles) was founded by the Spanish inland on the banks of the *Rio Porciúncula* (modern Los Angeles River) because this site in the middle of the basin provided ample permanent water fed by surrounding hills and mountains. The natural and agricultural landscapes of Los Angeles are now largely paved over or otherwise erased.

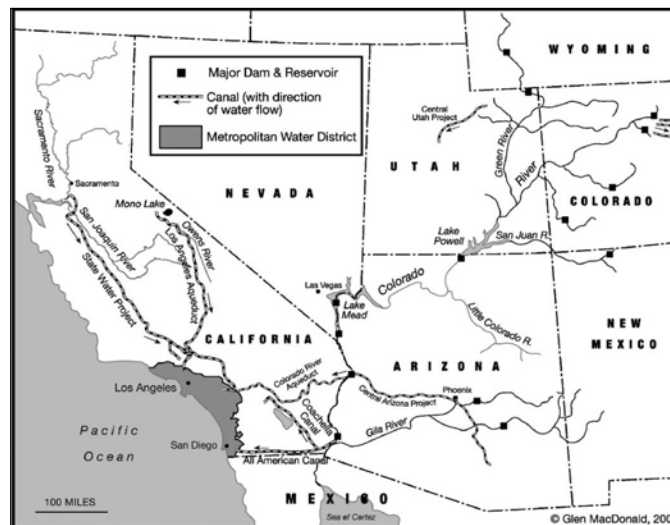
Driving through the lush precincts of Beverly Hills, Santa Monica, Las Feliz or the UCLA campus one might accept the alternative myth that the region is a lush tropical realm of fig trees, palms, citrus trees, birds of paradise plants and bougainvillea. That myth, and the dreamy green gardens and streetscapes of affluent Los Angeles that give it substance, have long been an important part of the allure that land developers used to sell Los Angeles. It is an artificial landscape – created through the use of millions upon millions of gallons of imported water applied year after year

that the quest to provide water to Los Angeles has wrought and then return to this final myth.

Despite being better watered than many people might suspect, drought was and is a frequent occurrence for Los Angeles. Each year there is a seasonal drought during the summer months when almost no precipitation falls – and lawn sprinklers must do double-duty to keep grass green despite high temperatures and evaporation. On top of this there are years and runs of years in which precipitation falls far below the long-term average. Annual rainfall in

extremely dry years can be less than one-third the annual average. Continuous to partially continuous dry periods in which precipitation averages two-thirds or less than annual average have extended up to eight years. It is sobering to consider that recent prehistoric droughts surpassed anything experienced in the 20th century. Moisture sensitive limber pines (*Pinus flexilis*) growing on the high mountains around Los Angeles live to over 1,000 years and analysis of the annual growth rings from these trees show that during the 12th century there was a 50 to 60 year period of continuous extremely low precipitation. A less prolonged drought during early historic times

contributed to one of the most important 19th century socio-economic transitions in the Los Angeles region. The drought in 1862–1864 caused the loss of 70% of Los Angeles County's cattle and this in turn led to the collapse of the remaining large ranchos and other vestiges of the Mexican social structure and the power of the Hispanic "Californianos". Ranchos were often sold to American businessmen and eventually provided the real estate for the housing booms that commenced with a vengeance



Major aqueducts and river systems supplying water to Southern California and Los Angeles today (Glen MacDonald, used by permission).

to support largely imported plant species. A final myth is that Los Angeles is now on the verge of drying up and blowing away because there will not be enough water to quench the thirst of the 19 million people who live in Southern California. Whether by a prolonged natural drought, or due to increasing evapotranspiration and decreasing precipitation caused by anthropogenic climate change, the city and region is seen to be perched on the brink of an arid cataclysm. Let's look at some of the engineering miracles and resulting mayhem

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in the 1880's and continued through the 20th century. The ready land accelerated Anglicization of Los Angeles as Americans from the Midwest and East moved to the region in droves. This history is commemorated in major street and neighborhood names found in Los Angeles today – such as the San Fernando Valley district, Pico Blvd, Van Nuys Blvd and Lankershim Blvd. In the 1860s, Isaac Van Nuys and James Lankershim bought the southern half of Rancho Ex-Mission San Fernando. Poignantly, they purchased the lands from the last Mexican Governor of California, Pio Pico.

An obvious engineering solution for California water challenges is to build physical infrastructure for water storage and transference. Such hydro-engineering dates back over 200 years. In the 18th century, the Spanish built substantial masonry dams such as the very early one for the Mission San Diego and aqueducts of up to 6 miles in length to store and transfer water. In 1781, one of the first substantial structures that Spanish governor, Felipe de Neve, ordered was a dam and *Zanja Madre* (mother ditch) to be built to supply and distribute water to *El Pueblo de Nuestra Señora la Reina de los Ángeles*.

By the late 19th century Los Angeles had a population of 100,000 and local water systems were no longer sufficient to meet growth needs. That is when a former *zanajero* (water ditch tender) and self-taught engineer named William Mulholland changed everything in terms of Los Angeles water strategy. Commencing in 1905, Mulholland constructed a miracle of engineering in the form of a 230 mile long aqueduct. Through an ingenious system of reservoirs, canals and massive siphon systems the Los Angeles Aqueduct brought water from the eastern Sierra Nevada to Los Angeles using only gravity. As construction was underway Van Nuys and Lankershim along with other prominent businessmen formed the Los Angeles Suburban Homes Company to further purchase and subdivide land in the previously arid San Fernando Valley. There was a clear eye on taking advantage

of the newly acquired water. Fortunes were made and the morphing of the agrarian valley into a sprawling suburban development commenced. On November 13, 1913, Mulholland's project allowed the first Sierra Nevada water to flow into the San Fernando Valley. Mulholland simply stated, "There it is, take it!"—which in a sense the land developers had already done through their prescient purchases.

For the remainder of the 20th century, massive transference of water and incredible engineering projects were the hallmark of Los Angeles' and California's solution to water resource challenges. Today the number one source of extra regional water to Southern California is the Colorado River. Based upon the 1922 apportionment agreement, California receives a



The Hoover Dam is a critical piece in an extensive reservoir system providing water to Los Angeles.

larger share than any other Colorado Basin state or Mexico (4.4 million acre feet per-year; an acre foot is equal to 325,851 gallons). Part of that infrastructure is the All American Canal running 85 miles from the Colorado on the eastern border of California to San Diego County on the coast. This is paralleled to the north by the Colorado Aqueduct. One of the great engineering feats of the 20th century, Hoover Dam and Lake Mead is a critical piece in a reservoir system on the Colorado. The Colorado reservoir system can store four years worth of average flow of the entire river (60 million acre feet). The California Aqueduct of the State Water Project brings northern water 714 miles from the Sacramento-San Joaquin Delta to Southern California. Thus, the

current water basin for Los Angeles is sub-continental in scale and extends across 8 states. When you take a drink from a tap in Los Angeles it can include water melted from winter snowflakes in Wyoming, spring runoff in the Sierra Nevada, summer thunderstorms in Colorado and fall rainstorms in the southern Cascades.

The massive extra-regional water transference systems that commenced with Mulholland have brought water to Los Angeles, but have also caused their share of mayhem for people and the environment. To tap the eastern Sierra water Mulholland secretly bought up land and water rights along the Owens Valley and this ultimately led to the collapse of farming, orchards and herding activities in much of that region. In 1927, Owens Valley residents dynamited portions of the Los Angeles Aqueduct in protest. Even today the relationship remains uneasy and the eastern Sierra town of Mammoth Lakes is involved in litigation with the Los Angeles Department of Power and Water over access to Sierra water that Mammoth depends upon and Los Angeles covets. As water was diverted to the Los Angeles Aqueduct, riparian habitats of the Owens River largely vanished. Owens Lake dried up producing clouds of dust laden with

arsenic, cadmium and nickel. Near the head of the aqueduct system, levels of Mono Lake fell precipitously to the point of threatening to allow predators access to important island habitat used by breeding populations of birds. Decades of litigation have led to curtailed water transference in the Los Angeles Aqueduct and the Department of Water and Power has now spent millions on habitat restoration and attempts to stabilize the sediments of Owens Lake. Similarly, reservoirs and water withdrawals from the Colorado have impacted native fish populations, eradicated flood adapted riparian ecosystems and led to the almost complete destruction of the natural habitat of the Colorado River Delta, which because it lies in Mexico is

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not subject to U.S. environmental protections. At this time almost no Colorado River water reaches the delta directly. If the U.S.-Mexico border were but a few miles south it is inconceivable that water allocations and reservoir management would not be significantly restricted compared to what they are today in order to protect the wetlands and endangered species of the Colorado Delta.

Ironically, the greatest human tragedy wrought by Los Angeles' thirst for extra-regional water was also the direct cause of William Mulholland's downfall. In the spring of 1928 the Saint Francis Dam, built by Mulholland in the San Francisco Canyon about 50 km north of Los Angeles, began to suffer leaks. Mulholland inspected the dam and declared it fit. A short time later, just before midnight on March 12, 1928, the dam ruptured explosively and a torrent of water roared through portions of Los Angeles and Ventura counties – claiming some 450 lives. A somber Mulholland appeared at the subsequent inquest and stated "Don't blame anyone else, you just fasten it on me." He resigned, withdrew from public life and died seven years later.

So, back to our final myth, where do things stand in terms of Los Angeles and water sustainability in the 21st century? It is anticipated that population of California could grow to some 45 to 60 million people

over the next 40 years. At the same time, climate change appears to be producing a hotter and drier California and the Southwest. The first decade of this century has been typified by a 'perfect drought' in which for a prolonged period California, the adjacent Southwest and the headwaters of the Colorado River have been unusually arid. However, predictions of the imminent and arid doom of the city confront some complications. First of all, domestic water demand has a rather large pad in the form of the outdoor irrigation water used at present for gardens and parks. Those lush gardens and extensive lawns in Hancock Park and Brentwood come at a great price in terms of water. On average between 50% and 70% of all domestic consumptive water use in the Los Angeles region is for outdoor landscaping. The simple steps of using increased xerophytic landscaping that relies on low-water demanding and drought resistant plants coupled with open areas and includes the use of native plant species can provide a massive potential cushion. In addition, water conservation is having an impact. Per-capita water use in the service area of the Metropolitan Water District of Southern California, which serves 26 local governments and water agencies and some 19 million people, has seen steady per-capita declines and is some 10% below the 1980's averages. Over the last two decades increasing conservation has essentially mitigated the impact of increases in population in terms of consumptive water demand. Technologies for local water provision, including recycling, desalination and storm water capture are increasingly important components of water agency portfolios. In discussions on the water future of Los Angeles and California, it is important to keep in mind that the cities of California only account for about 15% to 20% of the consumptive water use in the state. The vast majority of the water used in California is for agriculture. These crops feed not just the state, but much of the nation, particularly in winter.

Water transference and sales agreements already exist between agricultural and urban agencies, and in the event of critical drought conditions it is unlikely that the taps of Los Angeles and urban Southern California would be unable to supply drinking and bathing water. That being said – the impacts of a massive withdrawal of water from the fields to the cities would have serious implications for rural sustainability, food prices and potentially food security. Like the huge geographic network of rivers, dams and aqueducts that supply Los Angeles with water today, the impacts of any severe water crisis in Los Angeles would extend far beyond the city. ■

Glen A. MacDonald
UCLA

macdonal@geog.ucla.edu

Glen MacDonald is a Distinguished Professor of Geography and of Ecology and Evolutionary Biology at UCLA and UC Presidential Chair and Director of the Institute of Environment and Sustainability. He conducts research and teaches on climate change, environmental change, water resources and the societal impacts of these issues and has published over 130 peer-reviewed articles and an award-winning book – Biogeography: Space, Time and Life (Wiley, 2001).

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Farmland and fields of the Los Angeles region in the 1920's and the incipient growth of Beverly Hills. Although hardly a desert, it was not as lush as imported water and plant species have made its residential areas today (UCLA Department of Geography Spence Collection, used by permission).

NCGE Recognizes AAG for Contributions to Geography Education

The National Council for Geographic Education (NCGE), now in its 97th year, continues to promote and celebrate geography teaching and learning. Each year, exemplary educators, mentors, geography education researchers, and advocates are recognized for work that enhances the status and quality of geography education.

This year, AAG staff received two awards at the NCGE Conference. *The President's Award*, selected by NCGE President, Eric Fournier, was given to Douglas Richardson (Executive Director), Michael Solem (Director of Educational Affairs), and Susan Heffron (Senior Project Manager for Geography Education). Heffron was present to receive the honor at the Awards Ceremony on Saturday, October 6, 2012. This award recognizes the range and types of educational initiatives developed by AAG staff and in joint collaboration with partnering organizations.

Joseph Stoltman, who accepted the award for Doug Richardson, also spoke on his behalf. "With so many deserving recipients for honors in the NCGE's constellation of leading lights, it is particularly humbling to receive a Presidential Award from you for the work that AAG has done over the years in this area. I would like to thank Michael Solem and Susan Gallagher-Heffron for the great privilege of working with them for nearly a decade now, and for all that they and many other AAG staff have achieved while working

together with you the NCGE. When it comes to moving geography education forward, it is clear we are all in this together. I look forward to the honor of continuing working with each of you in the future on this most important task. Thank you very much."

At the Awards Ceremony, Fournier recognized the AAG for all its work on behalf of geography education. He said geography education initiatives led by the AAG have combined to make crucial contributions towards a more geographically literate society. Fournier also noted the AAG's leadership in crafting and promoting the AAG Resolution Supporting K-12 Geography Education (www.aag.org/AAGEducationResolution).

AAG's geography education initiatives range from careers resources to teaching modules (national and international) to professional ethics materials that span K-12 and teacher education, undergraduate/graduate, and departmental and professional development. Examples of ongoing and recently completed projects include:

- AAG Center for Global Geography Education (www.aag.org/cgge),
- Enhancing Departments & Graduate Education (EDGE) (www.aag.org/edge),
- Geographic Advantage: An AAG Companion Website for Understanding the Changing Planet (<http://meridian.aag.org/changingplanet>),
- Geography for Life: National Geography Standards, Second Edition (for purchase at NCGE store - www.ncge.org),
- Jobs and Careers (www.aag.org/careers),
- MyCOE Global Connections and Exchange Program (www.aag.org/gce), and
- Road Map Project (www.natgeoed.org/roadmap).

The second award, in the category of *Journal of Geography Awards - Best Article for Geography Program Development* (tie), was pre-

sented to two authoring teams. Jaehyung Yu (Chungnam National University), Niem Tu Huynh (Association of American Geographers), and Thomas Lee McGehee (Texas A&M University - Kingsville) received the award for their paper "Vertical Integration of Geographic Information Sciences: A Recruitment Model for GIS Education" (Yu, Huynh, & McGehee, *The Journal of Geography*, 2011).



Joseph Stoltman (right) presents the President's Award to Susan Heffron Gallagher, AAG's Senior Project Manager for Geography Education, and other AAG staff.

The paper details an innovative model for recruiting undergraduate students to a GIS education program. A couple of key findings include 1) curriculum development was a useful approach to recruitment, student credit hour generation, and retention-rate improvement; 2) recruitment presentations increased GIS awareness at high school and university levels; 3) intensive teacher training combined with GIS class development was effective to enhance GIS education at high schools and community colleges.

NCGE Journal Awards are chosen by the organizing committee with consideration of nominations from the membership. Nominations for articles published in 2012 will open in January of 2013.

For a complete list of AAG educational resources, visit www.aag.org/education. ■



Niem Tu Huynh, Senior Researcher at AAG (left) and Jaehyung Yu of Chungnam National University (right) show the Journal of Geography Awards presented by Thomas Lee McGehee (center).

Rebecca Pendergast Joins AAG Staff

The AAG is pleased to announce that Rebecca Pendergast has joined the AAG staff as Director of Design and Digital Products at the association's headquarters in Washington, D.C. Becky comes to the AAG from *The Chronicle of Higher Education*, where she worked for the past eight years as director of the art department. In that capacity, she was responsible for organizing the day-to-day planning, design and production of the visual presentation of the news in print and on the Web. She also managed a major redesign of the newspaper, contributed to a complete website reorganization, and was integral to the launch of the company's first iPad version of *The Chronicle*. Her background in web, digital, print and

graphics design and development will support many current AAG projects and programs. Becky will also have oversight of the ongoing transition from print to digital of many AAG publications, including the *AAG Newsletter* and the *Guide*.

Rebecca holds a bachelor's degree in Communication from Slippery Rock University of Pennsylvania, and attended Suffolk University in Boston while working towards a master's in public relations and advertising. She has served as a design editor at several publishing companies, helping to shape the visual and user experience of

websites, newspapers and magazines. She executed several successful redesigns for daily and weekly newspapers, as well as a monthly magazine. Well-versed in design,

Becky has additional experience in public relations, special events, and marketing & communications in the higher education, investment and non-profit sectors.

When not working, Becky enjoys time off with her husband visiting their cottage in seacoast New Hampshire. ■



Pendergast

AAG Welcomes Fall Interns

The AAG has welcomed two new interns to its Meridian Place offices in Washington, D.C. for the fall term.

Martin Fox is a fifth-year senior in the James Madison College of Public Policy at Michigan State University, planning to graduate in December with bachelor's degrees in Comparative Cultures & Politics and in International Relations. He has studied citizenship, nationalism, urban policy, and cybersecurity among many other subjects at Michigan State. His geographical interests include critical geopolitics, historical geography, and borders. He hopes to remain at the AAG after graduation while preparing to pursue a Ph.D. in geography next fall. During his internship at the AAG, Martin has provided assistance with



Fox



Phillips

grant proposals, records digitization, and updating the AAG website and databases.

Daniel Phillips is a senior pursuing a B.A. in geography at the University of California, Santa Barbara. His interests include demography, the geography of politics, cognitive geography, history, and the study of religions. After graduating,

Daniel is interested in working with a non-profit or governmental organization on map-related projects to acquire professional experience before attending graduate school. Over the long-term, he hopes to follow a career path that will allow him to improve the political process through geographic research or as an educator.

As an intern at the AAG this fall, Daniel has been working on mapping projects in support of the ALIGNED initiative to enhance diversity in university geography departments, and has also been assisting with preparations for workshops at the 2013 AAG Annual Meeting in Los Angeles. ■

AAG Newsletter Op-Eds

The AAG invites brief opinion pieces highlighting the contributions of geographical analysis to the understanding of important public issues and events. Submissions are encouraged from across the full breadth of the discipline. These pieces reflect opinions of contributing AAG members and do not represent an official AAG position on any issue. Op-ed pieces must be consistent with the AAG ethics policy and will be published on a space available basis.

Send submissions of no more than 850 words to newsletter@aag.org.

Restructuring Space in the Earth Sciences

Last year, by suggestion of then-AAG President Audrey Kobayashi, the association's National Councillors held a series of discussions on concepts of respatialization and their importance in our various subfields of geography. Although differences in definition abound, *respatialization* is often used to describe the restructuring of spatial interactions that has occurred in association with advances in information technology and globalization and that de-emphasizes traditional national boundaries. The term largely has been associated with socioeconomic and political processes and has not seen much usage in the Earth sciences. Yet, these discussions were quite stimulating and elicited thoughts of changing structures and scales of spatial analysis that have taken place in the Earth sciences in general, and how they have influenced fundamental theories in river science in particular.

One aspect of spatial reorganization in terrestrial systems is a growing emphasis on watersheds as natural boundaries. Watersheds, as hydrogeomorphic entities defined by topographic divides, are independent of political boundaries and involve the integration of systems from an apolitical or intergovernmental perspective. Emphasis on watersheds as a means for integrating resources management has been encouraged by several leading institutions including the United Nations (Agenda 21, 1992) and the U.S. Environmental Protection Agency (watershed protection approach, 1993). In the atmospheric and hydrologic sciences, spatial restructuring away from national boundaries occurred relatively early. For example, global water resources assessments by LVovich in the mid-twentieth century were based on water budgets derived for major river basins, then transcribed into hydrologic belts at the global scale. Although calibration data for the budgets were much better in some nations than others, the process was distributed across watersheds regardless of political boundaries.

In a sense, the global analytical perspective made possible by modern geographi-

cal analyses is a form of spatial restructuring. Geography has been revitalized by what Dobson and Rosnay have referred to as the "*macroscope*," a set of geographic tools including GIS, GPS, and remote sensing that are revolutionizing many of the sciences just as the telescope and microscope had done much earlier. International Earth-monitoring programs can be seen as another aspect of respatialization; that is, a move away from national towards transnational programs. Early global-scale data were collected and aggregated by nations, so the availability and quality of data varied greatly across political boundaries. The advent of global monitoring programs such as the global climate, ocean, and terrestrial observing systems (GCOS, GOOS, and GTOS) improved the quality and distribution of monitoring by coordinating and standardizing observation networks. Spatial restructuring in the Earth sciences was furthered by the proliferation of remotely sensed and modeled data in gridded formats. Seamless gridded data de-emphasize political or natural boundaries and can be transferred between models. Gridded hydrosphere data models developed at fine resolutions are now key components of climate, ecologic, and water resources studies. For example, the *Watergap* model—developed by combining empirical observations and modeling—provides high-resolution global water-resources data at a relatively fine scale (0.5°x0.5°). The Oak Ridge National Laboratory *Landscan* data provide global population data at a very fine sub-minute gridded resolution (0.5" x 0.5").

In some cases, spatial restructuring and improved resolutions have resulted in critiques or revisions of theory. Historically, early theories of complex systems tend to be overly simple and are revised or abandoned as more sophisticated data, methods, technologies, and concepts arise. As spatial data and analytical methods have improved in quality and resolution, concepts of Earth systems have grown more refined and comprehensive. A steady transition from methods based on spatially averaged

(lumped) or coarsely aggregated spatial data to spatially distributed models employing increasingly high-resolution data has led to critiques of standard concepts in the Earth sciences as seen by an example from fluvial geomorphology.

Concepts of rivers held by geomorphologists have maintained for 60 years that change through space is essentially gradual. Downstream hydraulic geometry, a dominant spatial paradigm in fluvial geomorphology advanced by Leopold and Maddock in 1953, postulates that most hydraulic variables (width, depth, velocity, slope, etc.) change gradually and predictably in the downstream direction. Similarly, the river-continuum concept holds that biologic agents and processes change gradually and predictably downstream, in part as a function of increasing channel widths and penetration of sunlight through the vegetation canopy. These gradualistic concepts have been challenged in a 2012 paper by Carbonneau, Fonstad, and Marcus based on high resolution data that reveal great variations in river characteristics in the downstream direction.

Examples of the impacts of improved spatial resolution and structures from hydrology and fluvial geomorphology are intriguing in their own right, but take on broader relevance as they exemplify similar developments in many other disciplines. Restructuring spatial data reveals salient details that were previously neglected. New combinations of spatially distributed phenomena are being used to examine interactions within and between physical and human systems, often independently of political boundaries. The growing availability and quality of seamless data is generating critical re-evaluation, refinement, or abandonment of theories that were based on spatial information with far less detail. While the critique of prevailing spatial theories may be unsettling, what could be more inherently geographic? ■

L. Allan James
AAG National Councillor
ajames@mailbox.sc.edu

Racial Profiling Is Often Geographic Profiling

In June 2012, the Supreme Court ruled on Arizona Law SB 1070, the state's harsh immigration regulations, striking down the portions that would have allowed law enforcement to detain anyone found without proper immigration papers—the “round up” provision. The court left intact the parts that required police, if they suspect the person they have stopped to be in the U.S. without authorization, to determine the individual's immigration status. This is the politely termed “papers please” provision, but might as well be called the “out of place” or “racial profiling” provision. Racial profiling is often geographic profiling.

Immigrants are turning up all over the place these days. Judging by the proliferation of anti-immigrant local ordinances and state statutes in destinations beyond Arizona, their presence causes alarm. Sadly, such reactions are not new.

As early as the 18th century, Benjamin Franklin worried that enclaves of Germans in Pennsylvania signaled their separation from American life. A hundred years later, anti-immigrant campaigners were troubled by much the same thing when they railed against the threat of “foreign colonies” within U.S. cities. More recently, Harvard Political Scientist Samuel Huntington reiterated these anxieties by depicting the concentration of Latino immigrants in the Southwest as a threat to American culture.

Wade Page was also likely alarmed by the presence of Sikhs in U.S. society. This month, he entered one of their churches, in Oak Creek, Wisconsin, a suburb of Milwaukee, shooting randomly. He murdered six men and women, wounding four more. Page was a “frustrated neo-Nazi” according to the Southern Poverty Law Center. The Sikhs were racially profiled; we suspect that geography also played a role.

In Page's deranged mind, these Sikhs and their church simply did not belong. Brown, non-Christian people, some wearing turbans, living in what had been for generations a white suburb. Would these Sikhs have been safer in a non-

suburban location? Did Page see the suburban temple, in the words of one commentator, as a “frightening symbol of otherness”?

The fusion of racial and geographical profiling can produce hatred that leads to violence. We should be concerned that the law now provides Arizona, and other places (or states), with the legal backing to racially/geographically profile. State-sanctioned profiling in law enforcement sets the scene for profiling by others outside of law enforcement.

Franklin, Know-Nothings, and Huntington used geography to formulate their racist arguments. People who follow their lead and read immigrant affiliations, memberships, and identities off maps are equally wrong.

While we can't read memberships and affiliations from a map of the foreign born, can we do this for white native-born citizens? Would geographic profiling have helped catch Theodore Kaczynski and Timothy McVeigh? It's almost laughable to think along those lines because these men came from such different backgrounds, operated in different contexts, and lived in such different places. Native-born white “domestic terrorists” have different backgrounds, as do members of many groups.

If we are going to profile, let's use methods other than racial or geographic profiling. Consider the case of Umar Farouk Abdulmutallab—the would-be Christmas Day bomber—apprehended by passengers on a flight to Detroit from Nigeria. Abdulmutallab's father had reported him as a security risk. Abdulmutallab was listed on the Terrorist Identities Datamark Environment (TIDE) database—a roster of people with suspected terrorist ties. He paid cash for his one-way flight to the U.S. He had no checked bags. These are some of the clues that should have raised red flags; they have nothing to do with geographic profiling. Or with his race.

The same logic applies to white supremacists. Branding places is a tricky business. Idaho, for some, has a reputation as a redoubt for extreme right-wingers or

those who believe that the apocalypse is imminent and that a remote mountainous area offers the best hope for survival. But 36 percent of Idaho's voters in 2008 supported a mixed-race black Democrat for President.

And just how is the geographic profiling of place, Idaho or some other location, predictive of Buford Furrow firing 70 shots into the North Valley Jewish Community Center in Granada Hills in Los Angeles 10 years ago, wounding five people and later murdering a mail carrier? The Buford Furrows of this world often signal their intent not by living at a particular address but by exercising radical interpretations of both their first and second amendment rights by spewing hate speech and stockpiling large-clip semi-automatic weapons.

Behaviors, attitudes, and actions; these form the grist for the mill of profiling those who would do violence to others or take the law into their own hands. They have nothing to do with phenotype, accent, dress, or physiology—the main means by which racial categories are produced in the United States. They also have nothing to do with where you worship, your residential neighborhood, or where you work.

Where people live is important, though. Descriptions of these patterns provide foundational material for policy and scholarship that serve the public interest. The extent of membership in society, however, does not depend on location or geographical concentration. This observation applies to newcomers as well as our more established neighbors, no matter their race. ■

Richard Wright
AAG National Councillor
Editor, *Annals of the AAG*
Dartmouth College

Mark Ellis
Associate Editor, *Demography*
University of Washington

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2012

NOVEMBER

1. Harley Fellowship in the History of Cartography. www.maphistory.info/harley.html.

DECEMBER

1. AAG Anderson Medal. <http://agsg.binghamton.edu>.
1. Newberry Library long-term fellowships. www.newberry.org/fellowships.
2. David Woodward Memorial Fellowship in the History of Cartography. www.geography.wisc.edu.
31. AAG Anne U. White Fund. www.aag.org/grantsawards.
31. AAG Darrel Hess Community College Geography Scholarships. www.aag.org/grantsawards.
31. AAG Dissertation Research Grants. www.aag.org/grantsawards/dissertationresearch.html.
31. AAG Research Grants. www.aag.org/grantsawards.
31. J.B. Jackson Prize. www.aag.org/grantsawards.
31. AAG Meridian Book Award. www.aag.org/grantsawards.
31. AAG Globe Book Award. www.aag.org/grantsawards.
31. AAG Community College Travel Grants.
31. AAG E. Willard and Ruby S. Miller Award. www.aag.org/grantsawards.

31. AAG International Geographic Information Fund. Student Travel Grant, Student Paper Award, and Graduate Research Award. www.aag.org/grantsawards.
31. AAG Mel Marcus Fund. www.aag.org/grantsawards.
31. AAG Meredith F. Burrill Award. www.aag.org/grantsawards.
31. AAG Hoffman Award.
31. AAG Glenda Laws Award.

2013

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15. Society of Woman Geographers Pruitt National Dissertation Fellowships. www.iswg.org.
15. Newberry Library short-term fellowships. www.newberry.org/fellowships.

MAY

15. Society of Woman Geographers Pruitt National Minority Fellowships. www.iswg.org.

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Jim Knox

James C. Knox died suddenly of heart failure on October 6, 2012.

Longtime Professor of Geography and the Evjue-Bascom Professor-at-Large at the University of Wisconsin, Madison (UW-Madison), Jim Knox is widely regarded as having transformed the subdiscipline of physical geography. In the process, he became one of the most recognized, honored physical geographers of his generation. During 43 years as a faculty member at UW-Madison, Knox's research forever altered the field of fluvial geomorphology and opened new directions in scholarship that linked his field to broader environmental issues.

Knox grew up among the hills and valleys of southwest Wisconsin's "Driftless Area"—a landscape he turned into a laboratory that provided far-ranging insights into the responses of river systems to climate variability and human intervention on time scales ranging from the Quaternary to the historical. Employing methods ranging from stratigraphy to geochemical analysis to the extraction of information from early land surveys—an approach he pioneered—Knox helped advance process-based approaches in geomorphology, even as he demonstrated how studies of earth-surface processes could yield insights into climate change—past, present and future.

Knox's impact on physical geography and geography in general goes far beyond the extraordinary contributions of his scholarship. There was likely no physical geographer who had produced more students who have gone on to assume positions of influence in the discipline than Jim Knox—so much so that one often hears reference to the "Knox School." His pedagogic influence extends well beyond graduate education: he was widely known as an enthusiastic, demanding, and caring teacher who sparked the interests of countless undergraduates through the years, including many who went on to pursue graduate work in geography.



Knox

Knox had significant success in efforts to advance his discipline, university, and department. He served as AAG National Councillor and was an Associate Editor of its flagship journal, the *Annals of the AAG*. He played important leadership roles in the geomorphology subsections of two different disciplinary associations: the AAG and the Geological Society of America. In addition, he chaired the Department of Geography at his home institution and assumed many other responsibilities on the University of Wisconsin campus. Knox served as a councilor for the

American Quaternary Association and was a member of the American Association for the Advancement of Science. He also served on numerous panels and advisory boards of the National Science Foundation.

Knox was born in Platteville, Wisconsin on November 29, 1941. He earned a bachelor's degree from Wisconsin State University in 1963 and a PhD from the University of Iowa in 1970.

In 2011, the AAG conferred one of its highest honors—AAG *Lifetime Achievement Honors*—on Knox, recognizing his extraordinary achievements in research, service, and disciplinary leadership.

Neil Smith

Neil Smith died of liver and kidney failure at Mount Sinai Hospital in New York on September 29, 2012, at the age of 58. Smith was Distinguished Professor of Anthropology and Geography at the Graduate Center of the City University of New York (CUNY), where he founded and for a number of years directed the interdisciplinary Center for Place, Culture, and Politics.

Smith was born and raised in Leith, Edinburgh, Scotland. He attended the University of St. Andrews (with a year spent at the University of Pennsylvania, 1974-1975), taking a B.Sc.

degree in 1977, to be followed by a Ph.D. from Johns Hopkins in 1982, where his advisor was David Harvey. He taught in the geography department at Columbia University from 1982-90 before moving to Rutgers.

Smith was a revolutionary force in the academic discipline of geography and beyond. A polarizing figure, his sharp wit and direct style could be taken harshly by those whose work was the aim of his critiques, while others recognized him as a role model for politically committed scholars. He influenced a generation of critical geographers and was one of the early organizers of the International Critical Geography Group. Smith's work was widely read outside the discipline of geography, including in such fields as sociology, urban studies, anthropology and cultural studies and contributed to the "spatial turn" in the social sciences and humanities.

Entering a field often considered an intellectual backwater, Smith's insightful scholarship and cogent arguments would imbue geography with an intellectual – and political – importance it had rarely before possessed. Originally on track to become a glacial geomorphologist (based on his love of Scottish landscapes), Smith's interests gravitated toward the dynamics of urban change under the influence of St. Andrews lecturer Joe Doherty. Smith's widely accepted "rent-gap" thesis, first published in a landmark article in the *Journal of the American Planning Association* in 1979 (based on his undergraduate thesis



Smith

at St. Andrews), made clear that gentrification was a new strategy of capital accumulation actively restructuring urban space. Extended study of gentrification in New York City led to Smith's influential book, *The New Urban Frontier: Gentrification and the Revanchist City* (1982), in which he argued that the dynamics of gentrification

was rooted as much in culture ("revanchism" or class revenge, as the bourgeoisie sought to take back "their" city) as it was in economics. He linked the rise of zero-

Necrology continued from page 22

tolerance policing and the other "quality of life" initiatives of New York Mayor Rudolph Giuliani to social changes taking place around the globe, jumping scales from a "localized urban anomaly" to a globalized "urban strategy."

Smith's arguments about gentrification were part of a much larger project examining the production of both nature and geographical space within capitalism. In *Uneven Development: Nature, Capital and the Production of Space* (1984), Smith shows that nature is not simply transformed but actually produced, an insight foundational for the whole field of political ecology. He argued that to understand the workings of capitalism, we have to understand the way capitalism produces the very spaces that make its existence possible, a concept now central to much geographical work.

Together his theories of the production of nature, space, and scale can be said to add up to a new, remarkably cogent theory of uneven capitalist development.

Smith's later work examined powerful mid-twentieth century American geographer, university president, and advisor to presidents, Isaiah Bowman (a primary architect of Woodrow Wilson's positions that led to the Treaty of Versailles and the League of Nations), and led eventually to the publication of *American Empire: Roosevelt's Geographer and the Prelude to Globalization* (2003), for which he received the Los Angeles Times Book Award for Biography in 2004 and the AACG's Globe Book Award for Public Understanding of Geography, also in 2004. Drawing together his various insights and a lifetime of Marxist scholarship, his final book was *The Endgame of Globalization* (2005).

Smith was also very active in organizing or co-organizing conferences and symposia, especially those of CUNY. He was frequently invited to give lectures both in the U.S. and abroad. He recently served as Visiting Professor at the Museu d'Art Contemporani de Barcelona (MACBA), and in August 2012 he gave the keynote address, "For (Political) Climate Change" at the Geographing the Future Conference, hosted by the National University of Ireland, Galway. Smith was co-editor of the influential journal *Society and Space* and served on the editorial boards of *Social Text* and *Capitalism, Nature, Socialism*, among others.

Neil Smith received distinguished scholarship honors from the AAG in 2000. ■

AGU FALL MEETING

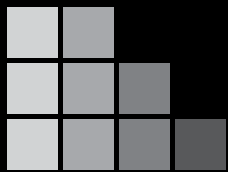
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Macalester College, St. Paul, Minn.

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When: June 2–8, 2013



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Jobs in Geography

United States

*ALABAMA, AUBURN

The Department of Geology and Geography at Auburn University invites applications for a tenure-track **Assistant Professor** position in the field of **Geomorphology/Surficial Processes** to begin Fall Semester 2013. Opportunities exist for collaboration with related on-campus programs including units in the College of Sciences and Mathematics, College of Agriculture, College of Engineering, and School of Forestry and Wildlife Sciences.

The successful candidate will be expected to teach at the undergraduate and graduate levels including a geomorphology/surficial processes course as well as general education classes such as Physical Geography, Physical Geology, and/or World Regional Geography and to establish a productive record of independent research, extramural funding, and publication. A PhD in

Geography or related field is required at the time of appointment. Desired qualifications include training in both geology and geography. The candidate selected for this position, which begins August 2013, must meet eligibility requirements to work in the United States on the date the appointment is scheduled to begin and to continue working legally for the term of employment; excellent communication skills are required.

Applicants should submit a letter of application (1-2 pages) describing professional experience, research and teaching interests; a curriculum vitae; copies of all transcripts; and the names and contact information of at least three references.

Apply: Applications should be mailed to Search Committee, Department of Geology and Geography, 210 Petrie Hall, Auburn University, AL 36849, USA or sent via e-mail to gsearch@auburn.edu.

Applicants are encouraged to visit the AU website to learn more about Auburn University and the Department of Geology and Geography (www.auburn.edu/academic/cosam/departments/geology). Review of applications will begin December 5, 2012, and will continue until the position is filled.

In support of our strategic plan, Auburn University will maintain its strong commitment to diversity with standards to help ensure faculty, staff, and student diversity through recruitment and retention efforts. Auburn University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

NOV 12-218

*ALABAMA, TUSCALOOSA

The University of Alabama, Department of Geography invites applications for a nine-month, tenure-track faculty position at the rank of **Assistant or Associate Professor** beginning August 16, 2013. Ph.D. in Geography or closely related discipline at time of appointment is required. Candidates must demonstrate research expertise in **climatology, watershed science, or hydrology**.

The ideal candidate will have a research agenda that complements one or more of the department's broader areas of focus, including human impacts on the environment, coupled human-environment systems, or environmental management/change. The ability to teach undergraduate and graduate physical geography courses in the area of specialization and supervise graduate student research is required. Applicants must provide evidence of a high quality, independent research capability and be committed to securing external funding. This position is part of our initiative to develop a Ph.D. program specializing in Physical Geography at the University of Alabama.

To apply, go to <http://facultyjobs.ua.edu> and complete the online application. For further information contact Lisa Davis, Search Committee Chair, Department of Geography, University of Alabama, Tuscaloosa, AL, 35487. Email: ldavis3@bama.ua.edu. Review of applications will begin December 10, 2012, and will continue until the position is filled.

"Jobs in Geography" lists positions available with US institutions who are Equal Opportunity Employers seeking applications from men and women from all racial, religious, and national origin groups, and occasional positions with foreign institutions.

Rates: Minimum charge of \$150. Listings will be charged at \$1.25 per word. Announcements run for two consecutive issues unless a stated deadline permits only one listing. The charge for running an announcement more than twice is one-third the original charge for each subsequent listing. We will bill institutions listing jobs after their announcements appear in JIG for the first time.

Deadline: JIG announcements must reach the AAG *before the first of the month* to appear in JIG for the following month (eg: January 1 for February issue). Readers will receive their Newsletter copies between the 5th and the 15th of the month. Schedule job closing dates with these delivery dates in mind.

Format: Announcements should be sent as an attachment or in the body of an e-mail to jig@aag.org. The announcements must be saved in Microsoft Word 5.0 or greater, or Corel WordPerfect 6 or greater. No job announcements accepted by phone or fax. Follow format and sequence of current JIG listings. All positions are full-time and permanent unless otherwise indicated. State explicitly if positions are not firm. Employers are responsible for the accuracy and completeness of their listings. JIG will not publish listings that are misleading or inconsistent with Association policy. Employers should notify the Editor to cancel a listing if the position is filled. The Editor reserves the right to edit announcements to conform with established format.

Display ads are also available. Ads will be charged according to size: 1/6 page (2 1/4" x 5") \$400; 1/3 page vertical (2 1/4" x 10") \$650; 1/3 page square (4 3/4" x 4 3/4") \$650; 1/2 page horizontal (7" x 5") \$750; 2/3 page horizontal (7" x 8") \$900; Full page (7" x 10") \$1,100. Display ads run for one month only. Please submit the text of your display ad as a separate document, if you would like to appear in the online version of the JIG.

Affirmative Action Notice: The AAG Affirmative Action Committee requires job listers to send to the JIG Editor the name, academic degree, sex, and rank of each person appointed as a result of an announcement in JIG.

Geographer Available. A service for AAG members only. Send personal listings of 50 words or less, following the format of current listings. Listings run for two consecutive issues. Enclose \$25 with listing. A blind listing service is available - the editor will assign a box number and forward inquiries to the member listed.

* Indicates a new listing

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undergraduate majors, and over 100 graduate and professional students. We offer four undergraduate degrees: BA and BS in Geography, BS in Regional Development, and BA in Environmental Studies, as well as undergraduate minors in Geography, Regional Development, Geographic Information Science, and Environmental Studies. We offer graduate degrees in Geography, both MA and PhD, and also two professional master's degrees, in Geographic Information Systems Technology and in Development Practice. Further information about SGD can be found at geography.arizona.edu.

Salary will be commensurate with qualifications and experience. As an equal opportunity and affirmative action employer, the University of Arizona recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives and backgrounds.

For a full position description and application information, please visit www.uacareer-track.com.

DEC 12-266-1

*ARKANSAS, CONWAY

The University of Central Arkansas, Department of Geography, invites applications for an **Assistant Professor**, tenure-track position in **Physical Geography and GIS**, beginning August 2013. It is expected that the person hired will have completed a doctoral program by the time of appointment. That person will be a broadly trained physical geographer with advanced geospatial technology skills. It is expected that the person hired will have the ability to teach lower and upper division courses in the Department of Geography (for example, Geography of World Regions and the Geography of Landforms); teach online, graduate-level GIS courses (for example, Spatial Analysis and Modeling and Fundamentals of Database Design and Development) in a Master's degree program; team-teach an Environmental Practicum course; and advise students in an Administration and Planning track in an Environmental Science program.

The Department of Geography is interested in an enthusiastic individual who connects with students in and outside of the classroom, is engaged in scholarly research leading to publications, and has the ability to promote the geography program across campus and in the community. Salary is competitive.

Founded in 1907, the University of Central Arkansas is an accredited state-supported insti-

The University of Alabama is an Equal Opportunity/Affirmative Action employer, and actively seeks diversity among its employees.

NOV 12-248

*ARIZONA, TUCSON

Director, School of Geography and Development, University of Arizona.

The College of Social and Behavioral Sciences, University of Arizona, invites applications for the position of Director of the School of Geography and Development (SGD). The position will begin August 2013 (negotiable).

The Director is expected to advance the School's mission by attracting, mentoring, and retaining the highest quality faculty, expanding and broadening the School's research activities and funding, maintaining innovative educational programs at both the undergraduate and graduate levels, and fostering public engagement and outreach. **Field of specialization for this position is open**, but preference will be given to candidates who have been broadly trained, who value the full range of theories and methods that geographers employ, who

have strong commitments to interdisciplinary engagement, and who complement the School's existing strengths.

The successful candidate will have a Ph.D. (or equivalent) in Geography or related field, with academic achievements commensurate with appointment as a full professor with tenure; a distinguished record of scholarship and academic achievement, including mentoring students; and demonstrated leadership and administrative skills and experience. As a faculty member, the successful candidate will be expected to maintain a strong and productive research program, direct graduate research, exhibit excellence in graduate and undergraduate teaching, and demonstrate commitments to service to the university and public engagement and outreach.

The University of Arizona is a top-ranked, research-intensive, land-grant university that embraces a distinctive interdisciplinary culture and tradition in which the School of Geography and Development is a valued collaborator. The School is a vibrant and diverse working and learning environment, with 25 regular faculty, 25-30 adjunct and affiliated faculty, 220

tution that awards the bachelor's, master's, specialist's and PhD degrees. The university has an enrollment of 11,000 students and a faculty of more than 400. Conway, a community of over 55,000, has three colleges and universities, and is located thirty miles northwest of Little Rock, the state capital. UCA is an Equal Opportunity/Affirmative Action employer. The Web site is www.uca.edu.

Applicants must send (via regular post or electronic mail) a cover letter providing information regarding teaching experience and suitability for the position, a detailed CV, and contact information for three references by November 30, 2012. Letters of reference and transcripts will be solicited for short-listed candidates.

Apply: Dr. Brooks Green, Chair, Department of Geography, University of Central Arkansas, 301 Irby Hall, 201 Donaghey Avenue, Conway, Arkansas, 72035. Voice: 501-450-5636. FAX: 501-852-2926. E-mail: brooksg@uca.edu.

OCT 12-100X

ARKANSAS, CONWAY

The Department of Geography at the University of Central Arkansas (www.uca.edu) invites applications for the position of **Department Chair**, effective July 1, 2013. This tenurable position will be at the rank of **Full Professor**.

Candidates must have a PhD in Geography but subfield and areas of interest are open. In addition, they must have a distinguished record of scholarship, teaching skills, and external grant support as well as demonstrated administrative ability and vision. Candidates at the level of **associate professor may be considered** if they demonstrate significant administrative ability and teaching skills. Preference will be given to candidates whose interests and experience are in line with the University's (<http://uca.edu/about/mission>) and the Department's mission (<http://uca.edu/geography/message>). Women and minorities are strongly encouraged to apply.

The eight full-time faculty offer curricula leading to a BA and BS in geography and minors in geography and geographic information science. Environmental Science students in a Planning and Administration track are also advised within the Department. In addition, the Department administers and facilitates three online, graduate programs; a 15-hour GIS Certificate, a 30-hour Master of GIS degree, and a 36-hour Master of Science in Community and Economic experienced growth in geospatial and environmental-related courses.

Founded in 1907, the University of Central Arkansas is an accredited, state-supported institution that awards the bachelor's, master's specialist's and PhD degrees. The university has an enrollment of 11,000 students and a faculty of more than 400. Conway, a community of over 55,000, has three colleges and universities, and is located thirty miles northwest of Little Rock, the state capital. UCA is an Equal Opportunity/Affirmative Action employer.

Applicants should submit a cover letter; curriculum vitae; a statement about research, teaching, administrative experience, and vision; and a list of three references with their contact information. Letters of reference and transcripts will be solicited for short-listed candidates.

The review of applications will begin after November 1, 2012, and will continue until the position is filled.

Apply: Candidates may send all material via regular post, FAX, or electronic mail to Dr. Maurice A. Lee, Dean, College of Liberal Arts, University of Central Arkansas, 120 Irby Hall, 201 Donaghey Avenue, Conway, Arkansas 72035. Voice: 501-450-3167. FAX: 501-450-5185. E-mail: MauriceL@uca.edu.

OCT 12-171

*ARKANSAS, FAYETTEVILLE

Tenure-Track Assistant Professor in Geosciences (Physical Geography- Climatology, Paleoclimatology, Dendrochronology), University of Arkansas.

The Department of Geosciences, University of Arkansas-Fayetteville invites applications for a 9-month appointment as a tenure-track assistant professor with an anticipated start date of August 2013. We seek an outstanding individual with expertise in Physical Geography specializing in climatology, paleoclimatology, or dendrochronology. This individual is expected to develop an independent, externally-funded research program, in addition to pursuing collaboration and synergism with ongoing research in the Department of Geosciences (<http://geosciences.uark.edu>). All Ph.D. requirements completed at the time of the appointment. Strong preference will be given to applicants with current strengths in dendrochronology, geoinformatics, watershed science, and/or environmental dynamics. Teaching duties will include introductory geosciences, conservation of natural resources, and upper division undergraduate or graduate courses in climatology and/or the candidate's field of interest.

Review of applications will begin November 26, 2012, and will continue until the position is filled. Applicants should submit their curriculum vitae, brief statements of research and teaching interests, and the names and contact information for at least three professional references to the search committee chair: Dr. Stephen Boss, Department of Geosciences, 346 Arkansas Avenue, Fayetteville, AR 72701, or preferably via email a compiled PDF to sboss@uark.edu.

The University of Arkansas is a nationally competitive student-centered research university with a RU/VH Carnegie Classification. It is the flagship campus of the University of Arkansas system. The Department of Geosciences is an interdisciplinary program composed of 22 faculty in Geography and Geology offering bachelor and master degrees in geography and geology, and it recently established a new Ph.D. program in Geosciences effective August 2012. The Department also participates in two interdisciplinary Ph.D. programs in Space and Planetary Sciences and Environmental Dynamics. The department is also closely affiliated with the Center for Advanced Spatial Technologies (CAST), Tree-Ring Laboratory, Arkansas Water Resources Center, and the University of Arkansas Stable Isotope Laboratory.

Fayetteville, nestled in the Ozark Mountains of northwest Arkansas, is a great place to work, play, and raise a family. The city has highly-ranked public and private K-12 schools. Fayetteville retains a small college-town atmosphere amidst a growing metropolitan area of more than 420,000 people. The area is home to the headquarters of major companies that include Wal-Mart, J.B. Hunt, and Tyson, Inc. Cultural attractions include the Walton Arts Center and the Crystal Bridges Museum of American Art. Popular outdoor activities include hiking, boating, canoeing, climbing, hunting, and fishing. The University was recently ranked a Top 25 college for outdoor enthusiasts by *Outside Magazine* in August 2012.

The University of Arkansas is an Affirmative Action/Equal Opportunity Employer. The University welcomes applications without regard to age, race, gender, national origin, disability, religion, marital or parental status, veteran status, genetic information or sexual orientation. Applicants must have proof of legal authority to work in the United States. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act.

NOV 12-246

***CALIFORNIA, ARCATA**

Humboldt State University's Department of Environmental Science and Management invites applications for an academic-year tenure-track faculty position in **Geospatial Science** starting August 2013 (Job#7541). Successful candidate will teach courses in GIS, geospatial modeling, and mobile mapping, and will develop an active research program involving students. Ph.D. in Geospatial Science, Natural Resources, Forestry, Geography, Environmental Science, or a closely related field is preferred at time of appointment. ABDs considered. Must have interest and ability to teach a range of geospatial courses, technical expertise using ArcGIS software, and record of or potential for research, scholarly and/or creative activity.

Position is open until filled. First review November 1, 2012. For more information and complete vacancy announcement, visit: <http://apptrkr.com/253774>.

HSU is an EO/TitleIX/ADA Employer.

NOV 12-223

CALIFORNIA, BERKELEY

Assistant Professor or Associate Professor with tenure, Human Geography and Geographic Information Science. The Department of Geography seeks a human geographer who, among other methods, uses GIS to study the patterns and processes of social, economic, or environmental features of modern life. The successful candidate's scholarship will recognize that GIS itself is an important component of social processes that are transforming landscapes. The successful candidate must have a PhD or equivalent in geography or a closely related discipline by date of hire.

Submit letter of application (including statements of research and teaching interest), curriculum vitae, up to three reprints, and the names of three references, their addresses, and their e-mail addresses, by December 1, 2012. All recommendation letters will be treated as confidential per University of California policy and California state law. Please refer your potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the UC Berkeley statement of confidentiality: <http://apo.chance.berkeley.edu/evaltr.html>. Please submit all materials electronically to the following URL: <https://aprecruit.berkeley.edu/apply/JPF00060>.

The University of California is an Equal Opportunity/Affirmative Action Employer. The University is committed to addressing the

family needs of faculty, including dual career couples and single parents. We are interested in candidates who will contribute to diversity and equal opportunity in higher education through their teaching, research, and service. For more information see <http://calcierge.berkeley.edu/>.

OCT 12-196

CALIFORNIA, BERKELEY

The University of California, Berkeley invites applications for the 2013-2014 **S.V. Ciriacy-Wantrup Postdoctoral Fellowships in Natural Resource Economics and Political Economy**.

The S.V. Ciriacy-Wantrup Postdoctoral Fellowships in Natural Resource Economics and Political Economy will be awarded for the 2013-14 academic year to support advanced research at the University of California, Berkeley.

For the purposes of this fellowship, natural resources are defined broadly to include environmental resources. The fellowship encourages, but is not limited to, policy-oriented research. Applications are open to scholars from any social science discipline and related professional fields such as law and planning, who will make significant contributions to research on natural resource economics broadly defined. Preference will be given to proposals whose orientation is broadly institutional and/or historical, and which are conceptually and theoretically innovative. Proposals with a primarily statistical or econometric purpose are not eligible for consideration.

Application deadline is December 10, 2012. For more information, please visit: <http://nature.berkeley.edu/site/ciriacy.php>.

OCT 12-208

***CALIFORNIA, DAVIS**

Assistant Professor in Remote Sensing and Ecosystem Change. University of California, Davis. The Department of Land, Air and Water Resources (LAWR) in the College of Agricultural and Environmental Sciences, University of California, Davis invites applications for a tenure track faculty position as Assistant Professor in Remote Sensing and Ecosystem Change.

We seek an outstanding scholar to conduct ecological and environmental research using remote sensing geospatial tools, with a core expertise in understanding spatial and temporal ecological patterns and processes to relate responses and change to the physical environment and land-use conditions. The successful candidate should demonstrate a record of

achievement with various remote sensing technologies as evidenced by peer reviewed publications. They should demonstrate an interest and ability to work with emerging remote sensing mapping technologies, like high spatial resolution, high fidelity imaging spectroscopy and LiDAR as well as developing quantitative methodologies that take advantage of the information from these new sensors, whether at ground, air or satellite scales.

Requirements include a Ph.D. in ecology, soil science, hydrology, atmospheric science, geography or closely related environmental fields and a commitment to excellence in the use of remotely sensed data to study ecological processes related to environmental change. We seek candidates whose research interests and leadership complement and strengthen existing LAWR research foci in regional climate, hydrologic and biogeochemical processes. The candidate is expected to collaborate with environmentally relevant programs on campus and demonstrate interest in working in interdisciplinary groups.

Research should include an applied component useful to the mission of a Land Grant University. The candidate is expected to maintain an active, externally-funded research program. We seek a commitment to excellence in teaching and the candidate will be required to teach an undergraduate upper-level ecosystem science core course, an upper-level undergraduate remote sensing course, and a graduate level advanced remote sensing methods course. Supervision of graduate students, student advising, curricular development, participation in outreach programs, and university service are expected.

This is a nine-month academic year tenure-track position. For additional information concerning the position and to submit application materials, please visit <http://recruit.ucdavis.edu>.

Applicants should submit a cover letter, curriculum vitae, names and contact information of three references, description of current and projected research, summary of teaching interests and experience, and up to three publications, all in PDF format. Applicants must arrange for graduate program transcripts to be sent directly to the Search Committee Chair. Contact Susan L. Ustin, Search Committee Chair, LAWR, slustin@ucdavis.edu for additional information. Open until filled, but all application materials must be received by November 30, 2012 to assure full consideration.

UC Davis is an affirmative action/equal employment opportunity employer and is dedi-

cated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.

NOV 12-247-1

*CALIFORNIA, DAVIS

Assistant Professor in Landscape Architecture, University of California, Davis.

The Department of Human Ecology seeks applicants for an open position in the Landscape Architecture + Environmental Design Program at the rank of Assistant Professor. For this position we are searching for candidates working at the intersection of three areas: (1) geographic information systems (GIS), (2) urban geography, and (3) community participation. We seek candidates whose work analyzes direct linkages between the use of GIS and other visualization methods with participatory planning and design, especially among underserved populations.

Candidates should have expertise in methods of GIS and public participation; professional experience working with underserved populations; ability to participate in design studio teaching; and a proven track record in cross-disciplinary research. Ability and willingness to teach and participate in the UC Davis Geography Graduate Group and to take a leadership role in the California Community and Regional Mapping Laboratory is desirable.

Our program is committed to an integrative, interdisciplinary approach to landscape architecture. A Ph.D. in Landscape Architecture, Planning, Community Development, Geography or a related field at the time of appointment is required. This candidate is expected to develop a strong program of research, contribute to the core teaching in the undergraduate program in landscape architecture as well as graduate classes in landscape architecture, geography, and/or community development, mentor and direct research programs of graduate students, and contribute to university service activities. The appointee is expected to conduct mission-oriented research and outreach of relevance to the California Agricultural Experiment Station.

This position will be recruited at the Assistant Professor rank, and is a tenure-track academic year (9-mo) position. Candidates should begin the application process by registering online at <https://secure.caes.ucdavis.edu/Recruitment/>. Applicants should submit a curriculum vitae, graduate school transcripts, research and

teaching statements and background, copies of relevant publications and manuscripts, a creative portfolio in PDF format, and the names and addresses of four references. When you submit a creative portfolio (in PDF format) please upload it in the publication category and in the file name indicate it is a portfolio. Your digital file must not exceed 10mb. The position is open until filled, but to ensure consideration, please apply by November 30, 2012.

UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, veterans, and individuals with disabilities.

NOV 12-254

*CALIFORNIA, FRESNO

California State University, Fresno. **Environmental Planning, Assistant Professor – AY.** Will have teaching and research interests in environmental management and planning with a specialty in water resource. The successful candidate will be expected to teach courses in environmental planning, environmental pollution and U.S. environmental law; develop courses relating to water issues for the department; engage in scholarly research and publication activities; and participate in extramural environmental/planning-related research projects. Other duties will include, but not be limited to, advising students and serving on department, college, and university committees. The successful candidate may be called upon to teach in a distance education mode and will be encouraged to develop web-enhanced and/or web-based instruction. Outcomes assessment and service learning are important components of the university curriculum. The successful candidate will be expected to work cooperatively with faculty and staff in the department, college and university. The successful candidate will join a university-wide cohort of faculty that will develop teaching, research, and outreach initiatives that focus on water quality, technology, and management, including a new interdisciplinary Master's degree in water resource management.

Apply: For more information and to apply, visit <http://apptrkr.com/281021>.

To ensure the full consideration, submit all application materials by December 31, 2012. Searches automatically close on April 1, 2013 if not filled. EOE.

NOV 12-238

*CALIFORNIA, REDLANDS

The University of Redlands seeks applicants for a two-year, **visiting assistant professor** position to begin January 1, 2013. The position will be located in the MS GIS Program. The visitor will teach six course equivalents/year (32-36 credits) within our undergraduate Environmental Studies, emerging Spatial Studies, and Master of Science in GIS Programs. These diverse teaching responsibilities extend over an 11-month period each year.

For more information please refer to the University of Redlands employment page at: <http://www.redlands.edu/offices-directories/human-resources/13543.aspx>.

NOV 12-236

*CALIFORNIA, SAN BERNARDINO

The Geography and Environmental Studies department at California State University, San Bernardino invites applications for a full-time tenure-track position in **Environmental Geography** at the **Assistant Professor** level beginning September, 2013. A Ph.D. in Geography or a closely related discipline is required. The successful candidate will have teaching experience in landscape ecology, biogeography, conservation and resource issues, and physical geography. The candidate's research should be in one or more of these fields, preferably focused on California. The candidate will also be expected to serve as the principal coordinator and advisor for the department's Environmental Studies program.

Geography at CSUSB is closely tied to the G.E. program, and thus the position will require dedication to undergraduate teaching in a multicultural setting. Preferred candidates will be expected to meet the traditional requirements of excellence in teaching, active scholarly and professional work, and service to the University and community. In addition, all new faculty are encouraged to develop and participate in activities that support the University's strategic plan. This plan emphasizes three areas: a) alternative modes of instructional delivery to include off-campus and distance learning; b) the learning process, i.e., innovative teaching strategies and/or research on how students learn and apply knowledge over an extended period of time; and c) partnership with the community to enhance social, economic, and cultural conditions.

Apply: Candidate review will begin February 1, 2013. Submit application and CV with a statement on teaching philosophy, as well as a description of any interest or experience in one of the three strategic plan areas to:

Norman Meek, Chair, Department of Geography and Environmental Studies, 5500 University Parkway, San Bernardino, CA 92407-2397 (nmeek@csusb.edu).

After a successful initial review, official transcripts and multiple references will be requested. CSUSB is an EO/Title IX/ADA employer.

NOV 12-250

CALIFORNIA, SAN DIEGO

Four students (3 doctoral, 1 MS) are sought in support of an interdisciplinary project "CNH: Sustainability of Payments for Ecosystem Services in Coupled Natural and Human Systems", which is newly funded by NSF (PI: Dr. Li An, Department of Geography, San Diego State University). The three PhD positions will have emphases in 1) landscape ecology, remote sensing, habitat analysis; 2) GIScience and systems modeling; and 3) human geography and social demography, respectively. The MS position could be any one or combination of: 1) habitat modeling, 2) land cover change, 3) participatory mapping, and 4) econometric analysis.

These students will support the project in investigating the interaction between payment for ecosystem services programs in Fanjingshan National Nature Reserve, China for the endangered Guizhou golden monkey and the corresponding coupled natural and human system. Students should be comfortable working as part of a collaborative project with researchers from a range of backgrounds, have excellent interpersonal and writing skills, and possess a willingness to work in a range of international and disciplinary contexts. The ideal starting date for all four positions will be the 2013 fall semester (specifics negotiable). Salaries and benefits are competitive.

See <http://complexity.sdsu.edu/Positions/Positions.htm> for full details, application requirements, and contact information for correspondence regarding the positions. Contact Dr. Li An, lan@mail.sdsu.edu, for additional details.

OCT 12-198

*CALIFORNIA, SANTA BARBARA

Assistant Professor – Empirical Environmental Policy, Bren School of Environmental Science & Management, University of California, Santa Barbara.

The Bren School of Environmental Science & Management (www.bren.ucsb.edu) invites applications for a tenure-track Assistant Profes-

sor position, to start July 1, 2013. Applicants should possess a PhD or have completed all requirements for the degree by the time of appointment. Candidates who are currently assistant professors are particularly encouraged to apply, although the initial appointment would be without tenure. A joint appointment with a disciplinary department may be possible.

We seek a rigorous empiricist with research on the **empirical effects of environmental policy**. The candidate's disciplinary focus may be in political science, engineering, economics, geography, statistics, or related disciplines, with existing or emerging research activities related to one or more of the School's application interest areas: water resource management, marine resource and coastal management, conservation planning, climate and energy, and pollution prevention. Demonstrated depth within one's own discipline and interest in collaborating across disciplines and with the policy community are necessary attributes. The candidate must have expertise and built a research program around program/policy design and evaluation.

The Bren School is a graduate school providing rigorous, multi-disciplinary training in environmental science and management to Master's and PhD students. The faculty are drawn from the natural sciences, social sciences and management.

Apply: Send applications to: Empirical Environmental Policy Search Committee, Bren School of Environmental Science and Management, University of California, Santa Barbara, CA 93106-5131; email eep@bren.ucsb.edu; fax (805) 893-7612. Electronic submission of the application is preferable and must include a curriculum vitae, a statement of research interests and teaching experience and copies of up to five publications. Applicants should arrange for four letters of reference to be sent electronically. For fullest consideration, all materials should be received by December 15, 2012, although the position remains open until filled.

The University of California is an Equal Opportunity/Affirmative Action Employer. We encourage all qualified applicants to apply, including minorities, women, and persons with disabilities. The school is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching and service.

NOV 12-214

CALIFORNIA, SANTA BARBARA

The Department of Black Studies (www.blackstudies.ucsb.edu) invites applications for a full

time, ladder-rank, tenure-track faculty appointment at the rank of **Assistant Professor** (without tenure) in **Black Urban Studies** to start July 1, 2013. Applicants should possess a Ph.D. or supply evidence that all requirements for the degree will be completed by October 1, 2013.

Successful candidates may have a Ph.D. in Sociology, Public Policy, Public Health, Geography, History, African Diaspora Studies, Global Studies, Urban Planning, Anthropology, Architecture, American Studies, Ethnic Studies, Economics, Political Science, Education or related disciplines. We seek a researcher with an expertise in the experiences of Blacks in cities with a particular focus on the impact of the urban environment on space, health, economics, social organization, population, policy, etc. The research should correspond with the Black Studies Department's universal investment in social justice. The Department is especially interested in candidates whose research engages with and takes seriously alternative systems of urban community formation and the global Black Metropolis.

For additional details and application: <http://www.blackstudies.ucsb.edu/events/open-positions.html>.

OCT 12-200

COLORADO, BOULDER

The Department of Geography at the University of Colorado Boulder invites applications for an **Assistant/Associate** level tenure-track position in **Human Geography**, beginning in August 2013.

The position will complement and expand the department's strength in **development geography**, with desirable specialization areas including (but not limited to): gender and development, feminist methodology, urban processes, security/conflict, and agrarian change. Priority will be given to candidates with field experience in Africa, the Middle East, South Asia or Southeast Asia.

The successful candidate will regularly teach development geography at the undergraduate level, and a regional geography course as part of the normal load (3 courses per year for research-active faculty). The successful candidate will also rotate into the large introductory human geography courses, teach undergraduate and graduate classes in his/her specialty and contribute to the Development Studies graduate study certificate program. All requirements for the Ph.D. must be completed by August 15, 2013.

Applications are accepted electronically at <https://www.jobsatcu.com>, posting 818574, and

should include an application letter, a curriculum vitae, up to three relevant reprints of publications, evidence of teaching effectiveness, and 1-2 page statements of research and teaching plans. You also must provide the names and e-mail addresses of three professional references. Full position description is available at <http://www.colorado.edu/ArtsSciences/Jobs/>. Review of applications will begin on October 15, 2012 and will continue until the post is filled.

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA Coordinator at hr-ada@colorado.edu. See <http://geography.colorado.edu> for more information about the geography department at CU.

For further information and informal inquiries, please contact Tim Oakes (toakes@colorado.edu).

OCT 12-177

*CONNECTICUT, NEW HAVEN

Yale School of Forestry & Environmental Studies. **Faculty Position in Sociology or Political Science.**

The School of Forestry & Environmental Studies at Yale has a tenure-track **Assistant Professor** position for an exceptional social scientist trained in sociology, political science, or a related discipline, whose research and teaching address the human dimensions of environmental management and resource stewardship. Candidates will have an outstanding record of scholarship and will also demonstrate potential for connecting and collaborating with natural and physical scientists in an interdisciplinary School.

Candidates should have expertise in fields such as: environmental aspects of human and community behaviors, well-being and livelihoods; the policy-making process; science-policy relations; international or comparative environmental governance; and environmental institutions and movements.

We seek candidates who apply their research expertise to a broad range of environmental challenges such as: sustainability in urban systems; energy systems security and sustainability; environmental justice; land-use change; agriculture and food security; conservation and protected-area management; stewardship of water resources; or societal responses to risk,

hazards and pollution. Prior to applying, candidates should explore the School's website (www.environment.yale.edu) and consider how their expertise can complement existing strengths within the School.

The successful candidate will be expected to develop an internationally recognized research program that involves graduate students, including through fieldwork. We encourage our faculty to work across disciplinary boundaries in a collegial environment. Applicants will be expected to teach classes to PhD, Masters and undergraduate students.

Applications received by October 29, 2012, will receive full consideration.

Apply: Applicants should submit a curriculum vitae, a statement of research, a statement of teaching interests, and the names and contact information of four references via <http://academicpositions.yale.edu/postings/598>.

For more information about the position, contact Assistant Dean Angela Kuhne at angela.kuhne@yale.edu.

Disclosure: Yale University is an equal opportunity/affirmative action employer. Yale values diversity among its students, staff, and faculty and strongly encourages applications from, and nominations of, women and under-represented minorities.

NOV 12-212-1

DELAWARE, NEWARK

University of Delaware. The Department of Geography in the College of Earth, Ocean, and Environment invites applications for a tenure track **Assistant Professor** position beginning September 2013. The department seeks a **Climatologist** who will complement and enhance the existing research areas of the department and college.

The Geography Department at the University of Delaware is a nationally and internationally recognized department that has a long-standing tradition in climatological research. The department offers undergraduate degrees in Geography, Environmental Science and Environmental Studies, Masters degrees in Geography, Ph.D. degrees in Geography and Climatology, and a graduate-level certificate program in Geographic Information Science. Our research and teaching programs interact extensively with other units in our college and university, and we emphasize interdisciplinary research collaborations.

The successful candidate will be expected to develop an independent research program with

a graduate education program and a high level of publication and external support, along with service to the department, college, university, and profession and teaching in support of our degree programs. A Ph.D. in Geography or related discipline is required at the time of appointment.

To be considered for this position, applicants must provide a letter of application addressing their qualifications for the position, a curriculum vitae, statement of research and teaching interests, and contact information for three references. All applications must be submitted electronically at <http://www.udel.edu/jobs> by attaching a CV and statements combined as one electronic document. Questions regarding this position (job ID#100889) (but not applications) may be addressed to the committee chair, Brian Hanson, hanson@udel.edu. Review of applications will begin on October 12, 2012, and will continue until the position is filled. Further information about our department and programs may be found at <http://www.udel.edu/Geography>.

The University of Delaware is located midway between Philadelphia and Baltimore, and is a Sea Grant, Space Grant, and Land Grant institution and a member of the UCGIS. The University of Delaware is an Equal Opportunity Employer and encourages applications from minority group members and women.

OCT 12-180

*DISTRICT OF COLUMBIA, WASHINGTON

The George Washington University, Department of Geography. Applications are invited for a tenure-track position at the **Assistant Professor** level in **Global Environmental Change** with a strong background in **climate science**. He or she will teach undergraduate and graduate courses in geographic information systems, spatial analysis, and climatology, conduct research and produce scholarship in such areas as climate impacts, human adaptation, and human-environmental issues. This appointment will begin in academic year 2013-14. The George Washington University is located in downtown Washington, D.C. and offers BA and MA degrees in Geography, a BA in Environmental Studies, and Minors in Geography and GIS. Faculty members in the Department are actively involved in the Environmental Studies Program, the Center for Urban and Environmental Research, the Trachtenberg School of Public Policy and Public Administration, and the Elliott School of International

Affairs. Research foci in the department include urban environment issues, Arctic regions and migration.

Minimum Qualifications: Applicants must have a Ph.D. in Geography or an allied field by August 1, 2013. ABD applicants will be considered, but must complete all requirements for the Ph.D. by August 1, 2013. Applicants must have a strong publication record and active research agenda, as evidenced by research publications, and teaching experience, as evidenced by teaching evaluations and letters of reference.

Application Procedure: Applicants should complete an online faculty application at <http://www.gwu.jobs/postings/11421> and upload a cover letter, CV, one sample publication, sample course syllabi, and contact information for three letters of reference. Review of applications will begin November 1, 2012 and will continue until the position is filled. Only completed applications will be considered.

The George Washington University seeks to attract a diverse faculty of the highest caliber; women and people of color are particularly encouraged to apply. The George Washington University is an Equal Opportunity/Affirmative Action employer.

NOV 12-239

*DC, WASHINGTON

Assistant Professor of Science, Technology and International Affairs, Edmund A. Walsh School of Foreign Service. The Edmund A. Walsh School of Foreign Service at Georgetown University invites applications for a tenure-track faculty position in Science, Technology, and International affairs at the assistant professor level.

Successful applicants will have a research focus that combines scientific or technical expertise with the international policy dimensions of one or several topics that are core to the Science, Technology, and International Affairs (STIA) program. We particularly seek applicants with expertise in either of two core areas: (1) global policy of information technology or (2) global health and health policy. We especially welcome applicants who can teach some combination of quantitative and qualitative methods, computer modeling, GIS, or remote sensing. The position includes the standard teaching load primarily within the undergraduate STIA program. There are also opportunities to teach and advise graduate students. The STIA major is a multi- and inter-disciplinary liberal arts program that aims to equip students with the

tools to understand problems at the intersection of scientific and technical issues and international affairs. Further information about the School of Foreign Service and the STIA program is available at sfs.georgetown.edu.

The Walsh School seeks a scholar who has demonstrated potential for excellence in research, teaching, and service. Applicants should provide a cover letter, curriculum vitae, sample(s) of scholarly writing, statements on research and teaching, copies of teaching evaluations (if available), and three letters of reference.

Apply: Applications for this position must be made via Georgetown's online application management system at <https://academicjobsonline.org/ajo/jobs/1951>. Faxed or emailed applications will not be accepted. Review of applications will begin on October 15 and will continue until the position is filled. Questions about the online application system should be directed to Nick Starvaggi at nhs22@georgetown.edu. Queries about the position should be directed to Dr. James Reardon-Anderson, Senior Associate Dean for Academic Affairs, at reardonj@georgetown.edu.

Georgetown University is an Equal Opportunity, Affirmative Action Employer fully dedicated to achieving a diverse faculty and staff. All qualified candidates are encouraged to apply and will receive consideration for employment without regard to race, sex, sexual orientation, age, religion, national origin, marital status, veteran status, disability or other categories protected by law.

NOV 12-219

DC, WASHINGTON

Johns Hopkins University, Zanvyl Krieger School of Arts and Sciences, Advanced Academic Programs. Academic Program Director, Environmental Studies.

The Advanced Academic Programs (AAP) unit of the Krieger School seeks an academic program director to oversee its graduate programs in Environmental Studies. Since 1993, the Environmental Studies program has provided high-quality master's degrees to students in the Baltimore-Washington area. With three degrees and one certificate, and with substantial parts of these curricula available online, the program enjoys a national and international reputation, with increasing numbers of online students. The position of Academic Program Director is a full-time, twelve-month faculty and administrative position (non-tenure track) with an initial appointment of one year.

The Academic Program Director is responsible for the following programs: Master of Science in Environmental Sciences and Policy (this degree includes four optional concentrations); Master of Science in Energy Policy and Climate; Master of Science in Geographic Information Systems; Post-Baccalaureate Certificate in Geographic Information Systems.

In addition to teaching, responsibilities include the day-to-day operation and management of academic programming, including instruction, curriculum development, academic planning and scheduling in addition to supervising full-time, part-time, limited-time, and adjunct faculty. Full-time and part-time faculty may include one or more Associate Program Directors and one or more Program Coordinators. The Academic Program Director serves as the primary faculty recruiter for his or her program, and works closely with AAP's marketing, admissions and finance teams to promote the program and to manage its budget.

Major responsibilities include the following: Hiring and supervising of program faculty; Budgetary management and financial planning; Curriculum development and revision; Program Promotion, including outreach to prospective students and partners; Teaching; Academic Advising. Academic Program Directors report to discipline-based program chairs as well as to the Dean of the Krieger School through the Associate Dean for Advanced Academic Programs.

The ideal candidate will possess a terminal degree (Ph.D., ED.D, MBA, JD etc.) in a discipline related to the Environmental Sciences or Environmental Policy (Biology, Hydrology, Chemistry, Earth Sciences, Environmental Education, Geography, Urban Planning or Environmental Policy). Preference will be given to candidates who demonstrate significant involvement with, or academic preparation in, the sciences. Candidates should possess administrative and/or management experience, ideally in an academic setting.

For best consideration, please apply by sending a curriculum vitae, the names and contact information for 3 professional references, and a recent salary history to: Search Committee, Environmental Studies Academic Program Director, Office of the Associate Dean, 1717 Massachusetts Avenue NW, Suite 104, Washington, DC 20036-2001.

Johns Hopkins is an equal opportunity/affirmative action employer.

Note: The successful candidate(s) for this position will be subject to a pre-employment background check.

OCT 12-176

*GEORGIA, STATESBORO

Tenure Track Faculty Position, Remote Sensing, Georgia Southern University.

Georgia Southern University's Department of Geology and Geography invites applications for an **Assistant Professor** in Geography with expertise in **remote sensing, GIS, and/or quantitative methods**. The position requires teaching, service, and research responsibilities as well as a PhD in geography or a closely related discipline. The full text advertisement, including information about the department, faculty, and the complete position announcement with all qualifications and application instructions, is available at <http://cosm.georgiasouthern.edu>. Screening of applications begins October 15, 2012, and continues until the position is filled. Georgia is an open records state. Georgia Southern is an AA/EO institution. Individuals who need reasonable accommodations under the ADA to participate in the search process should contact the Associate Provost.

NOV 12-229

*IDAHO, POCATELLO

Assistant Professor, Digital History. The Department of History at Idaho State University seeks a tenure track, assistant professor in digital history, focusing on **Historical GIS**. The field of specialization is open, though preference is towards candidates who will reinforce department strengths in environmental history, women's history, transnational history, or the North American West. A Ph.D. in history, geography, or related field is required at appointment in August 2013. Successful candidates will demonstrate a growing record of scholarship, commitment to teaching, including distance-learning and high-quality online courses, and potential for successful grant funding. Specific teaching duties include undergraduate and graduate courses and training graduate students in historical GIS and other tools of research and education. Review of applications begins November 15, 2012. The department will conduct interviews at the American Historical Association annual meeting.

Apply: Submit letter of application, C.V., and three letters of reference online at <http://isujobs.net>.

ISU is a research university with 15,000 students enrolled in programs ranging from undergraduate to doctoral. History faculty exemplifies high-quality teaching and innovative, productive research in collaboration with other disciplines. The university is located in Pocatello, tucked against the mountains in a setting valued for its scenic attractions and recreational opportunities. ISU is an equal opportunity/affirmative action employer. We have an institution-wide commitment to inclusion and diversity and encourage all qualified individuals to apply.

Kevin Marsh, Chair, Department of History, Idaho State University, 921 S 8th Ave, Stop 8079, Pocatello, ID 83209-8079. Email: hистdept@isu.edu. Fax: 208.282.4267.

NOV 12-260

ILLINOIS, NORMAL

Illinois State University (ISU), **Assistant Professor in Urban Geography**. The Department of Geography-Geology at Illinois State University invites applications for a tenure-track position at the Assistant Professor level. The preferred starting date is August 16, 2013. A PhD in Geography or a closely related field is required, but ABD candidates will be considered. The department seeks a candidate with a strong potential for scholarly research, publication, and teaching in Urban Geography with emphasis in human-environment interactions and/or GIS. Ability to teach GIS is a plus, as is a willingness to advance the mission of our GEOMAP office. The successful candidate is expected to seek extramural funding. A strong interest and expertise in conducting field-based research also is desired. The potential for a significant startup package exists. Salary is commensurate with qualifications and experience.

ISU is a research-intensive university with an annual enrollment of approximately 20,000 students. ISU is located in the Bloomington-Normal metropolitan area of central Illinois with a population of approximately 150,000. The Department of Geography-Geology offers B.S. degrees in Geography and Geology, and M.S. degrees in Hydrogeology.

Apply: Please send applications to Dr. David Malone, Urban Geography Search Committee, Department of Geography-Geology, Illinois State University, Normal, Illinois, 61790-4400, USA.

Applications should include a cover letter, curriculum vita, statements outlining current and future research interests and teaching philosophy, three letters of recommendation, and

all college and university transcripts. Review of applications will begin on November 30, 2012, and will continue until the position is filled. No electronic applications will be accepted; please send hard copies of all required documents. Inquiries about the application process should be directed to Dr. David Malone (dhmalon@ilstu.edu, 309-438-2692). Additional information about the department and the community can be found at www.geo.ilstu.edu.

Illinois State University is an Affirmative Action University encouraging diversity.

OCT 12-187

*IOWA, CEDAR FALLS

The Department of Geography at the University of Northern Iowa invites applications for a tenure-track **Assistant Professor** specializing in **Geotechniques** to begin August 2013. The successful candidate will teach intermediate/upper-level geotechniques courses, additional courses in the candidate's specialty, and one of the department's general education Geography courses. We seek an engaging teacher and active researcher. The typical teaching load is three courses per semester. A Ph.D. degree in Geography or a closely-related discipline required. ABD candidates will be considered with evidence of degree completion by August 2013. See additional requirements at www.uni.edu/geography.

The Department of Geography offers BA, BS and MA degrees, along with a minor. The department also offers a professional GISc certificate and participates in an interdisciplinary Crime Mapping and Analysis certificate. The department houses several specialized labs/programs, including the Iowa Space Grant Consortium, GeoTREE Center, Geographic Alliance of Iowa, the Environmental Characterization & Analysis Lab, and an Arctic research lab.

U.S. News and World Report ranked UNI in the top three among Midwest public universities for the past 17 years. The university's size – just more than 12,200 students – allows it to offer faculty, facilities and academic choices of a large university, while retaining a friendly, small-college atmosphere on a compact, park-like campus. The Cedar Falls/Waterloo area has a population of approximately 165,000 with a vibrant range of educational, cultural, and recreational opportunities.

Applications received by November 15, 2012 will be given full consideration. To apply, visit <http://jobs.uni.edu>. Pre-employment background checks are required. Questions can

be directed to Dr. Alex Oberle, (319) 273-6332; alex.oberle@uni.edu. The department encourages applications from persons of color, women, persons living with disabilities, and veterans. The University is an Equal Opportunity Employer with a comprehensive plan for Affirmative Action.

UNI is a smoke-free campus.

NOV 12-243-1

*MARYLAND, BALTIMORE

The Department of Geography and Environmental Systems at the University of Maryland Baltimore County (UMBC) invites applications for **two tenure-track positions at the Assistant Professor level** beginning in August 2013. Ph.D. in Geography or closely related field required at time of appointment. Candidates are expected to have an active program of research and publications, the ability to attract external funding, and evidence of a commitment to excellence in teaching at the undergraduate and graduate levels (the standard teaching load is two courses per semester).

Position 1. We are seeking a **Biogeographer** with research interests in global change, biodiversity, ecosystem services, or macro-ecology. The ability to undertake novel quantitative analyses of large data sets is also desirable.

Position 2. We are seeking an **Urban Geographer** whose research emphasizes social, economic, and/or environmental processes associated with urban change. Experience with field-based research, geospatial information technology, or quantitative analysis is desirable.

In the most recent Carnegie ranking, UMBC is listed as a Research University-High Research Activity. Research opportunities at UMBC include collaboration with colleagues the Baltimore Ecosystem Study (BES), an NSF-funded Urban Long-Term Ecological Research site headquartered at UMBC; the Joint Center for Earth Systems Technology (JCET), a research consortia formed by UMBC and NASA-Goddard Space Flight Center; the Center for Urban Environmental Research and Education (CUERE), an EPA and NOAA-funded center focused on the environmental, social and economic impacts of urban and suburban landscape transformation; and the U.S. Geological Survey Water Science Center for the MD-DE-DC region. The campus is located in close proximity to Washington D.C. and a broad array of federal, state, and local agencies as well as to other research institutions along the Washington-Baltimore-Philadelphia

corridor. Interested candidates may visit the web site <http://www.umbc.edu/ges> for additional information.

Please send curriculum vitae and cover letter describing research agenda and teaching interests, and have three letters of reference sent to the department. Electronic submissions are strongly encouraged. Those applying for the Biogeography position should send pdfs to Dr. Matthew Baker, Search Chair, at bio-geogsearch@umbc.edu. Those applying for the Urban Geography position should send pdfs to Dr. Sari Bennett, Search Chair, at urbangeog@umbc.edu. For those unable to submit electronically, please send applications to Department of Geography and Environmental Systems, UMBC, 1000 Hilltop Circle, Baltimore, Maryland 21250. Review of applications will begin on Dec. 3, 2012 and will continue until the position is filled.

UMBC is especially proud of the diversity of its student body and we seek to attract an equally diverse applicant pool for this position. We have a strong commitment to increasing faculty diversity.

UMBC is an Equal Opportunity/Affirmative Action Employer.

NOV 12-249-1

MARYLAND, SALISBURY

Assistant Professor – Geology/Physical Geography. Salisbury University seeks a Tenure-Track Assistant Professor in Geology/Physical Geography. Area of Specialization: **Groundwater hydrology, stratigraphy, sedimentology or coastal plain geology preferred.**

Primary Job Duties: Teach up to 24 credit hours (or equivalent) per year. This will include undergraduate courses and labs to support the Earth Science major and the Physical Geography tracks within the Geography major; may also include teaching field-based courses. The faculty member is expected to conduct undergraduate research in their field of specialization, challenge undergraduate students with integrated instruction and exploration, and utilize an effective teaching style that supports a diverse student body.

Requirements: A Ph.D. in Geology, Physical Geography or related discipline is required (ABD may be considered). If ABD, would be hired at the rank of Instructor, with the requirement that candidate complete doctoral degree by June 2014.

Applications will be accepted via Salisbury University's Online Employment Application

System. Please visit our website <http://www.salisbury.edu/HR/Jobs> to apply online. See the FAQs of the Online Employment Application System for more information and instructions.

To be considered an applicant, you must apply online and submit the following: 1) a letter of interest, 2) curriculum vitae, 3) evidence of teaching excellence and scholarly publication, 4) academic transcripts (can be a copy), and 5) the names and contact information of at least three (3) professional references.

Note: All documents that you wish to provide must be attached to your application in the Online Employment Application System. Please do not send any other documents via E-mail. If you have any questions about the position, please contact Dr. Brent Zaprowski at bjzaprowski@salisbury.edu.

Applications submitted by January 2, 2013 will receive first consideration. The position will remain open until filled. Salary is competitive and commensurate with qualifications and experience. Appointment will be contingent upon verification of eligibility to work in the U.S. and is expected to begin August 13, 2013.

The Department of Geography and Geosciences at Salisbury University consists of 13 faculty members with specializations in GIScience, Atmospheric Science, Physical Geography, Geology, and Environmental/Land-Use Planning. The Department offers a B.S. in Earth Science and a B.S. in Geography, as well as a M.S. in GIS Management.

This position is based in Salisbury Maryland. Founded in 1925, Salisbury University is one of 13 institutions that compose the University System of Maryland. Salisbury University is a selective undergraduate institution within the University System of Maryland. The University is close to ocean beaches and the Chesapeake Bay and 2-3 hours from the metropolitan areas of Washington, Baltimore, Philadelphia, and Norfolk. SU has been cited nationally as one of the top ten public regional universities in the North according to the U.S. News and World Report, and has also been recognized by the Princeton Review and Kiplinger's magazine. SU has 388 full-time faculty members serving a student population of approximately 8,600.

Salisbury University has a strong institutional commitment to diversity and is an Equal Opportunity/Affirmative Action employer, providing equal employment and educational opportunities to all those qualified, without regard to race, color, religion, national origin,

gender, age, marital status, disability, genetic information, or sexual orientation.

Oct 12-173

MARYLAND, TOWSON

The Towson University Department of Geography and Environmental Planning seeks a **broadly-trained physical geographer with specialization in climatology** for a tenure-track, **Assistant Professor** position starting in August 2013.

Applicants should demonstrate a strong commitment to excellence in teaching and working with diverse populations of students. Responsibilities will include supporting the department and our minor in Meteorology by teaching classes in introductory physical geography, meteorology, climatology, climate change, the interaction of society with the environment, and an upper-level elective and/or graduate-level course in the candidate's area of specialization. The successful candidate will be expected to work with geography graduate students and support undergraduate research. Resources include a physical geography teaching laboratory, a weather station, computer laboratories, and two research laboratories for geomorphology and meteorology. There is potential for working with the media studies program to provide students with experience in broadcast meteorology, and NOAA headquarters is located an hour away in Silver Spring, MD. A Ph.D. is required; ABD will be considered for those expecting to complete the degree by summer 2013.

Founded in 1866, today Towson University is recognized by *U.S. News & World Reports* as one of the top public universities in the Northeast and Mid-Atlantic regions. Towson is nationally recognized for its programs in the liberal arts and sciences, business, education, communications, health sciences, and the fine and performing arts. The University places a strong emphasis on service learning and civic engagement through such activities as internships, practical, clinical placements, course assignments and student events. As the Baltimore area's largest university and Maryland's Metropolitan University, Towson articulates its research and scholarship mission through partnerships that link the University to the economic, educational and cultural life of the state of Maryland and the mid-Atlantic region. Towson enrolls more than 21,000 students and offers more than 100 bachelors, masters, and doctoral programs in the liberal arts and sciences, and applied professional fields.

Located on a rolling 328 acres, the striking campus is eight miles north of downtown Baltimore and 45 miles from Washington, D.C. The campus and its surrounding cities provide an excellent environment for teaching and supporting the academic pursuits of the 830 full-time faculty who work here. For additional information, visit <http://www.towson.edu>.

Applicants should submit a cover letter, a CV, two professional reference letters, a copy of any relevant publications, and a recent course syllabus or other teaching materials. In their cover letter, candidates should explain the role they would like to play in our department with respect to the teaching duties explained above, and they should describe their current and future plans for research. The potential for research collaboration exists in fields such as data mining of large climatological data sets, geographic information science, the urban environment, human impacts to the environment, and hydrology.

Apply: the applicant should submit electronic PDF copies of all materials to: Dr. Martin Roberge, geoghire@towson.edu, Chair, Physical Geography Search Committee, Department of Geography and Environmental Planning, Towson University, 8000 York Road, Towson, Maryland 21252-0001.

Upon submitting your Curriculum Vitae to indicate you are an applicant for this position, please be sure to visit <http://www.towson.edu/odeo/applicantdata.asp> to complete a voluntary on-line applicant data form. The information you provide will inform the university's affirmative action plan and is for statistical purposes only and shall not be used to illegally discriminate for or against anyone.

Towson University is an equal opportunity/affirmative action employer and has a strong institutional commitment to diversity. Women, minorities, persons with disabilities, and veterans are encouraged to apply. This position is contingent on the availability of funds at the time of hire.

OCT 12-191

MASSACHUSETTS, CAMBRIDGE

Post Doctoral Research Associate at the Center for Geographic Analysis (CGA), Harvard University. The primary responsibility of the appointee is to design and implement new spatial reasoning curricula at Harvard College and other schools at Harvard University. The successful candidate will interact with several different faculty members to customize new instructional content. S/he

will provide instructional support in four distinct manners: 1) designing new geographic modules for diverse courses, 2) preparing learning materials, 3) training teaching assistants, and 4) providing learning support, including technical support in classrooms and tutorial environments.

Additional responsibilities include enhancing the CGA's highly successful geospatial technology training programs, and contributing to the general geospatial support of teaching, learning, and research across departments and schools at Harvard University.

The successful candidate must have a recent Ph.D. in geography or a related program, with a strong component in geospatial technology; must have excellent oral and written communication skills. Previous teaching experience strongly preferred. Systematic training and hands-on experience in remote sensing is a plus.

The position will remain open until filled. Harvard is an Equal Opportunity/Affirmative Action employer. Minority and women candidates are encouraged to apply. To apply: please send application letter, CV and three recommendation letters to wguan@cga.harvard.edu.

OCT 12-193

MICHIGAN, DEARBORN

University of Michigan-Dearborn. **Geography-Urban Specialist**. The Department of Social Sciences at the University of Michigan-Dearborn is seeking candidates for a tenure track appointment as an **Assistant Professor of Geography** effective September 1, 2013. A Ph.D. in geography or a related field is required. Candidates must have a commitment to teaching talented and diverse undergraduates, expertise in GIS, and a demonstrated ability to sustain a productive research agenda. The position is a joint-appointment in Geography and Urban and Regional Studies and will support the department's growing majors in Social Studies and Urban and Regional Studies, the Geography minor, and the Certificate program in GIS. Teaching load is three courses per semester. The new faculty will be expected to teach urban geography, urban planning, and GIS for social sciences, supported by the university's new Geospatial Analysis Lab. The faculty member would teach additional courses in human geography and urban and regional planning consistent with his/her area of interest.

The University of Michigan-Dearborn currently enrolls approximately 8,900 students in bachelor's and master's degree programs. The University is one of three campuses – along

with Ann Arbor and Flint - in the University of Michigan system. Faculty and students have the opportunity to collaborate across all three campuses in research and scholarly activity. UIM-Dearborn is located ten miles west of Detroit and thirty-five miles east of Ann Arbor.

The University of Michigan-Dearborn is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment. We are an equal access/equal opportunity employer and campus community, and do not discriminate on the basis of gender, race, religion, color, age, national origin, disability, veteran or marital status, gender expression, or genetic information.

Applicants should submit a cover letter indicating teaching and research interests, a curriculum vitae, graduate transcripts, writing sample, evidence of teaching effectiveness, and three letters of recommendation. Review of applications will begin November 1, 2012, but applications will be accepted until the position is filled.

Apply: Send all materials to: Chair, Geography Search Committee, Department of Social Sciences, University of Michigan-Dearborn, 4901 Evergreen, Dearborn, MI 48128.

For further program information, please visit: <http://www.casl.umd.umich.edu/socialsciences>.

The University of Michigan, Dearborn is an equal opportunity-affirmative action employer.

OCT 12-203

*MICHIGAN, GRAND RAPIDS

The Department of Geology, Geography, and Environmental Studies at Calvin College invites applications for a full-time, tenure-track appointment for the position of **Human Geographer at an open rank**. A Ph.D. in geography is preferred although ABD candidates will be considered. Pending final administrative approval, the appointment will begin August 2013. Primary responsibilities will include teaching courses in human geography, urban geography, and world & regional geography (North America, Latin America, or Asia preferred). Candidates are expected to maintain a committed research and publication agenda.

The GEO Department at Calvin College is a dynamic department with seven faculty. Calvin College seeks faculty members who affirm the Christian faith as expressed by the Reformed confessions and who have academic and personal qualifications for teaching and scholarship. Calvin is building a tradition of diversity and accessibility and welcomes appli-

cations from persons whose personal characteristics will further that commitment. Calvin does not discriminate in the employment of individuals on the basis of race, color, national or ethnic origin, disability, sex, or age. Further specifics are posted on the college website <http://www.calvin.edu/go/facultyopenings>.

Applicants should submit a letter in writing that includes a statement of teaching philosophy and experience, research interests, and interest in teaching at a Christian college. In addition, a curriculum vitae, three letters of recommendation, and academic transcripts are required. Additional information may be requested.

All inquiries and documents should be sent to Administrative Assistant Cheryl Hoogewind (616.526.8415), Search Committee Organizer, Department of Geology, Geography, and Environmental Studies, Calvin College, 3201 Burton St. SE, Grand Rapids, MI 49546. More on the GEO Department can be found at <http://www.calvin.edu/academic/geology/>. Review of applications will begin November 15, 2012 and continue until the position is filled.

NOV 12-265

*MICHIGAN, YPSILANTI

The Department of Geography & Geology at Eastern Michigan University invites applications for a tenure-track position in **Tourism Geography** at the **Assistant Professor** rank to begin Fall 2013. The successful candidate will have expertise in tourism geography with complementary interests in historic preservation, sustainable economic development, planning and policy, and cultural or human geography. The appointee will serve as coordinator of the department's undergraduate geo-tourism concentration and may take a lead in crafting the future direction of the program. In addition, the successful candidate will be an advisor to students in the graduate program in Historic Preservation and be expected to teach graduate seminars in such areas as cultural tourism, and heritage tourism. Applicants should demonstrate experience in teaching, research, publications, and grants. Proficiency in developing online and hybrid courses is desired. A Ph.D. is preferred; Masters degree in a discipline appropriate to the program plus an additional eighteen (18) semester hours of graduate credit or equivalent required.

Eastern Michigan University enrolls approximately 23,000 students and offers an outstanding benefits package and a collegial work environment. The EMU campus is located in

the Ypsilanti/Ann Arbor community, five miles from downtown Ann Arbor and 35 miles west of Detroit, MI and Windsor, Ontario. For more information see www.emich.edu.

Geography at EMU is the oldest active program west of the Appalachian Mountains; it has offered concentrations in tourism since the late 1980s. Other programs in the department include Earth Systems Science, Geographic Information Systems, Historic Preservation, and Urban & Regional Planning. Additionally, founded in 1979, EMU's Historic Preservation Program is one of the largest graduate preservation programs in the nation with an average of 80 to 90 students per year. It is certified by the National Council for Preservation Education. The Program offers concentrations in Preservation Planning; Heritage Interpretation, Tourism, and Administration; Conservation and Technology; General Preservation Studies; a Graduate Certificate; and an Undergraduate Minor.

All applications must be made online at <https://www.emujobs.com>. Applicants should send a letter that includes a statement of qualifications for teaching and research; a curriculum vita that includes education, publications, teaching, and research experience; and the names, addresses, phone numbers, and e-mail addresses of at least three references familiar with your teaching and research experience. Review of applications will begin January 7, 2013 and continue until the position is filled. EMU is an affirmative action / equal opportunity employer.

NOV 12-240

MINNESOTA, MINNEAPOLIS

Assistant/Associate/Full Professor, Population Studies/Demography. The University of Minnesota invites applications for multiple open-rank, tenure-track or tenured faculty positions available beginning August 2013. We seek demographers or population researchers with established or emerging lines of high-quality population research who can actively contribute to the research and training missions of the University, the Minnesota Population Center (MPC), and its affiliated academic units. For each position, the tenure home will be in Applied Economics, Geography, History, Public Affairs, Public Health (Epidemiology and Community Health and Health Policy and Management), Sociology or others. The applicant's research may be on any number of substantive areas (fertility, mortality, migration, historical demography, labor force dynamics,

household and family dynamics, education and human capital, population and the environment, neighborhoods and urbanization, aging, and population approaches to health disparities and health policy).

Requirements include: a doctoral degree in demography or a discipline closely aligned with population research (e.g., economics, geography, public health, sociology); demographic research and training experiences; a strong publication record in relevant peer-reviewed journals; evidence of potential for obtaining independent external research funding; and evidence of potential for teaching graduate and undergraduate courses on substantive areas within demography.

MPC is a University-wide Center that provides a vibrant and highly collaborative interdisciplinary environment for population researchers from many disciplinary backgrounds (www.pop.umn.edu). The center provides shared infrastructure for demographic research and training and coordinates collaborative research across the University. MPC researchers (who come from 26 academic units across 10 colleges in the University) have long worked to improve the shared data infrastructure that underlies all demographic research. Although best known for its large-scale demographic data infrastructure projects, MPC houses numerous substantive, interdisciplinary research projects on population, health, education, the environment, the labor market, and related issues.

The University of Minnesota is an equal opportunity educator and employer. Applications received by October 15, 2012 will receive full consideration. For complete information and to apply online: <http://employment.umn.edu/applicants/Central?quickFind=105011>.

OCT 12-172

*MISSISSIPPI, COLUMBUS

Assistant Professor of Geography or History + Secondary Social Studies Education. The Department of History, Political Science, and Geography at the Mississippi University for Women seeks a tenure-track Assistant Professor, to begin August 2013, to oversee the department's "Class A" secondary social studies teacher certification program, which is linked to major programs in History (BA) and Social Sciences (BA and BS). The successful candidate will possess the following qualifications: a graduate degree in Geography or History (specialty open); appropriate course work or graduate

degree in a complementary Education field; and teaching experience in history/social studies at the secondary level. At least one of the degrees earned should be a Ph.D.

The position's regular teaching responsibilities include: lower- and upper-division courses in Geography or History; HIS 410 (Methods and Materials in Secondary History and Social Studies); and the social studies section of ED 409 (Observation and Directed Teaching in Secondary Education Grades 7-12). The load is 4-4, with opportunities for overloads and summer teaching. The person holding the position will be responsible for assessing the University's secondary social studies teacher certification program in support of NCATE/CAEP accreditation. Additional duties may be assigned through membership in MUW's teacher education faculty.

Deadline for applications is January 1, 2013, with semi-finalists selected for phone interviews in the winter and finalists invited for campus interviews by early spring. Please limit application materials to the following: letter of professional interest; curriculum vitae; graduate transcripts; statement of teaching philosophy (including secondary teacher education philosophy); and three academic letters of recommendation.

Apply: Submit application materials to MUW's Office of Human Resources at hrinfo@hr.muw.edu or 1100 College Street MUW-1609, Columbus, MS 39701. Questions about the position may be directed to Dr. Brian Anderson, Chair of the Department of History, Political Science, and Geography, at bAnderson@as.muw.edu. AA/EOE.

NOV 12-258

MISSOURI, SPRINGFIELD

Missouri State University. The Department of Geography, Geology and Planning invites applications for a tenure-track **Assistant Professor of Planning and Human Geography** to begin either in January or August 2013. PhD or ABD in Geography, Planning, or a closely related field required at time of appointment. A research agenda as well as a commitment to teaching and service are required. Must be able to facilitate a work environment that encourages knowledge of, respect for, and development of skills to engage with those of other cultures or backgrounds. Demonstrated knowledge and understanding of multicultural and diversity issues required.

The Department grants undergraduate degrees in geography, planning, geospatial science, geology, and earth science education and an MS in Geospatial Science in Geography and Geology. The successful applicant will actively contribute to the undergraduate PAB accredited planning program and the newly established geotourism geography program. The candidate is also expected to teach both introductory and upper level courses in both planning and human geography. AICP certification or eligibility to apply for AICP certification within four years is expected.

Apply online at <http://www.missouristate.edu/academicopenings>. Attach a letter of application, curriculum vitae, detailed research plan, and contact information for 3-5 professional references to the electronic employment application. The evaluation of applications will begin October 15, 2012 and will continue until a successful candidate is found. Further information can be obtained at (417) 836-5800 or fax to (417) 836-6006, or visit our web site at <http://geosciences.missouristate.edu/>.

Missouri State University is an affirmative action/equal opportunity institution. The University is dedicated to the goal of building a culturally diverse and inclusive faculty and staff committed to teaching and working in a multicultural environment and strongly encourages applications from women, persons for underrepresented ethnic and racial groups, individuals with disabilities and covered veterans. Employment will require a criminal background check at University expense.

OCT 12-188

*MONTANA, BOZEMAN

The Department of Earth Sciences is searching for an **Assistant Professor in Geomorphology** who specializes in earth surface processes. Applicants with interests in, but not limited to, surficial processes influencing natural and/or altered ecosystems and climate change, mountain/glacial geomorphology, fluvial/watershed geomorphology and/or tectonic geomorphology are encouraged to apply. The position is a 1.0 FTE, Academic Year appointment starting August 15, 2013. Duties include advising earth science undergraduate and graduate students and teaching introductory Earth Sciences courses and upper-division/graduate courses in their specialty area.

Full details are at www.montana.edu/jobs/faculty/12246-2. Screening of applications will begin on November 15, 2012 and will continue until a suitable candidate is selected.

We encourage applications from members of underrepresented groups. Montana State University is an institution committed to cultural diversity. AA/ADA/EEO/Vet Pref Employer.

NOV 12-264

*NEVADA, RENO

The Department of Geography, University of Nevada, seeks applications for a tenure-track faculty appointment at the **Assistant Professor** level in the area of **Climate Science** with an expected start date of July 1, 2013. We seek applicants with broad research interests in processes and mechanisms of climate science, such as interannual to multidecadal climate variability, interactions between Earth's atmosphere, oceans, and land surfaces, regional-scale weather and climate processes in natural and human-modified landscapes, long-term coupling and feedbacks between climate and landscape evolution; and/or hydroclimatology of arid and semiarid regions. The successful candidate will have strong quantitative skills, interest in collaborating with a range of natural and social scientists on interdisciplinary topics, and a commitment to quality teaching at the undergraduate and graduate levels. A demonstrated track record in research and teaching is preferred.

Candidates will be evaluated on previous experience, communication skills, publication record, grant and contract activities, ability to work both collaboratively and independently and personal area of expertise that complements existing faculty. We seek a candidate who will develop their own externally funded research projects as well as be willing to work collaboratively with department faculty and contribute to existing projects. For full consideration, please apply by January 2, 2013. The close date may be extended to facilitate a successful hire. Women and members of underrepresented groups are encouraged to apply. For complete position description and qualifications see <https://www.unresearch.com/postings/11627>.

The University of Nevada, Reno is committed to Equal Employment Opportunity/Affirmative Action in recruitment of its students and employees and does not discriminate on the basis of race, color, religion, sex, age, creed, national origin, veteran status, physical or mental disability, and sexual orientation. The University of Nevada, Reno employs only United States citizens and aliens lawfully authorized to work in the United States. Women and under-represented groups are encouraged to apply.

NOV 12-232

*NEW HAMPSHIRE, HANOVER

Dartmouth College (www.dartmouth.edu/~geog) seeks an **Assistant Professor** in **Global Environmental Change** with a specialty in climatology, climate change, or climate modeling. We seek individuals committed to creative scholarship and teaching who complement and augment the Geography department's existing strengths in physical and environmental geography. Candidates should hold a Ph.D. or be in the final stages of a Ph.D. program.

Please send letter of application, email address, vitae, reprints, and names and contact information for three referees by December 15, 2012. With an even distribution of male and female students and over a third of the undergraduate student population members of minority groups, Dartmouth College is committed to diversity and encourages applications from women and minorities.

Apply: Frank Magilligan, Search Committee Chair, Department of Geography, 6017 Fairchild Hall (e-mail: geography@dartmouth.edu).

NOV 12-215

NEW JERSEY, GLASSBORO

The Department of Geography and Environment in the College of Humanities and Social Sciences at Rowan University is seeking applicants to fill a tenure-track faculty position in **Human Geography with Environmental focus** beginning September 1, 2013. We are seeking an innovative and broadly trained candidate who can energetically serve both the environmental studies and geography degree programs. The successful candidate will also be expected to develop an active research program involving undergraduates that will have significant potential for external funding. Opportunities exist to collaborate with faculty from within the College of Humanities and Social Sciences and across the university. Participation in both departmental and university service is also expected.

Qualifications: Candidates should have: 1) A Ph.D. in Geography, Environmental Studies, or a related discipline such as Human Ecology, completed by September 1, 2013; 2) Demonstration of excellence in teaching and ability to incorporate instructional technology into the classroom, prior experience in online teaching is preferred; 3) The ability to teach courses such as Environmental Studies: Social Perspective, Introduction to Planning and Environmental Design, Population Geography, Urban Geography, and Cultural Geography. Development

of advanced courses in the candidate's area of expertise is also welcome.

Starting Date is September 1, 2013. Salary is Competitive.

Rowan University is a comprehensive public institution that values high-quality teaching, scholarship, and service. Although our current enrollment is more than 11,000 students, our classes are small (20-30 students) and emphasize project-based and interdisciplinary approaches to learning. Research is supported by the university through travel support, internal grants, and load adjustment, although the candidate is expected to pursue external funding. Salary is competitive, and faculty positions fall under the State of New Jersey & AFT Collective Bargaining agreement. Rowan University ranks in the top tier of universities in the region. Less than 20 miles from Philadelphia, the area offers a variety of attractive urban and suburban living options. For more information about Rowan University and the Department of Geography and the Environment, please visit <http://www.rowan.edu> or <http://www.rowan.edu/geography>.

All positions are contingent upon budget appropriations. Rowan University values diversity, and is committed to equal opportunity.

Applications will be accepted until January 15, 2012 and must include letter of interest, curriculum vitae, graduate transcripts, statement of teaching philosophy, course evaluations, a description of research interests with plans for continuing this work at Rowan, and names and contact information of three references. Letters of recommendation must be provided upon request.

Apply: Applications are preferably submitted electronically to hasse@rowan.edu or in hard copy to Dr. John Hasse, Department of Geography and Environment, Rowan University, 201 Mullica Hill Road, Glassboro, NJ 08028 (telephone 856-256-4812).

OCT 12-185

*NEW JERSEY, MONTCLAIR

The **Director of the Institute for Sustainability Studies (ISS)** will hold a 12-month, tenure track associate or full professor position with a reduced teaching load within the Department of Earth and Environmental Studies at Montclair State University. The Director, responsible for the administration of the Institute, will develop a strong externally funded research program to examine critical issues in trans-disciplinary sustainability science, and will build the ISS into a leading resource for information, research,

and outreach by developing strong partnerships with surrounding institutions, industries, and communities. The Director will work closely with MSU's Passaic River Institute and will play a major role in the development of the new BS/MS program in Sustainability Science.

Qualifications: a doctorate, plus at least five years of academic experience, with a strong record of grants, publications, and graduate student advising in sustainability science. The area of expertise is open, but should complement the existing faculty strength in the department. Experience in program/center development, and the ability to interact effectively with a broad range of constituents to create a national standing for the Institute is required.

Apply: Applicants must send a letter of interest demonstrating qualifications and vision, curriculum vitae, a statement of research interest and teaching philosophy, and a list of at least three professional references to: Dr. Sandra Passchier, Search Committee Chair, Department of Earth and Environmental Studies, V-F19, Montclair State University, Montclair, NJ 07043.

The full position announcement can be found at the following weblink: https://oit-app2.montclair.edu/xf/hr_jobpostings/details.php?id=235. Electronic applications to passchiers@mail.montclair.edu are preferred. Application deadline: November 15, 2012.

NOV 12-230-1

NEW JERSEY, SOUTH HACKENSACK

Ethnic Technologies is seeking a **Sales and New Business Development Associate**. As the leading provider of multicultural marketing data, ethnic-related software and ethnic data appending services, our experts are constantly learning about the interaction of people by studying their names and geography. An ideal candidate is also interested in History, Sociology, Demography and Culture. Qualifications and Skills: Familiarity or a strong interest in other cultures and languages; Solid track record of sales and objective achievements with demonstrated results; Self-starter who can work relatively independently; Excellent written and verbal communication skills. Being bilingual (e.g. in Spanish) is desirable, but not required.

To apply, please e-mail your cover letter and resume to: Zachary.Wilhoit@ethnichtechnology.com.

OCT 12-197

NEW YORK, ALBANY

Assistant Professor Geography & Planning.

The Department of Geography and Planning at the University at Albany invites applications for a tenure-track, assistant professor position specializing in **geographical remote sensing of the physical environment** for appointment in September 2013. Required qualifications include: 1) a doctoral degree in geography at the time of appointment and 2) the ability to teach remote sensing courses at the graduate and undergraduate levels. Preference will be given to those candidates demonstrating interest and ability in acquiring external funding for theoretical and/or applied research in remote sensing of the environment. A detailed job description and instructions on how to apply can be found at <http://albany.interviewexchange.com/jobofferdetails.jsp?JOBID=34298>.

The University at Albany is an EEO/AA/IRCA/ADA employer.

OCT 12-194

*NEW YORK, BINGHAMTON

Department of Geography at Binghamton University. **Assistant/Associate Professor of Physical/Environmental Geography** (tenure track) beginning September 2013. Conduct research/teach in 2 or 3 of the following: Water Resources, Physical Geography, Natural Hazards, Resource Conservation/Management, Land Use Analysis, with analytical skills in GIS and/or Remote Sensing; strong analytical background in spatial analysis; advise MA students and undergraduate students. Regional or area specialty desirable. Ph.D. required. Appointment rank dependent on experience.

Apply: CV, representative paper or article, name of three references to: Dr. Eugene Tettey-Fio, Search Committee Chair, Department of Geography, PO Box 6000, Binghamton University, Binghamton, NY 13902. Closing date: January 10, 2013.

Strongly committed to affirmative action. Recruitment conducted without regard to race, color, sex, religion, age, disability, marital status, sexual orientation, or national origin.

NOV 12-221

*NEW YORK, HAMILTON

The Department of City and Regional Planning at Cornell University invites applications for **two tenure-track faculty appointments** to begin in July 2013. We seek applicants who will strengthen our efforts to integrate: urban design, land use planning, historic preservation,

real estate studies, planning theory and practice in domestic and international settings. Appointments may be made at all ranks.

Position #1 Land Use: We seek applicants with research, teaching and professional expertise in **land-use planning at the city or regional scale**. Applicant expertise may include: public/private project planning, legal aspects of land use, the land-use/environment nexus, or planning support systems. Applicants should have experience in addressing planning and land use issues in the U.S., but we welcome applicants with comparative international experience. We anticipate that the candidate for this position will be able to teach a combination of studio, workshop and classroom courses. To be considered for the Land Use Position apply at: <https://secure.interfolio.com/apply/15853>.

Position #2 Urban Design: We seek applicants with research, teaching and professional expertise in **urban design as the theory and practice of place-making** at various scales in U.S. and international settings. Applicants should demonstrate expertise in built environment interaction with ecological, social, political, and economic life and urban design techniques, including digital visualization. We anticipate that the candidate for this position will be able to teach a combination of studio, workshop and classroom courses. To be considered for the Urban Design Position apply at: <https://secure.interfolio.com/apply/15850>.

Cornell University is an equal opportunity, affirmative action educator and employer. Further information about Cornell, the department, and CRP students, alumni, and faculty may be found at: <http://www.crp.cornell.edu> or email: crpsearch@cornell.edu.

NOV 12-227

*NEW YORK, NEW YORK

Data Visualization Specialist/Data Scientist.

The Spatial Information Design Lab at the Graduate School of Architecture, Planning, and Preservation (GSAPP) is seeking candidates for full-time Associate Research Scientist/Scholar positions focusing on Data Visualization and Data Science. The jobs involve working on "The Advanced Data Visualization Project" beginning November 2012 through August 2013, with the possibility of renewal of contract. This is an interdisciplinary project being hosted at the GSAPP at Columbia University, and is being directed by Laura Kurgan, Associate Professor of Architecture and Director of the Spatial Information Design Lab, and David Benjamin,

Assistant Professor of Architecture and Director of The Living Architecture Lab at CSAPP.

Responsibilities will include mining and analyzing "big data," processing and possibly collecting data, and/or visualizing data in compelling and innovative ways. The work may include: A. working with professors across diverse disciplines in the University including Architecture and Urbanism, Journalism, Law, Statistics, Biology, Neuroscience, and Computer Science, as well as with data from Thomson/Reuters, and B. participating in an exhibition or publication project that will conclude the year's work.

Job requirements include a select combination of excellent visual design skills; data management and data analysis skills; proficiency with web development tools; experience with machine learning tools; conceptual familiarity with data sets of diverse sources; strong oral and written communication skills; careful attention to detail and persistent pursuit of accuracy and consistency; demonstrated experience with collaborative research; and supervisory experience.

Working knowledge of a range of the following tools is expected: Processing, Python, R, C++, Objective C, Access, Stata/SPSS, HTML, CSS, Javascript, D3, other web development languages, GIS (ESRI or Open Source), Adobe Suite, and APIs. We will pay special attention to any other innovative skills you might like to bring to the project.

Please let us know whether you consider yourself a Data Scientist, or a Data Visualization Specialist or a combination of these two. Candidates must have a Masters degree, or the equivalent, and two-three years related work experience. Master's level training in architecture, computer science, graphic design, spatial analysis, urban planning, or a related field is greatly preferred.

Please visit our online application site at <https://academicjobs.columbia.edu/applicants/Central?quickFind=56851> for further information about this position and to submit your application. You will be asked to submit your letter of interest, cv, four web links which demonstrate your work, or four 8.5 x 11 pages as a pdf to this link. Review of applications will begin immediately.

Columbia University is an Equal Opportunity/Affirmative Action Employer.

NOV 12-257

*NEW YORK, STATEN ISLAND

The Department of Political Science, Economics, and Philosophy at the College of Staten

Island invites applications for a tenure-track position as **Assistant Professor in Geographic Information Science** beginning Fall 2013.

Qualifications include a Ph.D. degree in geography or a closely related field is required at time of appointment. We seek a geographer with a strong teaching record with an ability to communicate geography to a diverse student body, research skills, and a commitment to GIS. Specialization in Urban, Population, or Environmental Geography that incorporate GIS applications is preferred. The successful candidate will be expected to design courses in preparation for the development of the Major and help to build the program. Salary range: \$55,017 - \$74,133; commensurate with experience.

To apply and view full job description and qualifications, please log on to www.cuny.edu. Navigate to "Employment", then "Job postings on line". Find Job ID # 6504. To be considered for this position, applicants must submit a letter of application, current curriculum vitae, and the names and contact information of three professional references by December 15, 2012. If you have difficulty with uploading multiple documents to the web site please send them to facultyrecruithss@csi.cuny.edu.

We are committed to enhancing our diverse academic community by actively encouraging people with disabilities, minorities, veterans, and women to apply. We take pride in our pluralistic community and continue to seek excellence through diversity and inclusion. EO/AA Employer.

NOV 12-255

*NORTH CAROLINA, GREENVILLE

The Department of Geography at East Carolina University invites applications for a tenure-track appointment in **Human Geography** at the rank of **Assistant Professor** to begin August 12, 2013. A wide range of specializations and methodological approaches will be considered, with preference for candidates complementing department strengths in the areas of rural development, environmental change and global socioeconomic transformation. A PhD is required at the time of appointment.

The successful candidate will exhibit excellence in enhancing student learning and achievement and contribute to the future development of the human geography curriculum at undergraduate and graduate levels. Candidates are expected to demonstrate an ability to develop a strong publication record and secure extramural

funding in support of research and teaching. The Department values community outreach and the scholarship of engagement, and expects appropriate professional and university service.

The Department of Geography is a diverse, research-active, and collegial unit that houses five undergraduate degree programs, and offers the MA in Geography. Faculty research strengths include human-environment interactions, rural and regional development and planning, coastal science and policy, geomorphology, and atmospheric science. Faculty have strong links to several multidisciplinary programs and centers on campus, including the Institute for Coastal Science and Policy, the Center for Sustainable Tourism, and the Center for Natural Hazards Research. More information about the department can be found at <http://www.ecu.edu/geog/>.

East Carolina University is a member of the 16-campus University of North Carolina System. It is classified as a Doctoral/Research-Intensive University, and enrolls around 27,000 students, with over 5,500 pursuing graduate and professional degrees. ECU is located in Greenville, NC (pop 84,000), which lies about 80 miles east of Raleigh and is also a short distance from the Atlantic coast.

Apply: Applications must be submitted online at www.jobs.ecu.edu. Applications should include: a cover letter, curriculum vitae, a statement of teaching and research direction, evidence of teaching effectiveness, and the names and contact information for three current references. Questions may be addressed to Jeff Popke, search committee chair (popkee@ecu.edu or 252-328-6078). Review of applications will begin December 3, 2012 and continue until the position is filled. ECU is an EEO/AA employer.

NOV 12-237

NORTH CAROLINA, GREENVILLE

The Urban and Regional Planning Program in the Department of Geography, East Carolina University, is seeking to fill a tenure-track position at the rank of **Assistant Professor** beginning August 2013. The successful candidate will teach core planning courses and electives at the graduate and undergraduate levels. Primary research and teaching interests are sought in **environmental planning, coastal planning and management, or landscape and land use planning**. Ph.D. in planning or related field required. Preference for candidates with AICP or ASLA certification, teaching experience, a productive publication record, and evidence of funded research potential.

Salary is competitive and commensurate with experience. The Urban and Regional Planning Program (<http://www.ecu.edu/plan/>) offers a B.S. degree in urban and regional planning.

Apply: complete a candidate profile and submit a letter of application, description of teaching interests and research agenda, names for three letters of reference, and curriculum vitae online at www.jobs.ecu.edu (vacancy # 936419). For questions, contact Dr. Tom Allen, search committee chair, allenth@ecu.edu or 252-328-6624. Screening will begin November 7, 2012.

Applications will be accepted until the position is filled. East Carolina University is an Equal Opportunity/Affirmative Action University that accommodates individuals with disabilities. Proper documentation of identity and employability is required at the time of employment.

OCT 12-207

*NORTH CAROLINA, WILMINGTON

The Department of Geography and Geology at the University of North Carolina Wilmington invites applications for a tenure-track **Assistant Professor** position in **Applied Geography / Geospatial Analysis** to begin August 2013. We seek an individual who applies geospatial techniques to geographic problems at the interface of nature and society, such as natural hazards, natural resources, coastal processes, global change studies, or urban/rural development.

The successful candidate is expected to demonstrate the potential for teaching excellence at the undergraduate and graduate levels in applied geography and a topical or regional research specialty, to recruit and advise graduate students, to establish a vigorous, externally funded research program, and to complement our emerging directions and strengths in GIS/Remote sensing, coastal processes, geohazards, and paleoclimatology. A Ph.D. in geography, geoscience, or a related field is required.

To apply, complete the online application at <http://consensus.uncw.edu>. A letter of application, brief statements of teaching and research interests, a curriculum vitae, unofficial copies of graduate transcripts, and contact information, including e-mail addresses, for three professional references should be uploaded as MS Word or PDF files.

For questions concerning the position, contact search committee chair Dr. Joanne Halls at hallsj@uncw.edu. For questions concerning the online application process, contact Ms. Cathy Morris, morris@uncw.edu, (910) 962-3736. Priority consideration will be

given to applications received by January 4, 2013, but applications will be accepted until the position is filled. For further information see www.uncw.edu/ears. Vacancy # 13F035. Position # 6025.

UNCW actively fosters a diverse and inclusive working and learning environment and is an equal opportunity employer. Qualified men and women from all racial, ethnic, or other minority groups are strongly encouraged to apply.

NOV 12-259

*OHIO, ATHENS

The Department of Geography at Ohio University invites applications for a full-time tenure-track position in **Synoptic and Mesoscale Meteorology** at the rank of **Assistant Professor** effective August 2013. The candidate should be an individual committed to excellent teaching, developing an externally funded research program supporting undergraduate and graduate students, and contributing to the strengths within the Department of Geography. We are seeking a meteorologist with a solid research and teaching agenda in synoptic and mesoscale meteorology and other courses according to the candidate's specialty and departmental needs. The finalist should also possess a commitment to take a leadership role in mentoring undergraduate students majoring in geography-meteorology and advising geography master's students focusing on atmospheric science. A Ph.D. in Geography, Atmospheric Sciences, or an allied field at the time of appointment is required.

Ohio University is a four-year Research-Extensive public institution of approximately 20,000 students located in Athens, a progressive community situated in the rolling hills of southeastern Ohio. The Department of Geography currently has 13 full-time tenured or tenure-track faculty members, 176 undergraduate majors and 17 master's students, and offers a range of degree programs including environmental geography, GISc, urban planning, environmental pre-law, and meteorology. The meteorology program currently has 66 undergraduate majors. The department enjoys excellent teaching, research, IT, and administrative support for its activities. The Scalia Laboratory for Atmospheric Analysis supports teaching and research in meteorology, climatology, and forecasting.

The completed online application must include a letter of application, curriculum vitae, evidence of research and teaching experience, and the names and contact information for three professional references. For more informa-

tion please visit us online at www.ohio.edu/geography. Ohio University is an affirmative action/equal opportunity employer that strives to enhance its ability to develop a diverse faculty and we seek a candidate with a commitment to working effectively with students, faculty, and staff from diverse backgrounds. Applications from women and persons from traditionally underrepresented groups are encouraged.

For full consideration please apply by December 15, 2012. Apply online at <http://www.ohiouniversityjobs.com/postings/4147>. Questions may be directed to Dr. James Dyer, Chair, Department of Geography, Ohio University, Athens OH 45701-2979. Voice: 740-593-1138. Fax: 740-593-1139. E-mail: dyer@ohio.edu.

NOV 12-222

OHIO, BOWLING GREEN

Remote Sensing, Bowling Green State University. The School of Earth, Environment & Society at Bowling Green State University invites applications for a tenure-track **Assistant/Associate Professor in Remote Sensing** beginning August, 2013. The school is comprised of the Departments of Geography, Geology, and Environment & Sustainability. We are seeking a person with research experience and teaching interest that is focused on the application of remote sensing to the broad field of energy resources, including exploration, development and environmental stewardship. The position will be filled at the Assistant or Associate Professor level.

Applicants must be committed to teaching courses related to energy resources and demonstrate ability and commitment to develop an independent externally funded research program. Salary for the position is competitive and commensurate with peer institutions for rank and position and in keeping with candidate experience and credentials. Extensive facilities to support research and teaching in GIS/Remote Sensing can be found at <http://www.bgsu.edu/departments/sees/>.

Applicants must have a Ph.D. from an accredited university. Candidates should send as a single PDF file with the following: a letter of application, curriculum vitae, statements of research and teaching interests, and the names of three references to Dr. Peter Gorsevski, Chair, Faculty Search Committee, School of Earth Environment & Society, Bowling Green State University, Bowling Green, OH 43403 or peterg@bgsu.edu. Finalists must provide a

transcript for the highest degree. Applications must be postmarked by December 14, 2012. BGSU is an AA/EO institution. Background check required for employment.

OCT 12-204

*OHIO, KENT

The Department of Geography at Kent State University seeks an **Urban Geographer** with interests in **urban sustainability and/or urban planning**. A specialization in statistical modeling, GIS and/or remote sensing related to urban geography is desirable (Qualifications: Ph.D. in Geography or a related field). The position will begin in August 2013.

This hire is part of a joint initiative in the field of Urban Ecology and Hydrology. The Departments of Geography, Biological Sciences, Geology and the College of Architecture and Environmental Design are hiring four tenure track faculty members to build upon existing strengths in each department and across colleges and to further develop our combined expertise and scientific leadership in understanding how human impact affects the well-being of ecosystems.

This initiative seeks to both enhance research productivity in this area and create cutting-edge interdisciplinary opportunities for the training of graduate and undergraduate students. The proposed cluster will mesh with strategic hiring plans of the participating departments and the Cleveland Urban Design Collaborative (CUDC) and represents a natural extension of ongoing collaborations. A rich collaborative environment within the University is supported by research and educational partnerships with multiple external partners throughout Northeast Ohio and outstanding research facilities. While this is a cluster hire, this urban position will sit within the Department of Geography. Faculty in the participating departments are highly productive researchers who have demonstrated success in attracting substantial grants and contracts to support their research programs. Combined, these units have over 80 students in doctoral degree programs, over 2000 undergraduate majors, and over 140 students in Master's and professional degree program majors. Further information is available on the website of each department: <http://www.kent.edu/cas/geography/>; <http://www.biology.edu/>; <http://www.cudc.kent.edu/>; and <https://www.kent.edu/geology/index.cfm>.

Successful applicants will be expected to develop highly productive research programs,

secure extramural funding, engage in collaborative research, direct theses and dissertations, and exhibit a commitment to excellence in undergraduate and graduate education. Positions are available at the Assistant Professor rank although applications for candidates qualified for higher academic rank are encouraged.

Review of applications will begin on October 31 and continue until the position is filled. Submit statements of research, teaching interests, and a current CV to position number 990277 at <http://jobs.kent.edu>. Please provide three letters of recommendation. These may also be uploaded to the Kent State site or submitted directly to the chair of the search committee, David Kaplan (dkaplan@kent.edu).

Kent State University is an Affirmative Action/Equal Opportunity Employer and encourages applications from candidates who would enhance the diversity of the University's faculty.

NOV 12-213

*OREGON, PORTLAND

The Geography Department at Portland State University invites applications for a full-time tenure-track position as an **Assistant Professor in Physical Geography** beginning September 2013. A PhD in geography, environmental sciences, or related fields is required at appointment. We seek outstanding candidates who will contribute to a tradition of high-quality teaching and research in Biogeography. Expertise in modeling ecosystem dynamics with respect to climate change is preferred. The successful candidate is expected to maintain an active research program in their area of specialization and to demonstrate potential to obtain external funding.

Teaching will span the range of introductory, advanced undergraduate, and graduate-level courses. The ideal candidate will be skilled in the teaching and application of spatial techniques. Geography is a founding member of the recently-established School of the Environment within the College of Liberal Arts and Sciences. The School is a collaborative effort of the Departments of Geography, Geology, and Environmental Science and Management, the Systems Science Program, the USCS Oregon Water Science Center, and the Institute for Natural Resources – Portland. Geography faculty members also participate in the campus-wide Institute for Sustainable Solutions and NSF-sponsored ESUR-IGERT (Ecosystem Services in Urbanizing Region - Integrative Graduate Education and Research Traineeship) program. The successful candidate will be

expected to work collaboratively with faculty across campus. Expertise in an inter-disciplinary research environment and strong communication skills are important.

The Geography Department offers undergraduate and master's degrees in Geography, a GIS minor, a Graduate Certificate in GIS, and a joint PhD in Earth, Environment, and Society through the School of the Environment. With over 30,000 students, PSU is the largest university in Oregon and enjoys a unique, downtown location, surrounding the southern end of a 12-block city park.

Applicants should submit, as a single PDF: (1) a letter describing how they would contribute to the Department's teaching and research program; (2) a complete curriculum vitae; and (3) the names and addresses (including e-mail and fax) of three to five referees. We will begin reviewing applications on December 12, 2012, and will continue until the position is filled.

PSU is an AA/EO Institution and welcomes applications from diverse candidates and candidates who support diversity. Read the full position description at <http://www.pdx.edu/hr/faculty-administrative-openings>.

Apply: Chair, Search Committee, Department of Geography, Portland State University; email: changh@pdx.edu (cc: luchtk@pdx.edu).

NOV 12-244

*PENNSYLVANIA, CARLISLE

Dickinson College invites applicants for a tenure-track position in **Environmental Science** in our Environmental Studies Department, commencing July 1, 2013. The successful candidate will be strongly interdisciplinary, with primary training in the natural sciences with a focus on aquatic systems. S/he will be expected to initiate an active research agenda, engage students in research, provide opportunities for service-learning, and build on our strong community-based research programs.

The faculty member will be expected to teach a section of our introductory environmental science course, offer an intermediate-level course on management and analysis of the aquatic environment, contribute to our First Year and senior seminar course offerings, and offer courses in his/her area of interest, all in rotation with existing faculty. We would welcome a focus in watershed management, water resources, limnology, aquatic systems restoration, wetlands ecology, freshwater ecology, estuarine studies, water pollution science, or other related fields. The Ph.D. is required.

Dickinson College is a highly selective liberal arts college in South Central Pennsylvania with a national reputation for leadership in global and sustainability education. The Environmental Studies Department is one of the oldest in the nation, offering a wealth of research and co-curricular opportunities. The candidate will be expected to work closely with the Alliance for Aquatic Resource Monitoring (ALLARM), a co-curricular project of the Environmental Studies Department (<http://www.dickinson.edu/allarm>).

Applications should include a statement of interest, curriculum vitae, a brief statement (no more than 500 words) of your personal teaching philosophy, and contact information for three references. Application materials should be submitted at: <https://jobs.dickinson.edu>. Further inquiries may be forwarded to Professor Ashton Nichols, nicholsa@dickinson.edu. Review of candidates will begin on November 15 and continue until December 15, 2012.

Dickinson College is committed to diversity, and we encourage candidates who will contribute to meeting that goal to apply. Applications and nominations of women and minorities are strongly encouraged.

NOV 12-210-1

*PENNSYLVANIA, LANCASTER

Franklin & Marshall College, Environmental Studies. Applications are invited for a tenure track faculty appointment as **Instructor or Assistant Professor of Environmental Studies**, beginning in July 2013. The successful candidate will teach the following undergraduate courses: a core introductory course in Environmental Studies (ENV 117), a mid- to upper-level policy course, and mid- or upper-level courses in the applicant's specialty. A senior seminar for Environmental Studies majors is desirable. Teaching may include participation in the College's general education "Foundations" or First Year Seminar programs. The candidate should have an active research program in an area of broad interest in a liberal arts college environment, for example, in land use, energy policy, water resources, air quality, climate policy or agricultural policy; but the department is seeking the strongest candidate in any environmental studies specialty that supplements departmental strengths. Teaching load is 3/2. A Ph.D. in hand by 1 July 2013, teaching experience, and an ongoing program of scholarly research involving undergraduates where this is possible and appropriate, are required.

Apply: Please send letter of application, curriculum vitae, graduate transcripts, (undergraduate transcript optional), three letters of recommendation, teaching statement, research statement and teaching evaluations to: James E. Strick, Chair, Department of Earth and Environment, Franklin & Marshall College, P.O. Box 3003, Lancaster, PA 17604-3003. Application materials may be sent electronically to envjobs@fandm.edu or by fax to (717) 291-4186. Review of applications will begin on November 15, 2012.

Franklin & Marshall College is committed to having an inclusive campus community, and as an Equal Opportunity Employer, does not discriminate in its hiring or employment practices on the basis of gender, race or ethnicity, color, national origin, religion, age, disability, family or marital status, or sexual orientation. EOE.

NOV 12-211-1

PENNSYLVANIA, LEWISBURG

Bucknell University's Latin American Studies Program invites applications for a full-time, tenure track position in **Latin American Studies** to begin August 2013. PhD at time of appointment is preferred. ABD status is required. The successful candidate will be a Latin Americanist with interests in interdisciplinary work in the Social Sciences and/or Arts and Humanities, a commitment to undergraduate teaching, potential for excellent scholarly or artistic work in Latin American Studies, research and/or teaching experience in Latin America, and fluency in Spanish and/or Portuguese. While we intend to hire at the Assistant Professor rank, outstanding senior candidates will be given full consideration. Senior candidates with sufficient experience may be considered for hire with tenure pending approval of departmental and university committees.

This position is open to any discipline and field of specialization within Latin American Studies. If all other criteria are equal, particular consideration will be given to candidates who evidence a specialization in one or more of the following: political/economic/historical perspectives on Latin America, Brazil, Afro-Latin American cultures, social movements, sub-regional studies, intellectual or religious currents.

Applications must be made online at: www.bucknell.edu/jobs. Online applications require a cover letter, CV, a teaching portfolio (including teaching philosophy, sample syllabi, and course evaluations), a research portfolio (including a statement on the candidate's scholarly agenda

and one writing sample), and three letters of reference.

More detailed guidelines on submissions can be found at the Jobs at Bucknell website listed above. Review of applications will begin on October 15, 2012 and will continue until the position is filled.

Bucknell University values a diverse college community and is committed to excellence through diversity in its faculty, staff and students. Bucknell University welcomes applications from women and minority candidates. Bucknell University is an EEO Employer.

For additional information on Bucknell University, see www.bucknell.edu.

Apply Here: <http://www.Click2Apply.net/d85wmk7>.

OCT 12-181

PENNSYLVANIA, LEWISBURG

The Environmental Studies Program at Bucknell University invites applications for an **Assistant Professor** position in **Environmental Humanities** to begin August 2013. The successful candidate will bring a strong background in humanistic aspects of environmental studies to a well established interdisciplinary undergraduate program and facilitate the incorporation of humanities into the core of the curriculum. Candidates should have a PhD in humanistic environmental studies or a humanities discipline with a clearly evident environmental focus.

A completed PhD at time of appointment is strongly preferred, but ABD candidates will be considered. A strong commitment to undergraduate teaching and demonstrated potential for excellent scholarly work in environmental humanities are also required. The person chosen to fill this position will teach 5 courses per year including contributions to the 3-course core sequence in the curriculum. Additional courses will include offerings in the candidate's area of expertise as well as periodic introductory courses for non-majors. More information about the environmental studies curriculum can be found at <http://www.bucknell.edu/x46096.xml>.

Applications must be made online at: www.bucknell.edu/jobs. Online applications require a cover letter, CV, a teaching portfolio (including teaching philosophy, sample syllabi, and course evaluations), a research portfolio (including a statement on the candidate's scholarly agenda and one writing sample), and three letters of reference. More detailed guidelines on submissions can be found at the Jobs at Bucknell website listed above. Review of applications will begin

on November 1, 2012 and will continue until the position is filled.

Bucknell University values a diverse college community and is committed to excellence through diversity in its faculty, staff and students. Bucknell University's integrated environment for student learning and growth supports the goal of diversity and builds connections to a global society.

Apply Here: <http://www.Click2Apply.net/5gdk7zd>.

OCT 12-189

PENNSYLVANIA, MANSFIELD

Geography/Geology tenure-track Instructor or Assistant Professor (f13-TT-2012). Responsibilities: Assist in supervising our undergraduate concentration in Environmental Science. Teach Physical Geography, Physical Geology, Weather & Climate and some combination of Map & Air Photo Interpretation, Geomorphology or Environmental Geology. Opportunity exists to develop classes in applicant's specialty. Develop and assess student learning outcomes for courses taught.

Minimum requirements: Physical Geographer with an earned doctorate in Geography or a closely related field from a regionally accredited (or foreign equivalent) university, with some background in Geology. Prior teaching or research experience (will include graduate teaching or research assistantship), and completion of a successful interview which includes a teaching demonstration required. An exceptional ABD candidate will be considered but must complete the doctorate within 18 months of hire to continue in position.

Additional Qualifications: Ability to adapt to changing technologies that support teaching and learning; excellent communication skills (both verbal and written); the ability to teach, evaluate, and advise students; evidence of relevant scholarly activity; ability to work collaboratively with others; and demonstration, through past accomplishments and behaviors, of the ability to support Mansfield University's principles and values of Character, Scholarship, Culture, Service (<http://www1.mansfield.edu/mansfield-creed>) and the University's strong student-centered vision and mission. Demonstration, through past accomplishment, of the ability to motivate and mentor students. Preferred: Knowledge of the natural gas industry. Other conditions of employment require verification of all earned degrees through the receipt of original transcripts and an acceptable background check report.

Essential Functions: Teaching and advising, continued scholarly growth, and service to the department, university, and community. Effective communication and use of electronic teaching technology. Work cooperatively with staff, faculty and administration. Ability to use software application programs such as word processing, spreadsheets, e-mail and effective use of phone, keyboard and other office equipment. May be required to lift, stand, walk, reach with arms, etc.

Status: Full-time, tenure track, position with an anticipated start date of August 2013. Instructor or Assistant Professor rank. Salary is competitive and dependent on qualifications and experience. Excellent faculty benefits: <http://hr.mansfield.edu/benefits.htm>.

Application Procedure: Submit via electronic application (<http://mansfield.edu/hr/employment-opportunities/>) a letter of interest that addresses how your qualifications/skills meet the department's needs as detailed by the position description. Other reasons for interest in this particular position may be provided. Include a statement of teaching philosophy and research interests; materials that provide evidence of effective teaching; curriculum vita; copies of undergraduate and graduate transcripts; and the names, addresses, emails and telephone numbers of three professional references. Review of applications begins October 15, 2012 and will continue until position is filled.

Setting: Located in the beautiful mountains of rural, north central Pennsylvania, Mansfield University is a member of the Pennsylvania State System of Higher Education, currently enrolling approximately 3,200 students, including more than 400 graduate students. Founded in 1857 as Mansfield Classical Seminary, Mansfield University is proud of its long tradition of preparing excellent teachers, as well as its more recent role as a public liberal arts university focused on leadership development. The university is located within Tioga County, home to five state and federal parks, seven lakes, and the 50-mile long gorge of the Pennsylvania Grand Canyon. The university is an hour south of the Finger Lakes wine region of upstate New York. See www.mansfield.edu.

OCT 12-205

*PENNSYLVANIA, UNIVERSITY PARK

Geography (GIScience). Tenure track faculty position at the rank of **Assistant Professor** specializing in geographic information science (GIScience). We are interested in candidates

who will strengthen the Department of Geography's research and teaching program and help build strong connections to other relevant science communities.

GIScience research in the Department is coordinated through the GeoVISTA Center (www.geovista.psu.edu), an interdisciplinary GIScience unit based in Geography involving several core faculty members and numerous related faculty from departments across campus. Candidates with research expertise in any area of GIScience will be considered. Excellence in teaching, research, and service is expected, as is extramural funding. Participation in the department's online programs, such as the Masters of Geographic Information Systems (MGIS), is also expected. Applicants should submit, in digital form: 1) a letter describing how they would contribute to the Department's teaching and research program; 2) a complete curriculum vitae; and 3) the names and addresses (including e-mail and fax) of three to five referees. Review of applications will begin December 1, 2012, but applications will be accepted until the position is filled. Applications from women and under-represented groups are encouraged. Ph.D. should be in-hand at time of application.

Apply: All applicants must submit their materials to Dr. Alexander Klippel, Chair, Search Committee, Department of Geography, The Pennsylvania State University, 302 Walker Building, University Park, PA 16802 Phone: (814) 865-3433; Fax: (814) 863-7943; E-mail: klippel@psu.edu.

Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

NOV 12-216

*TENNESSEE, JOHNSON CITY

Assistant Professor (Geography/Geology -2 positions available). The East Tennessee State University Department of Geosciences is a growing program that currently offers a Masters in Geosciences (concentrations in geospatial analysis and paleontology), and undergraduate degrees in Geography and Geology. The Department of Geosciences seeks to enhance its geospatial and geology programs by filling two 9-month tenure-track positions in Geography and/or Geology that will begin August, 2013.

Position responsibilities will include (1) undergraduate and graduate teaching and course development in geospatial analysis and/or geology; (2) undergraduate and graduate advisement, mentoring, and recruiting; and (3)

development of a productive research program. Minimum Qualifications: Applicants should have a doctoral degree in geography, earth science, geological sciences, or a related field and possess research and teaching experience in geospatial analysis and/or geology.

Successful candidates must have excellent oral and written communication skills along with excellent interpersonal skills, communicate effectively with students and colleagues, and have the ability to collaborate with research peers, other faculty, and members of the local community. Consideration will be given to ABD candidates provided that the degree will be conferred no later than June, 2013.

Preferred Qualifications: Candidates should demonstrate an on-going research record in at least one of the areas of geospatial analysis as it relates to physical geography, cultural geography, engineering and natural hazards, or in an area within geology that relates to geophysics, hydrology, basin analysis, geochemistry or other related fields. The successful geospatial candidate should be able to teach undergraduate and graduate courses in remote sensing, GIS, GIS modeling, cartography, and data analysis and the successful geology candidate must be able to teach core undergraduate and graduate geology courses and be able to offer courses in their specialty field. Candidates should be willing to develop online courses. Industry experience in either geospatial analysis or geology would also be advantageous.

To assure full consideration, submit (1) a detailed cover letter that describes teaching [philosophy, effectiveness, and experience; formal teaching evaluation documents are welcome] and research program [interests, plan, and experience], (2) a current vitae, (3) official student transcripts, and (4) three letters of recommendation sent by referees [at least one should address teaching].

Apply: Electronic submissions are to be sent to: <https://jobs.etsu.edu>. For additional information contact Dr. Mick Whitelaw, Search Chair: Email: whitelaw@etsu.edu, Ph. (423) 439-7528. Application review will begin December 1, 2012.

East Tennessee State University is an EEO/AA Employer and encourages applications from minorities, veterans, women, and individuals with disabilities.

NOV 12-220

TENNESSEE, KNOXVILLE

The University of Tennessee Department of Geography invites applications for a 9-month,

tenure-track position at the **Assistant Professor** level beginning in August 2013. We seek a new faculty member in **Physical Geography and Climatology** with research that complements and enhances existing departmental strengths. Specific areas of research could include (but are not limited to): climate change and variability, paleoclimatology, landscape climatology, and linkages between climate and human society. PhD in Geography or closely allied field required at time of appointment.

Candidates should have a strong commitment to research in climatology and physical geography, be capable of securing external funding, and be capable of high-quality teaching at the undergraduate and graduate levels. The successful candidate will join a dynamic department characterized by strong mutual support, shared governance, careful strategic planning, many shared research interests, excellent facilities, a tradition of internal and external collaboration, and collaborative ties to Oak Ridge National Laboratory. The department has a vibrant undergraduate program and strong MS and PhD programs. The Department of Geography occupies the Burchfiel Geography Building, at the heart of the campus, and additional research space in the Science and Engineering Research Facility and the Claxton Education Building. To learn more about the department, visit: <http://web.utk.edu/~utkgeog/>.

Applicants should send a letter of application highlighting their qualifications for the position, separate teaching and research statements, and a curriculum vitae, and arrange to have three letters of reference sent. Electronic applications are preferred and all files should be emailed to Ms. Norma Galyon (ngalyon@utk.edu). All inquiries should be directed to Dr. Henri D. Grissino-Mayer, Search Committee Chair, Department of Geography, University of Tennessee, Knoxville, TN 37996-0925 (grissino@utk.edu). Review of applications will begin November 1, 2012, but applications will be accepted until the position is filled. The Knoxville campus of the University of Tennessee is seeking candidates who have the ability to contribute in meaningful ways to the diversity and intercultural goals of the University.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment without regard to race, color,

national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, or covered veteran status.

OCT 12-184

*TENNESSEE, MEMPHIS

University of Memphis. The Department of Earth Sciences seeks candidates for a tenure-track **Earth Scientist** at the rank of **Assistant Professor**. The ideal candidate will apply geographic techniques, specifically remote sensing and spatial statistics, to Earth-surface processes, biogeography, and/or environmental change and the impacts on society. The successful candidate will develop an active research program and compete for external funding to support their research. The candidate will join an interdisciplinary faculty who are engaged in local, regional, national and international research, and mentor students in Baccalaureate, Masters, and Ph.D. degree programs and our GIS graduate certificate program. Visit our website at <http://www.memphis.edu/des/> for additional information.

Review of applications begins November 20, 2012, but may continue until the position is filled. Only electronic applications will be accepted. Please submit a letter of interest, vita, up to three significant publications with the applicant as author or co-author, statements of research and teaching philosophy, and the names and contact information of three references. The PhD is required at the time of appointment. The position start date is August 2013.

Apply: Upload application materials at <http://workforum.memphis.edu>. If you have questions, please contact Dr. Arleen Hill (aahill@memphis.edu) or Dr. Daniel Larsen (dlarsen@memphis.edu) Search Committee Co-chairs, Department of Earth Sciences, 109 Johnson Hall, University of Memphis, Memphis, TN 38152.

The University of Memphis is an Equal Opportunity/Affirmative Action/ Title VI/Title IX/Section 504/ADA/ADEA employer that strives to increase its ability to serve a diverse student population by enhancing its diverse faculty and staff.

NOV 12-256

*TENNESSEE, MURFREESBORO

College of Liberal Arts. Department of Geosciences. **Physical/Regional Geographer. Tenure-Track, Assistant/Associate Professor Rank.** Ph.D. in Geoscience required by start

date, August 1, 2013. The Geosciences Department of Middle Tennessee State University seeks a broadly trained physical and/or regional geographer. Excellence in teaching, research/creative activity and service is expected for all positions. MTSU seeks candidates committed to using integrative technologies in teaching. Teaching responsibilities include introductory geography and appropriate upper level courses, including GIS. Research, university/community service, and cooperative work with Department faculty and staff are expected. Salary dependent upon qualifications and experience. Position Starts August 1, 2013.

To apply for this position, go to <http://mtsujobs.mtsu.edu> and follow the instructions on how to complete an application, attach documents, and submit online. Review of applications begins 10/29/2012 and continues until position is filled. Rank and salary are commensurate with education and experience. Proof of U.S. citizenship or eligibility for U.S. employment will be required prior to employment (Immigration Control Act of 1986). Clerly Act crime statistics for MTSU available at http://police.mtsu.edu/crime_statistics.htm. EO/AA employer.

NOV 12-241

*TENNESSEE, MURFREESBORO

Middle Tennessee State University seeks applications for **Chair of the Department of Geosciences**. Administrative and educational responsibilities in a department of 16 faculty and staff. Undergraduate degrees (BS) are offered in both geology and geography; a Geosciences Masters in Professional Science, with a strong GIS component, begins this year. Earned PhD in Geology, Geography, or related (such as GIS, Geophysics, Geochemistry) required. Eligible for **rank of associate or full professor**, with immediate tenure considered. Geology or Geography specialization open, but should complement and not duplicate existing specialties.

Record of excellence in scholarship and teaching expected; some experience in administration (university department, industry, or government) required, some previous chair experience preferred. For information on the department go to www.mtsu.edu/geosciences.

To apply for this position, go to <http://mtsujobs.mtsu.edu> and follow the instructions on how to complete an application, attach documents, and submit online. Review of applications begins 10/29/2012 and continues until

position is filled. Rank and salary are commensurate with education and experience. Proof of U.S. citizenship or eligibility for U.S. employment will be required prior to employment (Immigration Control Act of 1986). Clerly Act crime statistics for MTSU available at http://police.mtsu.edu/crime_statistics.htm. EO/AA employer.

NOV 12-242

*TEXAS, LUBBOCK

The Department of Geosciences at Texas Tech University invites applications for a tenure-track **Assistant Professor** position in the field of **Geographic Information Systems/Science** to begin in Fall 2013. This position is part of an initiative designed to enhance the university's academic programs in geography and geospatial technology, including a new Graduate Certificate program in Geographic Information Science and Technology. The successful candidate will teach advanced undergraduate and graduate courses in GIS and courses in his or her area of interest, develop an active and extramurally funded research program, and supervise graduate students. A Ph.D. in Geography or related field is required at the time of appointment. Quality teaching, funded research, publications and supervision of graduate students are required for tenure.

The Department of Geosciences at Texas Tech is a large department with academic programs in Geology and Geophysics, Atmospheric Science, and Geography. Degrees offered include the BA and MS in Geography and the Ph.D. in Geosciences is adaptable for human and physical geography. The department maintains several fully-equipped instructional computer labs and technical support. The Esri university site license provides access to the full suite of ArcGIS software. Opportunities for collaborative research exist within the department, the Center for Geospatial Technology and other academic programs throughout the university. Applicants are encouraged to visit the department web site at www.depts.ttu.edu/gesc.

Apply: Review of applicants will begin on January 1, 2013 and continue until the position is filled. Applicants must apply through the Texas Tech University employment website (<http://jobs.texasstate.edu>), search for requisition 87104 and provide the required information. Afterwards, applicants should submit a letter of application, a description of research and teaching objectives, curriculum vita, and names and contact information (including e-mail addresses) of at least three references.

These documents may be uploaded through the employment website or mailed to: Dr. Jeff Lee, GIS Search Committee Chair (jeff.lee@ttu.edu), Department of Geosciences, MS 1053, Texas Tech University, Lubbock, TX 79409-1053.

Texas Tech University is an equal opportunity/affirmative action institution; women, minorities, veterans and persons with disabilities are encouraged to apply.

NOV 12-245

*TEXAS, SAN ANTONIO

University of Texas at San Antonio, Department of Political Science and Geography. Position Announcement: **Assistant Professor (Tenure-track) Environmental/Physical Geography**.

The Department of Political Science and Geography at the University of Texas at San Antonio (UTSA) invites applicants for a tenure-track position at the rank of Assistant Professor level in Environmental/Physical Geography, to begin Fall 2013.

Required Qualifications: All applicants must have a Ph.D. in Geography by August 31, 2013. The successful applicant will be able to: Demonstrate potential to conduct and publish scholarly research; demonstrate potential for quality teaching and development of the geography program in the University and community; and be committed to Department and University service. Preferred Qualifications: Primary or secondary research interest outside of the USA.

Responsibilities: Teach, advise and mentor students; teach undergraduate and graduate courses, including introductory physical geography. Upper division courses may include Conservation of Resources, Physiography, Weather and Climate, the Geography of Natural Hazards, and Remote Sensing, in addition to graduate courses in these topics as well as Environmental Policy. Courses will be offered at the UTSA Main or Downtown Campuses.

The Department of Political Science and Geography is a Department in the College of Liberal and Fine Arts. Its faculty has a strong reputation for excellence in teaching and research. UTSA is one of the fastest-growing components of the University of Texas System, and enrolls over 30,000 students at two campuses. It offers 49 M.A. and 22 Ph.D. degrees; a geography M.A. has been submitted for approval. San Antonio and the surrounding communities are culturally and physically rich laboratories for teaching, research, and community involvement. University classrooms are fully technology equipped and the Department

and College have new computer laboratory facilities.

Applicants should submit electronically in pdf format: Letter of application that specifies research and teaching interests and qualifications for the position; Current curriculum vita; Copy of graduate transcripts; Samples of written or published scholarly works (no more than three); Two syllabi for geography courses taught or proposed by the applicant; Teaching evaluations (if available).

Request three referees who are familiar with the applicant's work to email letters of recommendation directly to email address below, dated no later than November 29, 2012. Send electronic materials to: DPS&G@utsa.edu. Review of applications will begin on December 1, 2012 and will continue until position is filled.

UTSA is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply. Applicants who are selected for interviews must be able to show proof that they will be eligible and qualified to work in the United States by time of hire.

NOV 12-224

*TEXAS, SAN ANTONIO

University of Texas at San Antonio, Department of Political Science and Geography. Position Announcement: **Assistant Professor (Tenure-track) Urban Geography/Geographic Information Systems (GIS)**.

The Department of Political Science and Geography at the University of Texas at San Antonio (UTSA) invites applicants for a tenure-track position at the Assistant Professor level in Urban Geography/Geographic Information Systems (GIS) to begin Fall 2013. Required Qualifications: All applicants must have a Ph.D. in Geography by August 31, 2013.

The successful applicant should be able to: Demonstrate potential to conduct and publish scholarly research; demonstrate potential for quality teaching and development of the geography program in the University and community; and be committed to Department and University service. Preferred Qualifications: Primary or secondary research interest outside of the USA. Responsibilities: Teach, advise and mentor students; teach undergraduate and graduate courses, including Urban Geography. Upper division courses may include Urban Geography, Introduction to Urban Planning, Urban and Regional Analysis, Introduction to GIS, Advanced GIS, and Spatial Analysis.

Courses will be offered at the UTSA Main or Downtown Campuses.

The Department of Political Science and Geography is a Department in the College of Liberal and Fine Arts. Its faculty has a strong reputation for excellence in teaching and research. UTSA is one of the fastest-growing components of the University of Texas System, and enrolls over 30,000 students at two campuses. It offers 49 M.A. and 22 Ph.D. degrees; a geography M.A. has been submitted for approval. San Antonio and the surrounding communities are culturally and physically rich laboratories for teaching, research, and community involvement. University classrooms are fully technology equipped and the department and college have new computer laboratory facilities.

Applicants should submit electronically in pdf format: Letter of application that specifies research and teaching interests and qualifications for the position; Current curriculum vita; Copy of graduate transcripts; Samples of written or published scholarly works (no more than three); Two syllabi for geography courses taught or proposed by the applicant; Teaching evaluations (if available).

Request three referees who are familiar with the applicant's work to email letters of recommendation directly to email address below, dated no later than November 29, 2012.

Apply: Send electronic materials to: DPS&G@utsa.edu.

Review of applications will begin on December 1, 2012 and will continue until position is filled.

UTSA is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply. Applicants who are selected for interviews must be able to show proof that they will be eligible and qualified to work in the United States by time of hire.

NOV 12-225

VERMONT, MIDDLEBURY

The Geography Department at Middlebury College invites applicants for a newly created **GIS Teaching Fellows Program**, designed to encourage the expansion of GIS instruction across the liberal arts curriculum. We seek recent doctoral recipients or advanced ABD candidates from any academic discipline who have applied GIS in their doctoral research and have demonstrated excellence in undergraduate teaching.

Middlebury's GIS Teaching Fellows will be appointed to a nine-month term, to begin in September 2013. In the fall semester, Fellows will assist Geography Department faculty in teaching the department's Fundamentals of GIS course. In addition, Fellows will participate in a weekly seminar focused on GIS pedagogy, during which each Fellow will develop a new GIS-based course related to his or her area of expertise. In the spring semester, the Fellows will jointly teach the Fundamentals course and their own newly developed courses. Teaching Fellows will be expected to be resident at Middlebury College from September through May.

Middlebury College is a top-tier liberal arts college with a demonstrated commitment to excellence in faculty teaching and research. An Equal Opportunity Employer, the College is committed to hiring a diverse faculty as we work to foster innovation in our curriculum and to provide a rich and varied educational experience to our increasingly diverse student body.

Review of applications will begin November 1 and continue until the position is filled. Middlebury College uses Interfolio to collect all faculty job applications electronically. Email and paper applications will not be accepted.

Apply: Through Interfolio, please submit a letter of application addressed to Professor Jeff Howarth, Teaching Fellows Search Chair, along with a current curriculum vitae, a one- to two-page description of a new GIS-based course with an applied or disciplinary focus, and three letters of recommendation, at least two of which address teaching ability. More information at: <https://secure.interfolio.com/apply/15005>.

OCT 12-201

*WISCONSIN, MADISON

Assistant Professor – Quaternary Geology. The Wisconsin Geological and Natural History Survey (WGNHS) invites applications for a tenure-track, assistant professor position in Quaternary geology. We seek candidates with outstanding research and outreach skills and the ability to establish an externally funded research program. Candidates should have a strong research background in the areas of glacial geology, geochemistry, geochronology, geomorphology and/or engineering geology to be applied to the study of Wisconsin's glacial deposits. A background in geologic mapping will be advantageous.

For details, visit <http://wisconsingeological-survey.org>. Application deadline is November 27, 2012. WGNHS conducts earth-science

surveys, field studies, and research. Our academic atmosphere, focus on research and outreach, and compact size set the WGNHS apart from most geological research organizations. AA/EEO Employer.

NOV 12-252-1

*WISCONSIN, WHITEWATER

University of Wisconsin-Whitewater. Tenure Track **Assistant Professor** beginning August 2013. Ph.D. required; ABD considered. Prior teaching experience preferred. The department seeks an **Economic Geographer** with expertise in areas that complement but not duplicate strengths in GIS and environmental, urban, and political geography.

Desirable specialties include but are not limited to business location analysis, environmental and natural resource economics, sustainable development, transportation, or rural development. Technical expertise in GIS and spatial analysis is required. Teaching duties will include core courses in the general education curriculum (e.g. Global Perspectives) and courses in Economic Geography and Business GIS. The candidate is also expected to develop upper-level courses in areas of expertise. In addition, we desire someone with practical business experience, a willingness to engage with private-sector partners, and the ability to establish internships for our students. A regional specialty outside North America is a plus but not required.

This position requires a strong commitment to undergraduate education, which includes involvement in the department's internship program and the University's undergraduate research program. Candidates must have experience and be able to work with a diverse population. In addition, the successful candidate will have an active research agenda, seek external research funding, and publish scholarly articles.

UW-Whitewater is a comprehensive public university with an enrollment of 12,000 students. It offers high quality, career-oriented programs integrated with a general education curriculum. The institution is part of the 26-campus University of Wisconsin System. Located within a community of 15,000 residents near the Kettle Moraine in southeastern Wisconsin, Whitewater is within commuting distance of Madison, Milwaukee, and Chicago. The Geography and Geology Department is housed in the recently renovated and expanded Upham Hall, which features state of the art research and teaching facilities. The position offers the opportunity to

join and contribute to a vibrant undergraduate program with more geography majors than any other university in the UW System.

Apply: Send letter of application highlighting teaching and research interests, qualifications and experience, curriculum vitae, non-certified transcripts, and three letters of reference electronically to: Dr. Eric Compas, Chair, Search Committee, Department of Geography and Geology. Voice 262-472-5126. Fax 262-472-5238. Email compase@uw.edu.

Evaluation of applicants will begin on December 15, 2012 and continue until the position is filled.

UW-Whitewater is an AA/EEO Employer, and actively seeks and encourages applications from women, underrepresented groups, persons with disabilities, and all veterans. Names of applicants may be disclosed unless requested otherwise. Names of finalists will be released. Criminal background check required.

NOV 12-231

INTERNATIONAL

CANADA, LONDON

The Department of Geography at Western University, London, Ontario, Canada is seeking a faculty member at the rank of **Assistant Professor (probationary) or Associate Professor (probationary or tenured)** in the area of **Development Geography**.

We seek an outstanding individual with demonstrated commitment to excellence in research, teaching and service. The candidate must have (or be near completion of) a PhD and a strong record of scholarly activity and shown leadership in their research area. The candidate should be capable of supervising graduate student research, teaching graduate and undergraduate students, obtaining external funds and conducting research on international development. All faculty are expected to participate in administrative committees at the level of the department, faculty and/or university, including service external to the university.

Candidates who can complement areas of Departmental and Faculty strength – such as environment, development and health; urban studies; and population and migration – are particularly encouraged to apply. Regional specialization is open to any area of Asia, Africa, or Latin America and the Caribbean. Working relationships with organizations in relevant fields is also desirable.

The appointment will be effective July 1, 2013. The appointment is subject to final budgetary approval. Salary will be commensurate with experience. Further information about the Department may be found at: <http://geography.ssc.uwo.ca>.

Apply: Applications, including a statement of research and teaching interests, current curriculum vitae and the names and addresses of three referees, together with their e-mail, fax and telephone numbers, should be sent to: Prof. Dan Shrubsole, Chair, Department of Geography, Social Science Centre, Western University, London, Ontario, N6A 5C2, Canada. Tel: (519) 661-3126 [begin_of_the_skype_highlighting](#) [end_of_the_skype_highlighting](#); Fax: (519) 661-3750; E-mail: dashrubs@uwo.ca.

Closing date: November 30, 2012 or until position is filled. E-mailed applications will not be accepted. This position is subject to budgetary approval.

Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Western University is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, aboriginal people and persons with disabilities.

OCT 12-206

CANADA, TORONTO

The Department of Geography (in the Faculty of Arts) invites applications for a tenure-track position in **Environment and Urban Sustainability** at the **Assistant Professor** rank. A PhD (or equivalent) in Geography or a closely related field is required by time of appointment. The position will be effective August 1, 2013, subject to final budgetary approval. The position targets candidates specialized in Environment and Urban Sustainability with knowledge of quantitative analysis and is part of the Department's newly formed program in Environment and Urban Sustainability (EUS).

The Department of Geography offers two undergraduate programs (Geographic Analysis and EUS) that each lead to a Bachelor of Arts (BA) and offers a graduate program leading to a Master of Spatial Analysis (MSA). Faculty members also contribute to interdisciplinary programs including Environmental Applied Science and Management, Immigration and Settlement Studies, and Policy Studies. The Department also offers three GIS certificates

and has ties to the Centre for the Study of Commercial Activity and the Centre for Immigration and Settlement. The successful candidate will be encouraged to develop ties to the graduate program in Environmental Applied Science and Management.

Experience in establishing research partnerships with private and/or public sectors is beneficial. The successful candidate will have opportunities to teach at both undergraduate and graduate levels, contribute to the EUS program through effective teaching, research, and supervision, develop an externally-funded research program, and demonstrates an active publication record.

Ryerson is a thriving public university located in downtown Toronto, Canada, and has a full-time registration of nearly 28,000 undergraduate and 2000 graduate students as well as 61,000 continuing education registrations. For more information about the Geography Department see <http://www.geography.ryerson.ca>.

Review of applications will begin December 3, 2012 and will continue until the position is filled. Applicants should submit curriculum vitae, statements of research and teaching interests, samples of recent publications, and the names and contact information (e-mail address and telephone numbers) of five referees who may be contacted. Please note that applications by fax or e-mail cannot be accepted.

Apply: Applications/Inquires can be sent to: Dr. Brian Ceh, Chair, Department of Geography, Ryerson University, 350 Victoria Street, Toronto, Ontario, M5B-2K3, e-mail: bceh@geography.ryerson.ca.

The position falls under the jurisdiction of the Ryerson Faculty Association (RFA). The RFA collective agreement can be viewed at: http://www.ryerson.ca/teaching/employment_resources/rfa.html. The RFA's website can be found at: <http://www.ryerson.ca/~rfa/>. A summary of RFA benefits can be found at: http://www.ryerson.ca/hr/benefits/benefits_by_group/rfa/

Ryerson University is strongly committed to fostering diversity within our community. We welcome those who would contribute to the further diversification of our faculty and its scholarship including, but not limited to, women, visible minorities, Aboriginal people, persons with disabilities, and persons of any sexual orientation or gender identity. All qualified candidates are encouraged to apply but applications from Canadians and permanent residents will be given priority.

OCT 12-195

*JAPAN, AKITA

Public University Corporation / Akita International University (AIU). Geography, Full-time Position. The Faculty of International Liberal Arts invites applications for a position in **Geography at the Lecturer, Assistant or Associate Professor level**, beginning April 1 or September 1, 2013.

Akita International University, in which the sole language of instruction is English, is a new university committed to the provision of a full international liberal arts curriculum located in Akita Prefecture, Japan. The University enrolls 800 Japan-based undergraduate students and 200 short-term international exchange students from all over the world. 60 Japanese and international students enroll in the professional graduate school. The successful candidate will join our multi-disciplinary Basic Education (BE) program, where s/he will offer foundational geography courses. However, there will be opportunities to teach more specialist, upper level courses to advanced students. For more information please refer to <http://www.aiu.ac.jp>.

The appointment will be made on a three-year, fixed-term contract basis, and is renewable up to two times, subject to mutual agreement. During this period, a decision on tenure will be made. Salary is competitive, commensurate with qualifications and experience. Generous benefits are also included as part of the remuneration, including partial housing allowance, health insurance, and a research fund allowance.

Responsibilities: Teach undergraduate courses in Geography; Advise individual students; Engage in scholarly research activity, preferably with an East Asia focus; Contribute to university and community service; Collaborate with colleagues on program development; Work effectively in a multicultural environment. The successful candidate is expected to teach the following courses: Introductory courses in human and physical geography; Regional courses related to East Asia and North America; Other courses will be considered depending on the expertise of the successful candidate.

Requirements for the position: An earned doctorate or equivalent qualification in Geography or a closely-related field; A record of excellent teaching; Evidence of scholarly research activity, preferably at an institution of higher education; Excellent communication skills. Prior experience of living or working in a multi-cultural environment, and a knowledge of Japanese language and/or culture are desirable.

Application Procedure: Qualified applicants should submit the following documents to the

address below. The initial deadline for complete applications is November 15, 2012 but applications will be accepted until the position has been filled. After screening, selected applicants will be invited to interview. 1. A cover letter; 2. Curriculum Vitae; 3. A short statement of teaching and research interests; 4. A sample of three works including at least one extensive research article; 5. Two letters of reference (These should be sent directly by referees to AIU, either by e-mail (from an institutional account or on institutional letterhead) or as hardcopy by mail.)

Geography Position Search Committee c/o Division of Academic Affairs, Akita International University, Yuwa, Akita-city 010-1292 JAPAN. Telephone: +81-18-886-5900; Fax: +81-18-886-5910; E-mail: positionai0809@aiu.ac.jp.

Application materials can be sent by e-mail or fax, if the originals follow in regular mail. These materials will not be returned and will be used for selecting a qualified candidate only.

NOV 12-261-1

*UNITED KINGDOM, ST. ANDREWS

The University of St. Andrews is celebrating its 600-year anniversary and is making strategic investments in personnel. As part of this, the Department of Geography and Sustainable Development is seeking to appoint **two Permanent Lectureships** (equivalent to Assistant Professor) in **Environmental Geography**.

We seek applications from candidates with, or who are close to achieving, a PhD in natural, field-based science, with expertise in understanding human impacts on natural processes and resources, and who are committed to supporting integrative research and teaching in geography and sustainable development that operates across social and natural science boundaries. We expect the appointees to work closely with social science colleagues in human geography and sustainable development, including the newly established Centre for GeoInformatics, in order to provide a comprehensive capacity to understand the risks to resilient, self-reliant and sustainable communities posed by anthropogenic environmental change. Applications from those interested in exploring with social science colleagues the policy and behaviour change implications of the use (misuse) of natural resources are particularly welcome.

Preference may be given to candidates able to offer research expertise in one of the following areas (but candidates with other expertise should not be discouraged from applying): **environmental risk assessment**, e.g. linked to flood or

drought hazard and management, or with respect to food insecurity resulting from changes to soil productivity; **environmental management** in relation to climate change impacts and implications for energy resources and demand.

The successful candidates will contribute to the development of the science base of the Sustainable

Development and GeoInformatics groups in the Department as well as contributing to research and teaching in Environmental Geography. The successful candidates will have strong research records commensurate with their experience.

For the full vacancy announcement and application procedure, please see: <https://www.vacancies.st-andrews.ac.uk>.

For details about the university and the department, please see: <http://www.st-andrews.ac.uk/gsd/>. Closing date: November 30, 2012.

NOV 12-251-1 ■

Grants and Awards Received

Soe W. Myint, Associate Professor in the School of Geographical Sciences and Urban Planning at Arizona State University, recently received three grants from NASA, NSF, and NASA, respectively. He serves as Lead PI for the three funded projects, which began August 2012.

The first grant, "Understanding Impacts of Desert Urbanization on Climate and Surrounding Environments to Foster Sustainable Cities Using Remote Sensing and Numerical Modeling," was awarded under NASA's Interdisciplinary Research in Earth Science Program – Impacts of Urbanization on the Environment. Overall goals of this project are to better understand the impacts of changing land cover spatial distribution, patterns and arrangements within and around desert cities in relation to climate change and to use this knowledge to support adaptive management and foster sustainable desert cities. Myint is Principal Investigator for the project, and Co-Investigators include **Ronald Rindfuss** (University of North Carolina and East-West Center), **Karen Seto** (Yale), **Ariane Middel** (Arizona State University), and **Huei-Ping Huang** (Arizona State University).

The second grant, titled "Wavelet Analysis of High Spatial Resolution Imagery for Urban Mapping Using Infinite Scale Decomposition Techniques" was awarded by the NSF's Geography and Spatial Sciences Program. The two-year project aims to develop a frequency-based, multi-scale classification algorithm using overcomplete wavelet transforms

(e.g., Daubechies and Coiflets) that can generate higher-level spatial arrangements of objects and features for detailed urban land categorization. The project will have an impact on spatial modeling and concepts that describe spatial association, spatial pattern, spatial regression, and segregation by adding decomposition procedures that can extract spatial features in different directions at infinite scale.

The third project, "Evaluation of Drought Risks and its Impact on Agricultural Land and Water Use to Support Adaptive Decision-making," received an award under NOAA's Climate and Societal Interactions Program (CSI). The overall goals of this study are to better understand how water use by crop type responds to drought conditions and to use this knowledge to support adaptive management in the agricultural sector and foster sustainable water use in an era of climate uncertainty and change. Myint is Principal Investigator for the project, and Co-Investigators include **Jan Hendrickx** (New Mexico Tech), **N.W. Bill Plummer** (Agri-Business Council of Arizona), **Elizabeth Wentz** (Arizona State University), **Rimjhim Aggarwal** (Arizona State University), and **Nancy Selover** (Arizona State University).

The Department of Geography at the University of Nevada, Reno has recently received several research awards focused on ecologic dynamics and climate change. **Thomas Albright** will lead a \$350,000 research and education

project selected by NASA's New Investigator Program in Earth Sciences, entitled "Desert Birds in a Warming World: Characterizing thermal stress with daily Earth observation data in complex terrain." The project team will use remote sensing, sensor networks, and modeling to better understand how extreme weather, climate change, physiology, behavior, and landscape heterogeneity affect avian biogeography and conservation.

Franco Biondi received two NSF awards, one for \$171,628 entitled "EAGER: Intra-seasonal wood anatomy to assess millennia-long regional climate reconstructions," and the other for \$344,999 entitled "Refinement of Historical Variability and the Baseline For Hydroclimatic Conditions Within the Walker Basin, Nevada/California: A Multi-Elevational Dendrochronological and Ecohydrological Approach."

Scott Mensing received an NSF award of \$526,000 for a project entitled "Understanding human responses to environmental change using a 2,500-year reconstruction of paleoecologic and socioeconomic history." This three-year multidisciplinary project combines an international team of scientists and historians who will utilize both paleoecologic data and historical archival texts in central Italy to examine how past societies responded to climate change. For more information see www.unr.edu/geography.

Grants and Awards Received should be sent to newsletter@aag.org.

Newberry Library Fellowships

The Newberry Library in Chicago, home to an extensive cartographic materials collection in addition to many other special collections, is accepting applications for both long and short term fellowships. Applications deadlines are **December 1, 2012** (for long-term fellowships) and **January 15, 2013** (for short-term fellowships). Details of these programs are available at www.newberry.org/fellowships.

NSF IBSS Research Awards

The NSF Directorate for Social, Behavioral, and Economic Sciences has announced a new competition to support Interdisciplinary Behavioral and Social Sciences (IBSS) research. The new competition will support emphasize the conduct of interdisciplinary research by teams of investigators in the social and behavioral sciences. Emphasis is placed on support for research that involves researchers from multiple disciplinary fields, that integrates scientific theoretical approaches and methodologies from multiple disciplinary fields, and that is likely to yield generalizable insights and information that will advance basic knowledge and capabilities across multiple disciplinary fields.

The two types of projects that may be supported by IBSS are IBSS large interdisciplinary research projects (with maximum award sizes of \$1,000,000) and IBSS interdisciplinary team exploratory projects (with maximum award sizes of \$250,000). The solicitation for the new IBSS competition is accessible as an HTML file at www.nsf.gov/pubs/2012/nsf12614/nsf12614.htm and as a PDF at www.nsf.gov/pubs/2012/nsf12614/nsf12614.pdf.

The proposal-submission deadline for the new IBSS competition is **January 23, 2013**.

Researcher team members who are interested in pursuing IBSS support should consult the solicitation. If they have additional questions, they should contact one of the program officers managing the IBSS competition, Thomas Baerwald (tbaerwal@nsf.gov) and Brian Humes (bhumes@nsf.gov). E-mail contact is preferred, and if

researchers want to determine whether a project may be appropriate for the IBSS competition, they should send a prospectus of not more than one page. The prospectus should briefly describe the conceptual framework of the project, the research methods that will be used, the composition of the researchers on the research team, and the anticipated intellectual merit and broader impacts of the proposed work.

Please note that the NSF's Geography & Spatial Sciences (GSS) program officers have a new, shared email alias: gssinfo@nsf.gov. This new email reaches all current GSS Program Officers, Antoinette WinklerPrins, Tom Baerwald, Kelley Crews, and Dave McGinnis.

Political Geography Dissertation Enhancement Award

The Political Geography Specialty Group (PGSG) Dissertation Enhancement Award is granted annually to PGSG student members. Two awards of \$1,000 each will be awarded at the discretion of the Dissertation Enhancement Award Committee. Interested students should prepare a mini-dissertation proposal for submission to the Dissertation Awards Committee. The competition is open to all Ph.D. students who are members of the PGSG.

The deadline for applications is **March 15, 2013**. Questions concerning the competition may be directed to the members of the Dissertation Enhancement Awards Committee: Robert H. Watrel, South Dakota State University, robert.watrel@sdstate.edu; Shannon O'Lear, University of Kansas, olear@ku.edu; Gabriel Popescu, Indiana University South Bend, gpopescu@iusb.edu.

Society of Woman Geographers Fellowships

The Society of Woman Geographers (SWG) announces two national fellowship programs for 2013-2014. Both are for women in geography and geographical aspects of other fields and are funded by SWG's Evelyn L. Pruitt Fund.

The SWG Fellowship Program invites applications from woman Ph.D. candi-

dates for the Pruitt National Fellowship for Dissertation Research. SWG expects to make two or three awards of \$8,000 to \$15,000 for 2013-2014. Applications are due **February 1, 2013**.

The SWG invites applications also for the Pruitt National Minority Fellowship. Minority women who have been admitted to and plan to enroll or are enrolled in a Masters program in geography are eligible to apply. One or two awards of \$1,000 to \$6,000 will be made for 2013-2014. The application deadline is **May 15, 2013**.

Application guidelines are available on the Society of Woman Geographers website www.iswg.org. Questions may be addressed to Dr. Ruth Shirey, SWG Fellowship Chair and Vice President at rishirey@verizon.net.

AGI Earth Sciences Teaching Award

The American Geosciences Institute (AGI) is accepting nominations for the Edward C. Roy Award for Excellence in Earth Science Teaching. Given annually, this award is presented to one full-time K-8 teacher in the U.S. or U.K. whose excellence and innovation in the classroom elevates students' understanding of the Earth and its many processes.

Applicants will be judged based on their dedication to and enthusiasm for teaching, as well as their expertise in crafting and delivering Earth science instruction to their students. The winner of the Edward C. Roy Award will receive a cash prize and an additional travel grant to attend the 2013 National Science Teachers Association Annual Conference in San Antonio, Texas, April 11-14, 2013.

To be eligible, applications must be postmarked by **January 10, 2013**. For more information on requirements, application procedures and deadlines, please visit www.agiweb.org/education/awards/ed-roy.

CAGIS Map Design Competition

The Cartography and Geographic Information Society (CAGIS) is soliciting submissions for its 40th Annual Map

Continued on page 52

Design Competition. The competition is open to all mapmakers for maps completed or published during 2012. Students are particularly encouraged to apply for the awards, sponsored by the National Geographic Society and Avenza-MAPublisher. The deadline for the 40th annual competition is **January 28, 2013** (maps must be received by this date). Submission forms are available at www.cartogis.org/awards.

Robert Raskin Mashup Mapping Competition

Sponsored by the AAG Cyberinfrastructure Specialty Group (CISG) and

hosted at San Diego State University, the first Robert Raskin Mashup Mapping Competition is now open. Cyberinfrastructure has been taking an increasingly important role in providing a Web-based collaborative environment to enable effective discovery of geospatial knowledge. The competition's goals are to (1) promote research and awareness of web-based GIS and Mashup applications, (2) encourage spatial thinking and the development of geospatial cyberinfrastructure in colleges and universities in the United States, and (3) inspire curiosity about geographic patterns and web map representation for

students and the broader public. The competition will take place during the AAG Annual Meeting in Los Angeles, April 9-13, 2013.

The deadline for submissions is **February 11, 2013**.

For detailed information about this competition and contest rules, please visit <http://mappingideas.sdsu.edu/mashup>. Questions, comments or suggestions may be addressed to: bmc@geography.sdsu.edu.

Of Note

Professor So-Min Cheong at the University of Kansas seeks graduate students to advise and assist with NSF CAREER funded research on "Community Adaptation to Changing Environmental Disasters" starting in Fall 2013. Strong qualitative or quantitative skills are desired. If interested, please send a resume and two writing samples to somin@ku.edu.

Officials from the U.S. Census Bureau and the University of Washington recently announced the opening of a new Census Research Data Center (RDC) within the University of Washington College of Arts and Sciences. As one of only 15 RDCs in the country, the UW facility will provide qualified researchers access to extensive Census Bureau data including demographic, economic, public health and household surveys. For information

about the U.S. Census Bureau's Center for Economic Studies and its research data center program see www.ces.census.gov.

Please note that the National Science Foundation's Geography & Spatial Sciences (GSS) program officers have a new, shared email alias: gssinfo@nsf.gov. This new email reaches all current GSS Program Officers: Antoinette WinklerPrins, Tom Baerwald, Kelley Crews, and Dave McGinnis.

The University of Illinois, Urbana-Champaign recently changed the name of its geography department and its undergraduate major to Geography and Geographic Information Science. According to the department's new chair, Sara McLafferty, the change achieves several goals: 1) it explicitly identifies us in national and international contexts as an academic program with research and

pedagogic strengths in GIScience, 2) it will help us attract undergraduates and graduate students seeking to specialize in GIScience, 3) it provides the University of Illinois with a clear leading unit in this important new area of knowledge, which has well-defined career opportunities for graduates, 4) it provides graduating majors specializing in GIScience with a degree that by title clearly reflects their training, and 5) it reflect the commitment of faculty in the department to sustaining and possibly growing this aspect of our program in the future. "Moreover, by retaining Geography in the title we will clearly indicate to other scholars in the geographic community and beyond that we do not solely specialize in GIScience, but continue to actively pursue research and teaching in many vital areas of scholarship encompassing geographical knowledge," McLafferty told the AAG *Newsletter*.

Esri's T3G Institute

The application period is open for Esri's fifth annual Teachers Teaching Teachers GIS (T3G) Institute, to be held at Esri headquarters in Redlands, California from June 16-21, 2013.

T3G Institute is a professional development event for educators who help other educators learn why and how to use GIS. Through modeling, practice, and discussion, participants boost their skills in teaching with computers, in problem-based

learning, in conducting professional development, and in using GIS.

T3G Institute is staffed by Esri personnel and renowned outside educators, creating a team with decades of collected experience in helping formal and informal educators learn how to teach with GIS in a wide array of settings.

Participants should already be comfortable with problem-based learning, teaching

with computers, and leading professional development for educators. Anyone not already comfortable using ArcGIS Online will develop those skills during T3G.

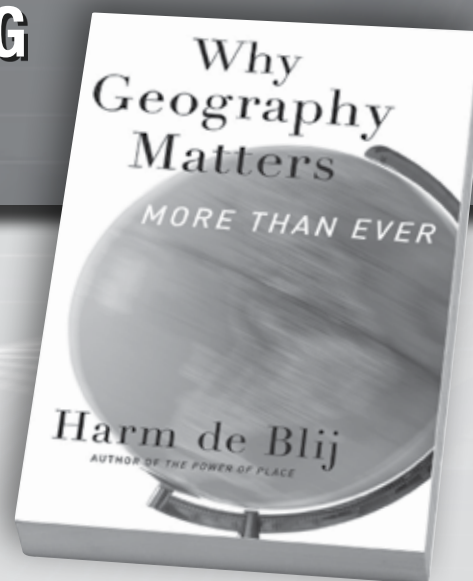
More information and the application instructions are online at <http://edcommunity.esri.com/t3g>. Application deadline is **November 30, 2012**.

NEW GEOGRAPHY PUBLISHING from Oxford

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Call for Papers

Colonial and Postcolonial Urban Planning in Africa

Organizers of the conference "Colonial and Postcolonial Urban Planning in Africa," to be held at the University of Lisbon, September 5-6, 2013, are seeking participants from a wide range of dis-

ciplines. A selection of papers will be published in an edited book and in peer-reviewed academic journals. Organizers hope to provide the opportunity for the development of an inter-disciplinary and inter-generational research network which might help to advance critical thinking

about urban planning in Africa. Abstracts are due before January 15, 2013 and should be sent to urbanplanningafrica@gmail.com. Notices of acceptance will be sent by e-mail by February 15, 2013. For details, see the conference website at <https://sites.google.com/site/cpcup2013conference>.

MOVING? HAVE YOU RECENTLY MOVED?

To update your address or contact info, visit the AAG website (www.aag.org) or fax this entire page to 202-234-2744 or mail to the AAG Office.

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AAG 2013 ANNUAL MEETING REGISTRATION FORM (www.aag.org)

Everyone who attends the AAG Annual Meeting must register. **You may use this form if you do not wish to register online, or if you wish to add events but have already registered for the meeting.** Space is limited for all events, field trips, and workshops. AAG reserves the right to cancel any event with insufficient enrollment. All fees are payable in US dollars, by check, money order, Visa, or MasterCard. All cancellation requests must be made in writing to meeting@aag.org by the stated deadlines. Cancellation requests received by December 10, 2012 will incur a 25% cancellation fee. Requests received by February 25, 2013 will incur a 50% cancellation fee. Requests received by March 25, 2013 will incur a 75% cancellation fee. *Requests received after March 25, 2013 cannot be processed.*

FIRST: _____ M.I. _____ LAST: _____

AFFILIATION: _____

ADDRESS: _____

CITY: _____ STATE: _____ POSTAL CODE: _____ COUNTRY: _____

E-MAIL: _____ DAYTIME PHONE: () _____

*NAME OF COMPANION/SPOUSE who is registering (please indicate if field trip is for companion/spouse): _____

[If you are a "companion/spouse" of a registered attendee, you MUST be registered for the meeting in order to register for a field trip]

Do you have any disabilities or special needs? Please explain: _____

I. REGISTRATION FEES

☐ Check here if you have already registered for the meeting.

**Those registering under the companion/spouse category may not present a paper or participate as a panelist or session organizer, and must submit a paper form via fax or mail (not online).*

	Before 3/15	After 3/15	
Regular Member	\$295	\$335	\$ _____
Member Student/Retired/Underemployed*	\$155	\$185	\$ _____
Non-Member	\$420	\$465	\$ _____
Non-Member Student	\$225	\$245	\$ _____
Companion/Spouse**	\$110	\$160	\$ _____
One Day Registration	\$225	\$245	\$ _____
TOTAL REGISTRATION FEES			\$ _____

*The AAG offers a reduced registration fee for our annual meeting to members who are unemployed or underemployed, with annual incomes less than \$25,000.

** Those registering under the companion/spouse category may not present a paper or participate as a panelist or session organizer, and must mail or fax a registration form.

II. FIELD TRIPS

Field Trips are still being confirmed. Please check back frequently for more information and field trip opportunities. Full descriptions will be available at www.aag.org. You must be registered for the meeting to attend a field trip.

	Quantity	Price
1. Light Rail/LB Harbor 4/9	_____ @ \$38	\$ _____
2. Santa Monica Mountains 4/10	_____ @ \$60	\$ _____
3. Across the Top of L.A. 4/11	_____ @ \$58	\$ _____
4. Whirlwind Downtown L.A. 4/11	_____ @ \$5	\$ _____
5. Tour of Dodger Stadium 4/12	_____ @ \$24	\$ _____
6. The Arroyo Seco 4/12	_____ @ \$6	\$ _____
7. Mojave River History 4/13- 4/14	_____ @ \$175	\$ _____
8. L.A. Cultural Neighborhoods 4/13	_____ @ \$60	\$ _____
TOTAL FIELD TRIP FEES		\$ _____

III. SPECIAL EVENTS/BOOKS

	Quantity	Price	Awards
Luncheon – individual ticket _____	@ \$55	\$ _____	Awards
Luncheon Table – 10 tickets _____	@ \$495	\$ _____	TOTAL
SPECIAL EVENT/BOOK FEES		\$ _____	

IV. WORKSHOPS

Workshops are still being confirmed. Please check back frequently for more information and workshop opportunities. Full descriptions will be available at www.aag.org. You must be registered for the meeting to attend a workshop.

V. ABSTRACT CDs

Abstracts are available online to all registrants at no charge. If you also wish to purchase an abstract CD, sign up here.

	Quantity	Price
2013 Meeting Abstract CD _____	@ \$25	\$ _____
TOTAL ABSTRACT CD FEES		\$ _____

SUMMARY/PAYMENT

I. REGISTRATION	\$ _____
II. FIELD TRIPS	\$ _____
III. SPECIAL EVENTS/BOOKS	\$ _____
IV. WORKSHOPS	\$ _____
V. ABSTRACT CD	\$ _____

GRAND TOTAL (U.S. Dollars Only) \$ _____

☐ Check for \$ _____ attached (Payable to AAG)

☐ Please charge \$ _____ to my VISA/MC Exp. Date: ____/____
(sorry, no AMEX or Discover)

Card # _____

Signature _____



Please register online at www.aag.org
or return this completed form along with payment to:

AAG 2013 Annual Meeting Registration
1710 16th Street, NW
Washington, DC 20009
Fax (202) 234-2744

2012

NOVEMBER

2-3. **Middle Atlantic AAG Division Meeting.** Salisbury, MD. <http://sites.google.com/site/aagmad>.

2-3. **Middle States AAG Division Meeting.** Shippensburg, PA. <http://departments.bloomu.edu/geo/msd>.

12-15. Annual Water Resources Conference. Jacksonville, Florida. www.awra.org.

15-18. American Studies Association Annual Meeting. San Juan, Puerto Rico. www.theasa.net/annual_meeting.

18-20. **SEDAAG Division Meeting.** Asheville, NC. www.sedaag.org.

27-30. Southeast Asian Geography Association 11th Biennial Conference. Singapore. www.seaga.info/seaga2012.

DECEMBER

4-5. National Transportation Safety Board (NTSB) Public Conference on Geographic Information Systems (GIS) in Transportation Safety. Washington, DC. www.nts.gov/news/events/2012/GIS/index.html.

10-11. Spatial Thinking Across the College Curriculum. Santa Barbara, CA. <http://spatial.ucsb.edu/events/meeting.php>.

13-14. Spatial and Social Transformation in Urban China. Hong Kong. www.hkbu.edu.hk/curs/2012conference.

2013

MARCH

14-15. 44th Annual South Dakota State Geography Convention, Brookings, SD. <http://studentorgs.sdstate.org/GeographyClub/index/html>.

APRIL

9-13. AAG Annual Meeting
Los Angeles, CA. www.aag.org.

JULY

7-12. Intr'l Medical Geography Symposium. East Lansing, Michigan. www.geo.msu.edu/imgs.

AUGUST

4-9. IGU Conference, Kyoto, Japan. www.igu-kyoto2013.org

26-30. RGS/IBG Annual Conference, London. www.rgs.org.

2014

APRIL

8-12. AAG Annual Meeting
Tampa, FL. www.aag.org.

2015

APRIL

21-25. AAG Annual Meeting
Chicago, IL. www.aag.org.

Call for AAG Field Trip Proposals

The AAG is seeking field trip proposals for the upcoming AAG Annual Meeting, to be held April 9-13, 2013, in Los Angeles. Participating in field trips is an excellent way to meet and interact with colleagues with similar interests.

Los Angeles and Southern California offer many interesting opportunities for field trips across a diverse range of geographic specialties and subfields. The wide scope of accessible interests includes wildlife, wineries, coastal processes, sustainable cities, demography, tourism, arid lands, borders, and postmodern urbanism. Although not known as a walking city, Los Angeles has become more pedestrian friendly over the past decade – just one of the many ways the city has changed dramatically since the last time it hosted an AAG Annual Meeting.

Field trip locations are likely to include Catalina Island, the Department of Power and Water, Griffith

Observatory, Anza-Borrego State Park, local wineries, and Venice Beach – these are merely a handful of numerous possibilities.

If you are interested in organizing a field trip for the 2013 AAG Annual Meeting, visit www.aag.org/annualmeeting for the appropriate submission forms or contact conference director Oscar Larson at olarson@aag.org for more information. The AAG assists organizers with arranging field trip logistics. Field trip proposals should be submitted by **December 1, 2012**.



Los Angeles will be the site of the 2013 AAG Annual Meeting, to be held April 9-13. See page 56 for hotel discounts.

CREDIT: WIKICOMMONS

In keeping with the AAG's effort to promote the fair and equal treatment of members, field trips organized by AAG members or specialty groups at the Annual Meeting will, as a rule, be open to all members. In instances where a member or specialty group wishes to organize a field trip that explicitly excludes any group of AAG members, the organizer will petition the AAG Council for an exception to this policy by the date when the field trip proposals are due. If Council grants the exception, notice will be given in the *AAG Newsletter*, along with an explanation of the reason for the exception. Please keep this rule of open access in mind as you organize your field trip.

See www.aag.org/annualmeeting for additional information about the 2013 AAG Annual Meeting. Deadline for the submission of abstracts is November 14, 2012. Online conference registration is now open. Special hotel rates are available to registered conference attendees.

Association of American Geographers
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Reserve Now to Lock in Hotel Discount Rate

AAG Annual Meeting, Los Angeles, April 9-13, 2013

Now is an excellent time to lock in your conference hotel discount rate by reserving your room today. Only limited blocks of rooms will be held for conference-goers attending the 2013 AAG Annual Meeting in Los Angeles. The AAG has arranged discounts for registered meeting attendees staying at the Westin Bonaventure Hotel, the Los Angeles Marriott Downtown, and the Millennium Biltmore Hotel Los Angeles. To get the discounted rate of **\$169 per night** at one of these hotels, you must reserve your room by first visiting the Annual Meeting website at www.aag.org/annualmeeting/hotels. Only registered meeting attendees qualify for hotel discounts.

Westin Bonaventure
(Annual Meeting Headquarters)
404 South Figueroa Street
Los Angeles, CA 90071
www.thebonaventure.com

Los Angeles Marriott Downtown
333 South Figueroa Street
Los Angeles, CA 90071
www.losangelesmarriottdowntown.com

Millennium Biltmore Hotel Los Angeles
506 South Grand Avenue
Los Angeles, CA 90071
www.millenniumhotels.com

AAG Abstract Deadline Extended to November 14, 2012

Abstracts for the 2013 AAG Annual Meeting must be submitted by November 14, 2012. Earlier submission is strongly encouraged. To register for the meeting and submit your abstract go to www.aag.org/annualmeeting. You must be registered for the meeting in order to submit an abstract. See www.aag.org/annualmeeting/call_for_papers for instructions on submitting an abstract. The 2013 AAG Annual Meeting will be held April 9-13 in Los Angeles. Special hotel rates (see above) are available to registered meeting attendees.