Midwest Undergraduate Geography Symposium

SATURDAY APRIL 27
9:00 A.M. - 3:00 P.M.
John B. Davis Lecture Hall
Macalester College
Saint Paul, Minn.

Keynote Address by:
Owen Furuseth
Associate Provost for Metropolitan Studies and Extended Academic Programs
& Professor of Geography
University of North Carolina at Charlotte

Hosted by the Macalester Geography Department
http://www.macalester.edu/academics/geography/studentopportunities/mugs2013/
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Welcome to Saint Paul and Macalester College!

The Department of Geography and the Epsilon Kappa Chapter of the Gamma Theta Upsilon (GTU) Honor Society is pleased to welcome you to Saint Paul and Macalester College. This 9th annual conference of the Midwestern Undergraduate Geography Symposium showcases applied and scholarly research of young geographers from a number of institutions in the Midwest. The conference represents the work of 50 students from 6 different schools and covers several of geography's sub-disciplines. This conference serves a number of purposes. It is a place to share research and ideas. It is an event to recognize individual achievement and explore personal and disciplinary frontiers. It is an opportunity to meet and learn from others. The conference offers a full day of events and is punctuated by a keynote address from distinguished geographer, Professor Owen Furuseth (University of North Carolina-Charlotte). We hope that you find this conference professionally stimulating and that you enjoy your time in Saint Paul.

**Holly Barcus, Associate Professor, Macalester College**

**Conference Faculty Advisor**

**Conference Planning & Organizing Committee**

**Lora Hlavsa ’13, GTU Epsilon Kappa Chapter Co-President**

**Conference Student Coordinator**

Lora Marie Hlavsa is a senior at Macalester College and originally hails from the mountainous region of Napa/Sonoma Valley, California. She is currently pursuing an undergraduate degree in Geography with a concentration in Urban Studies, as well as a minor in Studio Art. Her geographic interests include cultural and urban geography, specifically the role of art within urban communities, and tourism geography. She hopes to one day pursue a graduate degree in urban planning, but in the meantime plans on working in the Twin Cities.

**Agata Miszczyk ’13, GTU Epsilon Kappa Chapter Co-President**

**Conference Student Coordinator**

Agata is a senior Geography major and Environmental Studies Minor. She is interested in sustainable urban development, GIS, and open source mapping applications. At Macalester, Agata participated in GTU, lacrosse, and several planning committees. Next year, Agata will be attending graduate school at the University of Minnesota.
SCHEDULE-AT-A-GLANCE

9:00 - 9:20 AM
Check-in & Morning Refreshments

9:30 AM – 10:50 AM
Paper Session I

11:00 AM – 12:20 PM
Paper Session II

12:30 PM – 1:30 PM
Keynote Address & Boxed Lunch

1:30 PM – 1:45 PM
Poster Session - Q & A

1:50 PM – 3:10 PM
Paper Session III

CONFERENCE FACILITIES

Check-in & AM Refreshments – Campus Center (CC) - 2nd Floor
Session Rooms – CC 206, 214, and 215
Poster Session – CC Atrium – 2nd Floor
Keynote & Lunch – CC Davis Lecture Hall – Lower Level
Restrooms – CC Lower Level and 2nd Floor
MIDWEST UNDERGRADUATE GEOGRAPHY SYMPOSIUM

9:00 AM – 9:20 AM CHECK-IN AND AM REFRESHMENTS CC 2nd Floor Atrium

9:30 AM – 10:50 AM PAPER SESSION I

Session 1.1 GEOGRAPHY OF HEALTH CC 206
Session Moderator: Eric Carter, Macalester College

9:30-9:50am // Nikolas Martell, Macalester College, Contagious Disease (Mis) Management and the Right to Care in United States Correctional Facilities
9:50-10:10am // Joe Mueller, Univ. of St. Thomas, Access to Medical Devices: A Case Study of Florida
10:30-10:50am // Alyssa Ashbaugh, Macalester College, Effective Malaria Control Through an Integrated Approach

Session 1.2 THE CHANGING DEMANDS OF RURAL AMERICA CC 214
Session Moderator: Holly Barcus, Macalester College

9:30-9:50am // Merita Bushi, Macalester College, Migration and the Changing Demands of the Rural Health Infrastructure
9:50-10:10am // Sarah O’Connor, Macalester College, Choice Without Choices: Access and Barriers to Reproductive Justice in Rural Minnesota
10:10-10:30am // Aileen Clarke, Macalester College, Rural School Consolidation: Political Power Tool
10:30-10:50am // Natalie Westberg, Macalester College, The Latino Community in Mattawa, Washington: A Need for Equality and Representation in a Majority Latino Town

11:00 AM – 12:20 PM PAPER SESSION II

Session 2.1 GLOBAL COMMUNITIES AND ENVIRONMENTAL SUSTAINABILITY CC 206
Session Moderator: William Moseley, Macalester College

11:00-11:20am // Brianna Besch, Macalester College, From Local Actions to Global Solutions: Community-Based Adaptation to Climate Change in Bangladesh
11:20-11:40am // Marianna Zapanta, Claire Karban, and Elicia Cousins, Carleton College, 
*Nuclear Power and Environmental Justice: A Mixed Methods Study of Risk, Vulnerability, 
and the Victim Experience*

11:40-12:00pm // Frederik Bjoenness, Univ. of St. Thomas, *Neighborhood Quality in a Global Context*

12:00-12:20pm // Vinod Malwatte, Macalester College, *Empowering Local Communities and Protecting Ecosystems: CBE as a Sustainable Alternative to Large Scale Developments in Kalpitiya, Sri Lanka*

**Session 2. 2 THE BUILT ENVIRONMENT**

Session Moderator:  David Lanegran, *Macalester College*

11:00-11:20am // Marcus Wax, Univ. of North Dakota, *Integrating Select Industry into New Urbanism*

11:20-11:40am // Scott Vargo, Macalester College, *The Development and Planning Implications of ‘Main Street America’ in Theory and Praxis*

11:40-12:00pm // Evan Moorman, Macalester College, *The Olympics: Planning for the Urban Spectacle*

12:00-12:20pm // Chad Miller, Univ. of St. Thomas, *Where Should I Live? Analyzing Neighborhood Quality of Life in the Twin Cities*

**Session 2. 3 RURAL ECONOMIC DEVELOPMENT AND PARTNERSHIPS**

Session Moderator:  Holly Barcus, *Macalester College*

11:00-11:20am // Callie Tysdal, Macalester College, *Of Microbes, Mosquitoes, and Men: How Disney Animated Disease*

11:20-11:40am // Harry Kent, Macalester College, *The Effect of Extraction Economies on Business Development in Hibbing, Minnesota*

11:40-12:00pm // Shelby Maidl, Macalester College, *Sustainable Rural Development: An Examination of Mining and Tourism in Ely, Minnesota and the Boundary Waters Canoe Area*

12:00-12:20pm // Mulugetta Fratkin, Macalester College, *The Limits of Entrepreneurship in the Rural Midwest*
Owen Furuseth
Associate Provost for Metropolitan Studies and Extended Academic Programs
Professor of Geography
Department of Geography and Earth Sciences
UNC Charlotte

"Using Geography to Inform Public Policy: Stories from Charlotte, North Carolina."

1:30 PM – 1:45 PM  POSTER SESSION  CC 2nd Fl - Atrium

Posters will be on display 9:30 AM – 1:45 PM. Poster presenters will be available to answer questions from 1:30 PM – 1:45 PM.

Ryan Burke and Tom Tincher, Univ. of St. Thomas, Alternative Transportation Clusters in the Seven-County Metropolitan Area, Minnesota, 2013

Fartun Dirie, Univ. of St. Thomas, Measuring Quality of Life in the Twin Cities: Third Space and Traditional Neighborhood Institutions

Andre Henke, Univ. of St. Thomas, Nice Ride

Agata Miszczyk, Macalester College, Medical Metropolis: The Impacts of the Healthcare Industry on Rochester, MN

Joseph Molin, Univ. of St. Thomas, Nice Ride

Luke Nolby, Univ. of St. Thomas, Mapping Survival Resources Across Minnesota: Where To Run in the Event of a Societal Collapse

Miriam C. Russell, Univ. of Wisconsin-Eau Claire, A Spatial Analysis of Musician Locations in Metropolitan United States
1:50 PM – 3:10 PM  

PAPER SESSION III

Session 3.1 SUSTAINABILITY IN THE MIDWEST  
CC 206
Session Moderator: Mark Bjelland, Gustavus Adolphus College

1:50-2:10pm // Meg O’Halloran, Macalester College, Emeralds in the Rough: How Rust Belt Cities Can Embody the Sustainable Future
2:10-2:30pm // Nicholas Ronnei, Univ. of St. Thomas, Mapping Insolation in Minnesota: The New Sunshine State
2:30-2:50pm // Mitchell Schaps, Univ. of St. Thomas, Wind Power Potential in Minnesota
2:50-3:10pm // Jay Kidd and Emily Jorgensen, Univ. of St. Thomas, Analyzing Changing Patterns of Carbon Sequestration in Scott County, 1992-2006

Session 3.2 RURAL LANDSCAPES AND LIVELIHOODS  
CC 214
Session Moderator: Holly Barcus, Macalester College

1:50-2:10pm // Callie Tysdal, Macalester College, Rural Revelations: Identity as a Lens
2:10-2:30pm // Audrey Groce, Macalester College, A Taste of Culture: Food and Culinary Tourism in Rural Places
2:30-2:50pm // Jeffrey Kaplan, Macalester College, Geovisualizing Climate Change in Minnesota
2:50-3:10pm // Emily Engel, Macalester College, Land Access and Other Barriers to First-Time Farmers in the Midwest

Session 3.3 CULTURAL GEOGRAPHIES: A CASE STUDY APPROACH  
CC 215
Session Moderator: Eric Carter, Macalester College

1:50-2:10pm // Matt Bye, Gustavus Adolphus College, Parishes without Borders: Congregational Geography in Minneapolis and St. Paul
2:10-2:30pm // Fartun Dirie, Univ. of St. Thomas, Mental Maps: Gaining Insight into the Diverse Somali Perceptions of Residential Desirability in the Twin Cities
2:30-2:50pm // Chia Lee, Univ. of St. Thomas, The Rise of Obesity and Its Affect on the Increase of Fitness
2:50-3:10pm // Alex Schieferdecker, Macalester College, Pedal Talk: The Fall and Rise of Bikes and Bike Sharing in the Twin Cities
ACKNOWLEDGEMENTS

A special note of thanks to the Geography Department at the University of St. Thomas for co-sponsoring the keynote speaker. Professor Furuseth’s visit was made possible through the Visiting Geographical Scientist Program (VGSP).

Funded by Gamma Theta Upsilon (GTU), the International Geographical Honor Society, and managed by the AAG, the VGSP sponsors visits by prominent geographers to colleges and universities across the country. Its purpose is to stimulate interest in geography, especially in small departments that do not have the resources to bring in well-known speakers. Participating institutions select and make arrangements with the visiting geographer. The VGSP covers travel costs and provides a small honorarium; host institutions provide meals and housing.

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