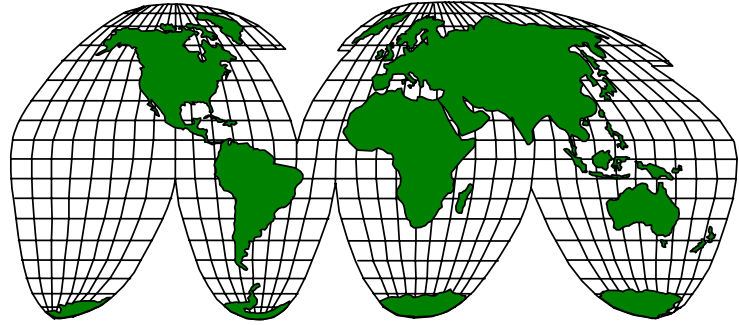


# The Isoline



Department of Geography  
The University of Connecticut

## Department of Geography University of Connecticut

### From the Chair, Jeffrey P. Osleeb

During this year, the Department of Geography at the University of Connecticut has undergone many changes one of which was my joining the Department as Head. I am an economic geographer with interests in transportation, environmental issues and Geographic Information Science. I previously taught at the City University of New York where I was chair of the Department of Geography and later Executive Director of the PhD Program in Earth and Environmental Sciences. This has been a very interesting, exciting and rewarding year for me. The best part was the collegiality I experienced at UConn from both my colleagues in the Department of Geography as well as from faculty in other departments at UConn.

The Department also saw the arrival of several other new faculty members. Ludevicus Claessens is finishing his degree in the combined program at the University of California, Santa Barbara and San Diego State University. His areas of interest include hydrology and GI Science. He teaches courses in Physical Geography and Hydrology. Heidi M. Dierssen is a jointly appointed faculty member in the Marine Sciences Department and the Geography Department. Dr. Dierssen holds a PhD in Geography from the University of California, Santa Barbara. Her areas of interest include Biological and Physical Processes of the Ocean and Remote Sensing. Heidi will teach a Remote Sensing course in the Department next spring. Anji Seth is a

Research Assistant Professor in the Department. Dr. Seth received her PhD from the University of Michigan in Atmospheric Sciences. Her most recent position was as Associate Research Scientist at the International Institute for Climate and Society, Columbia University. Her areas of interest include Climate Variability and Change and the Interaction of Societies with Climate. She teaches courses in Climatology and Climate Change.

I am also happy to announce that in August Dr. Nathaniel Trumbull will join the Department as an assistant professor at the Avery Point campus. Dr. Trumbull recently received his PhD in Geography from the University of Washington. He is interested in coastal pollution policy and will support the mission of the Coastal Studies and Maritime Studies programs at Avery Point. He will also teach one course per year on the Storrs campus.

This was Ellen Cromley's final year as a member of the faculty of the Department. Ellen decided that it was time to experience life outside academia. Ellen was a highly valued member of our Department. She is a scholar, recently coauthoring the book GIS and Public Health with Sara McLafferty. She was also a dedicated advisor and teacher. We wish her much success in all of her future endeavors.

Research productivity in the form of published peer reviewed papers remains strong with 13 papers including a paper in the prestigious Annals of the Association of American Geographers. In addition two book chapters were published. Externally funded grants and contracts significantly increased this year. Melinda Daniels

received grants from the National Science Foundation, the Connecticut Institute for Water Resources, NOAA/TNC, and NPS/Farmington River Coordinating Committee. Tom Lewis continues to receive support from the National Geographic Society for the Connecticut Geographic Alliance. Anji Seth received grants from USAID and NOAA for her climate change research. Finally, Tom Cooke was awarded a competitive visiting fellowship from ESRC (the UK equivalent of the NSF) to work at the Scottish Longitudinal Studies Centre.

This year the Department awarded 14 BA degrees. Three of our graduates (an extraordinarily large ratio) were elected to Pi Beta Kappa, the nation's oldest academic honor society. Krystal Kliger completed an undergraduate research project funded through UConn SURF, won a national GTU scholarship and is going to the MS program in NRME at UConn; Cory Gillette is going to the PhD program in Underwater Archaeology at URI to work with the internationally renowned Robert Ballard; Mike Boyer is going to Central Connecticut State University for an MA in Geography; Kristine Kelly won a Peoples Bank internship to work with The Nature Conservancy and Natalie Vibert chose to stay at UConn to work on her MA degree in Geography. Two MA students received their degrees and one PhD student, F. Tyler Huffman, (Robert Cromley, advisor) will receive his degree this summer and has accepted a tenure track appointment at Eastern Kentucky University permitting him to return to his native state. For the coming year, 11 new students have chosen the Graduate Program of the UConn Department of Geography to continue their education.

The GeoSeminar series sponsored by the Department and the student organization Friends of Geography had eight excellent presentations this year. Two prominent speakers were Dr. Paul Robbins, Department of Geography, University of Arizona who presented "Producing Wildlife: The Unintended Natures of Conservation in India" who spoke as part of the UConn Teale Lecture Series and Dr. Dr B. L. Turner, Milton P. and Alice C. Higgins Professor of Environment and Society, Department of Geography, Clark University who presented "Land Change Science and the Southern Yucatán." We are currently planning the GeoSeminar for next year and invite everyone to attend the GeoSeminar.

If you would like a copy of the schedule when it becomes available, please email me at [jeffrey.osleeb@uconn.edu](mailto:jeffrey.osleeb@uconn.edu).

Finally, the Geography Department is preparing to host the Second International Conference on Environmental Economic Geography: (ICEEG) in May 2007. The first conference was held in Cologne, Germany in 2005. This conference aims at providing a forum to further stimulate and disseminate research as well as discuss recent developments in the field of Environmental Economic Geography.

#### RECENT FACULTY PUBLICATIONS

**Claessens, L.**, C. Hopkinson, E. Rastetter, and J. Vallino (2006), "Effect of Historical Changes in Land Use and Climate on the Water Budget of an Urbanizing Watershed." Water Resour. Res., 42, W03426, doi:10.1029.2005WR004141.

Fedorko, E.J., R.G. Pontius Jr., S.P. Aldrich, **L. Claessens**, C. Hopkinson Jr., and W.M. Wollheim. 2005. "Spatial Distribution of Land Type in Regression Models of Pollutant Loading." Journal of Spatial Hydrology 5:2.

**Cooke, T.J.** 2005. "Migration of Same-Sex Couples," Population, Space and Place, 11(5): 401-409.

Philip J. Troped, **Ellen K. Cromley**, Maren S. Fragala, Steven J. Melly, Hope H. Hasbrouck, Steven L. Gortmaker, and Ross C. Brownson, 2006, "Development and Reliability and Validity Testing of an Audit Tool for Trail/Path Characteristics: The Path Environment Audit Tool (PEAT)," Journal of Physical Activity and Health, 3(Suppl. 1): S158-S175.

**R.G. Cromley** and **F.T. Huffman**. 2006, "Modeling Situation Factors used in MCE Procedures for Raster GIS," Transactions in GIS, Vol. 10, pp. 239-251.

**P.A. Fernald** and **R.G. Cromley**. 2005, "Equalizing Population Denominators for Australian Metropolitan Areas," Journal of Population Research, Vol. 22, pp. 79-88.

**R.G. Cromley.** 2005. "An Alternative to Maximum Contrast Symbolization for Classed Choropleth Mapping," The Cartographic Journal, Vol. 42, pp. 137-144.

**D.M. Hanink and R.G. Cromley.** 2005, "Geographic Change with Trade Based on Comparative Advantage," Annals of the Association of American Geographers, Vol. 95, pp. 511-524.

J. Corburn , **J. Osleeb**, and M. Porter . 2006, "Urban Asthma and the Neighborhood Environment," Health and Place 12(2): 167 – 179 (2006).

R.P. Nolan, M. Ross, G.L Nord, C.W. Axten, **J. Osleeb**, S. Domnin, B. Price and R. Wilson. 2005, "Risk Assessment for Asbestos-Related Cancer from the 9/11 Attack on the World Trade Center," Journal of Occupational and Environmental Medicine, Vol. 47, No. 8, pp. 817-825.

Meehl, G. A., J. M. Arblaster, D. Lawrence, E.K. Schneider, and **A. Seth**, 2006: "Monsoon Regimes in CCSM3," Journal of Climate, 19, 2482–2495.

Landman, W., **A. Seth** and S. Camargo, 2005: "The Effect of Regional Climate Model Domain Choice on the Simulation of Tropical Cyclone-like Vortices in the Southwestern Indian Ocean," Journal of Climate, 18, 1263-1274.

Mulligan, G. and **Vias, A.** 2006. "Growth and Change in U.S. Micropolitan Areas," Annals of Regional Science, 45(1):21-48

### **Book Chapters**

**Osleeb, Jeffrey P.**, "Integration of Socio-economic Information with Physical Data in the Coastal Zone using Geographic Information Systems," in Chile Litoral, edited by R. Hellman and R. Dujisin, FLACSO-Chile/IACERE, Santiago, Chile, 2005, pp. 277-294.

**Vias, Alexander C.**, and Nelson, P. 2006. "Restructuring, Globalization, and Altered Livelihoods." Chapter 4 in Population Change and Rural Society. Eds. Kandell, W. and Brown, D. Dordrecht: Springer.

### **Conference Proceedings and Presentations**

**Berentsen, William H.**, "Changing Regional Inequalities in United Germany," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Claessens, L.**, C. Tague, L. Band, and P. Groffman, "The Role of Small Stream in Controlling Nitrogen Export from an Urbanizing Watershed," presented at the American Geophysical Union Spring Meeting, Baltimore, Maryland, May 2006.

**Cromley, Ellen**, "Community Trails and Street Network Connectivity: Built Environment Characteristics that Support Physical Activity," 11th International Medical Geography Symposium, Fort Worth, Texas, July 7, 2005.

**Cromley, Ellen K.**, "Temporal and Spatial Resolution of Public Health Surveillance Data on Cardiovascular Disease in the United States: Implications for Research Design," NESTVAL 2005, Keene, New Hampshire, October 1, 2005, with **Aki Michimi**.

**Cromley, Ellen K.**, "Numerators and Denominators: Ogive Legends for Medical Mapping," Association of American Geographers, Chicago, Illinois, March 9, 2006, with **Robert Cromley** and **Yanlin Ye**.

**Dean Hanink and Robert Cromley**, "Spatial Variation in Smithian Growth," presented at 52<sup>nd</sup> Annual Conference of the North American Meetings of the Regional Science Association International, November 2005, Las Vegas, Nevada.

**Robert Cromley and Yanlin Ye**, "Ogive Legends for Choropleth Mapping," presented at the Annual Meetings of NESTVAL, October, 2005, Keene, New Hampshire.

**Robert Cromley, Ellen Cromley, and Yanlin Ye**, "Numerators and Denominators: Ogive Legends for Medical Mapping," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Daniels, Melinda D.**, "Riffle Microhabitats: Linking the Fluvial

Geomorphology and Hydrodynamics to Aquatic Macroinvertebrate Community Compositions within Riffle Systems,” Poster co-authored with Elizabeth Spencer and Jason Vokoun, presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Daniels, Melinda D.**, “An Evaluation of the Wolman Pebble Count Method in Small Streams, Poster co-authored with Megan McCusker, presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Daniels, Melinda D.**, “Using Remotely Sensed Data to Evaluate Stream Habitat Conditions in Connecticut” poster co-authored with Krystal Kliger, presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

L. Hachadoorian, Y. Klein and **J. Osleeb**, “Economic Impacts of Beach Accessibility on the Tourism Economy in the Coastal United States,” Annual Meetings of the Association of American Geographers, Chicago, 2006.

S. Ratick and **J. Osleeb**, “A Multiobjective Hierarchical Covering Model for Siting Systems of Medical Facilities with Application to Developing Countries,” Annual Meetings of the Association of American Geographers, Chicago 2006.

J. Cui and **J. Osleeb**, “Regional Implications of Transit Stations to the Residential Rental Market: A Comparison between Washington, DC and Atlanta, GA,” Annual Meetings of the Association of American Geographers, Chicago, 2006.

**Seth, A.**, S. Rauscher, S. Camargo, J-H Qian, 2006: “GCM and Reanalysis Driven Regional Model Climatologies for South America,” Eight International Conference on Southern Hemisphere Meteorology and Oceanography, Foz do Iguacu, Brazil, April 2006.

Rauscher, S., **A. Seth**, S. Camargo, J-H Qian, 2006: “Subseasonal Statistics in Regional Model Climatologies for South America,” Eight International Conference on Southern Hemisphere Meteorology and Oceanography, Foz do Iguacu, Brazil, April 2006.

Rojas, M., **A. Seth**, S. Rauscher, 2006: “21<sup>st</sup> Century Changes in the South American Monsoon Seen in the IPCC Model Projections,” Eight International Conference on Southern Hemisphere Meteorology and Oceanography, Foz do Iguacu, Brazil, April 2006.

**Seth, A.**, 2006: “Climate Variability and Trends in the Altiplano Region of the Andes,” SANREM/CRSP PI Meeting, La Paz, Bolivia, April 2006.

**Vias, Alexander**, Paper Presentation. December, 2005. “Growth and Change in Micropolitan Areas,” at the USDA W-1001 Meeting on rural Population Change - Las Vegas, NV.

**Vias, Alexander**, Paper Presentation. March, 2006. “Characteristics of Opportunity and Vulnerability in America’s Micropolitan Areas,” at the Association of American Geographers Annual Meeting – Chicago, IL, March 2006.

#### **CURRENTLY FUNDED FACULTY PROJECTS:**

**Daniels, Melinda D.**, National Park Service/Farmington River Alliance: “Habitat and Flushing Flow Evaluation of the Farmington River Wild and Scenic Reach, CT.”

**Daniels, Melinda D.**, CT Institute for Water Resources: “Development and Evaluation of a Multi-Dimensional Spatially and Temporally Dynamic Mesohabitat Classification Model for Stream Management and Water Flow Allocation Planning in Southern New England Streams.”

**Daniels, Melinda D.**, NOAA/The Nature Conservancy: “Monitoring the Effects of Dam Removal.”

**Lewis, Thomas R.**, “National Geographic Society Education Foundation Network Grant,” National Geographic Society Education Foundation.

**Seth, Anji**, “Evaluating Recent and Projected Climate Variability in the Andean Highlands: a subaward to Adapting to change in the Andean Highlands: Practices and strategies to address climate and

market risks in vulnerable agro-ecosystems,” USAID/SANREM-CRSP.

**Seth, Anji** (PI), B. Liebmann, S. Camargo: “The Predictability of Onset and Character of Warm Season Rains in tropical South America using a Nested Modeling System,” NOAA Pan American Climate Studies (PACS).

#### **CURRENT STUDENT ACTIVITIES**

##### **B.A. GRADUATES**



(07/01/2005 – 06/30/2006)

##### **GEOGRAPHY MAJORS:**

Amanda Blind  
Michael Boyer  
Justin Brunetti  
Hillary Buckley  
Michael Cipriano  
Tracy DeGrazia  
Cory Gillette  
Kristine Kelly  
Krystal Kliger  
Joao Marques  
Shaughn O’Keefe  
Chloe Sweetser  
Christopher Tholke  
Natalie Vibert

##### **GEOGRAPHY MINORS**

Justin Brunetti  
Mary Counnon  
Daniel Lloyd  
Adam Mike  
Craig Osipiak  
Stephen Wierbonics  
Chung H. Wong

##### **URBAN STUDIES MAJORS:**

Benjamin Bodnar  
James Damon

Elizabeth Delaney  
Paul Deeley  
Lauren Makowski  
Kara Mowry  
Brendon Smith

##### **Gamma Theta Upsilon Inductees**

Maya Alley  
Brittany Howard  
Patrick Habersang  
Daniel Lloyd  
Joshua Regan  
Joseph Rizzuto  
Natalie Vibert

##### **M.A. GRADUATES**

**Bryan Jones**, *Estimating Age-Specific Inter-Regional Migration Using Infant Migration Propensity: The Case of Iceland, 2006*. Advisor: W. Berentsen.

**Benjamin Spaulding**, *Integrating the Maximum Capture Location Problem Into a GIS Framework*. Advisor: R. Cromley.

##### **PH.D. GRADUATES**

**F. Tyler Huffman**, *Assessing the Impact of Uncertainties and Errors on Multi-Criteria Evaluation Procedures when using Remotely Sensed Input Data*. Advisor: R. Cromley.

#### **UNDERGRADUATE ACTIVITIES**

**Krystal Kliger** and M. Daniels, “Using Remotely Sensed Data to Evaluate Stream Habitat Conditions in Connecticut,” presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

#### **GRADUATE STUDENT ACTIVITIES**

##### **Conference Papers and Presentations**

**Benjamin Franek**, “The Incorporation of Renewable Energy Resources at Local and Regional Levels: A Case Study of Washington County Pennsylvania Municipalities,” presented at the Annual Meetings of the Association of American

Geographers, March, 2006, Chicago, Illinois.

**Peter Heyward**, "The Influence of Linguistic Isolation on Immigrant Assimilation," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**C. Patrick Heidkamp**, "Ethical Consumption Practices, Alternative Trade Networks and Human Economic Rights," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**F. Tyler Huffman**, "The Impact of Using Publicly Available Land Cover Data on Site Selection," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Kristen Keegan**, "Industrialization and Centrality in Early Nineteenth Century Connecticut," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Akihiko Michimi**, "Return Migration of African Americans: Brain Gain and Suburban Growth in the South," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Michael Paluzzi**, "The Maximal Covering Problem in a GIS Framework," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Melanie Rapino**, "Are Gays Staying within Their Enclaves to Work? A Comparison of Commute Times," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

**Elizabeth Spencer**, M. Daniels, and J. Vokoun, "Riffle Microhabitats: Linking the Fluvial Geomorphology and Hydrodynamics to Aquatic Macroinvertebrate Community Compositions within Riffle Systems," presented at the Annual Meetings of the Association of American Geographers, March, 2006, Chicago, Illinois.

#### ALUMNI NEWS

**Alex Hasychak**, class of 1982 is retired from the U.S. government and will be heading for Iraq as a sub-contractor to supervise Law Enforcement Training for both civilian and military personnel.

**Craig Mass**, class of 1993 is currently employed as a special agent for the US Department of State, Bureau of Diplomatic Security. From 1999 – 2001 Craig served as an Embassy Security Officer in Cairo, Egypt and from 2001 – 2004 he served as an Embassy Security Officer in Nairobi, Kenya. He is currently assigned to Diplomatic Security's Headquarters in Rosslyn, Virginia. Craig retired in August of 2005 from the US Naval Reserve with 22 years of service to Naval Engineering, Deep Sea Salvage Diving, and Underwater Explosive Ordinance Detection and Disposal. Craig resides in Reston, VA with his wife Mary.

**Thomas Patrick Williams**, class of 1971 is employed as a systems engineer by Northrop Grumman Corporation located in Maryland. Following graduation he took a position as a Nautical Cartographer with NOAA in Washington, D.C. In 1979 Thomas received his M.S. in the Technology of Management degree from The American University and left NOAA to take a position as a Computer Specialist at the Defense Mapping Agency until 1982. From 1982 to 1990 Thomas held positions at General Electric and Synectics Corporation. Since 1990 he has worked as a Systems Engineer on Federal Aviation Administration (FAA) contracts. Thomas married Donna Stokes in 1982 and has lived in the Washington, D.C. area for 33 years.

ALUMNI/AE INFORMATION

Please take a moment to provide us with an update on what is happening in your life. We would like to know as would your classmates. You can e-mail the information to [geograp1@uconn.edu](mailto:geograp1@uconn.edu) or fill out this form and mail to the address below with your information.

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215 Glenbrook Road  
Storrs, CT 06269-4148

Name: \_\_\_\_\_ Class of \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Employer and Position: \_\_\_\_\_

Career News: \_\_\_\_\_  
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Family News: \_\_\_\_\_  
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Comments: \_\_\_\_\_  
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