



The Association of American Geographers Spatial Analysis and Modeling Specialty Group Newsletter

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FROM THE CHAIR

Dear SAM Members,

As many of us are making plans for the upcoming AAG annual meeting in Seattle, I would like to use this opportunity to highlight some of the SAM related events. This year SAM is sponsoring 38 special sessions and the details of these sessions can be found in this newsletter.



We will have **two student paper competition sessions** on Friday, 4/15/2011, from 10:00 to 11:40 AM and from 12:40 to 2:20 PM, both in 609 - Washington State Convention Center, Level 6. I strongly encourage SAM members to attend these sessions and support our student members.

The **SAM Plenary Lecture and Geographical Analysis Reception** are scheduled on Friday, 4/15/2011, from 4:40 PM - 6:20 PM in Metropolitan Ballroom A - Sheraton Hotel, Third Floor. Dr. Goeffrey Jacquez is this year's SAM plenary speaker and he will give a talk about "Key problems and some solutions in geospatial health analysis."

The **Panel in honor of Dr. Duane Marble** is scheduled on Wednesday, 4/13/2011, from 4:40 PM - 6:20 PM in Willow A - Sheraton Hotel, Second Floor.

Finally, the **SAM Business Meeting** is scheduled on Friday, 4/15/2011, from 7:00 PM - 8:00 PM in 609 - Washington State Convention Center, Level 6. So far the items on my agenda include (1) the new electronic elections, (2) the proposed new regular membership due as I mentioned in the last newsletter issue, (3) student participation and paper competition, and (4) collaboration with IGU and other SAM related organizations. If you have any other suggestions, please make sure to send them along (xiao.37@osu.edu).

I look forward to seeing you all in Seattle!

Ningchuan Xiao

Department of Geography
The Ohio State University

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SPRING 2011

SAM-SPONSORED SESSIONS AT AAG

Agency Perspectives on CyberGIS

is scheduled on Thursday, 4/14/2011, from 2:40 PM - 4:20 PM in Douglas

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shaowen Wang - University of Illinois at Urbana-Champaign

Sean Ahearn - Hunter College - City University

Applications of Spatial-temporal Analysis in GIScience

is scheduled on Wednesday, 4/13/2011, from 4:40 PM - 6:20 PM in Aspen

Room - Sheraton Hotel, Second Floor

Organizer(s):

Daniel A. Griffith - University of Texas - Dallas

Robert Haining - University of Cambridge

Applied Spatial Analysis

is scheduled on Wednesday, 4/13/2011, from 4:40 PM - 6:20 PM in 614 -

Washington State Convention Center, Level 6

Organizer(s):

Peter Kedron

Crime Modeling and Mapping

is scheduled on Saturday, 4/16/2011, from 8:00 AM - 9:40 AM in 617 -

Washington State Convention Center, Level 6

Organizer(s):

Michael Leitner - Louisiana State University

CyberGIS Research Agenda

is scheduled on Thursday, 4/14/2011, from 12:40 PM - 2:20 PM in Douglas

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shaowen Wang - University of Illinois at Urbana-Champaign

May Yuan - Univ of Oklahoma

CyberGIS Trends

is scheduled on Thursday, 4/14/2011, from 4:40 PM - 6:20 PM in Douglas

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shaowen Wang - University of Illinois at Urbana-Champaign

Dawn J. Wright - Oregon State University

Design Principles for Agent-based Models of Land-use/Land-cover change

is scheduled on Friday, 4/15/2011, from 4:40 PM - 6:20 PM in Willow A -

Sheraton Hotel, Second Floor

Organizer(s):

Tom Evans - Indiana University

Health Care Workforce Geography

is scheduled on Friday, 4/15/2011, from 2:40 PM - 4:20 PM in 214 -

Washington State Convention Center, Level 2

Organizer(s):

Imam Xierali - Robert Graham Center

Interpolation and Uncertainty in Small-Area Estimates 1

is scheduled on Tuesday, 4/12/2011, from 12:40 PM - 2:20 PM in 616 -

Washington State Convention Center, Level 6

Interpolation and Uncertainty in Small-Area Estimates 2

is scheduled on Tuesday, 4/12/2011, from 2:40 PM - 4:20 PM in 616 -

Washington State Convention Center, Level 6

Organizer(s):

Barbara Pfeil Buttenfield - University of Colorado, Boulder

Nicholas Nagle - University of Tennessee

Issues of Access in Health Care

is scheduled on Friday, 4/15/2011, from 8:00 AM - 9:40 AM in Boren -

Sheraton Hotel, Union Tower, Fourth Floor

Organizer(s):

Michael Widener - University at Buffalo

Mark Horner - Florida State University

Land Use / Land Cover Change 2

is scheduled on Thursday, 4/14/2011, from 2:40 PM - 4:20 PM in Aspen

Room - Sheraton Hotel, Second Floor

Organizer(s):
Robert Gilmore Pontius - Clark University

Land Use / Land Cover Change I
is scheduled on Thursday, 4/14/2011, from
12:40 PM - 2:20 PM in Aspen
Room - Sheraton Hotel, Second Floor

Organizer(s):
Yujia Zhang - Clark University
Jitka Vinduskova

Online visualization for geospatial sciences
is scheduled on Thursday, 4/14/2011, from
10:00 AM - 11:40 AM in 308 -
Washington State Convention Center, Level 3
Organizer(s):
JING LI

*Open Source Tools in GISc Research and
Education (I)*
is scheduled on Tuesday, 4/12/2011, from 12:40
PM - 2:20 PM in 206 -
Washington State Convention Center, Level 2
Organizer(s):
Sung-Gheel Jang - Cleveland State University
Luc Anselin - Arizona State University

*Open Source Tools in GISc Research and
Education (II)*
is scheduled on Tuesday, 4/12/2011, from 2:40
PM - 4:20 PM in 206 -
Washington State Convention Center, Level 2
Organizer(s):
Sung-Gheel Jang - Cleveland State University
Serge Rey - Arizona State University

Panel in honor of Dr. Duane Marble
is scheduled on Wednesday, 4/13/2011, from
4:40 PM - 6:20 PM in Willow A
- Sheraton Hotel, Second Floor
Organizer(s):
Elizabeth A. Wentz - Arizona State University
May Yuan - Univ of Oklahoma

*Perspectives on Complex Spatio-Temporal
Systems [1]: Agent-Based Modeling*
is scheduled on Friday, 4/15/2011, from 12:40
PM - 2:20 PM in Willow A -
Sheraton Hotel, Second Floor

Organizer(s):
Suzana Dragicevic - SIMON FRASER
UNIVERSITY
Arika Ligmann-Zielinska - Michigan State
University

*Perspectives on Complex Spatio-Temporal
Systems [2]: Geosimulation*
is scheduled on Friday, 4/15/2011, from 2:40
PM - 4:20 PM in Willow A -
Sheraton Hotel, Second Floor

Organizer(s):
Arika Ligmann-Zielinska - Michigan State
University
Suzana Dragicevic - SIMON FRASER
UNIVERSITY

SAM Student Paper Competition I
is scheduled on Friday, 4/15/2011, from 10:00
AM - 11:40 AM in 609 -
Washington State Convention Center, Level 6
Organizer(s):
Fang Qiu - University of Texas - Dallas

SAM Student Paper Competition II
is scheduled on Friday, 4/15/2011, from 12:40
PM - 2:20 PM in 609 -
Washington State Convention Center, Level 6
Organizer(s):
Fang Qiu - University of Texas - Dallas

SAM Student Paper Session
is scheduled on Friday, 4/15/2011, from 2:40
PM - 4:20 PM in 609 -
Washington State Convention Center, Level 6
Organizer(s):
Fang Qiu - University of Texas - Dallas

*Social-Ecological Systems: Theory, Methods,
and Modeling*
is scheduled on Friday, 4/15/2011, from 2:40
PM - 4:20 PM in 206 -
Washington State Convention Center, Level 2
Organizer(s):
Christopher Scott - University of Arizona
Barbara Morehouse

***Spatial Analysis and Modeling Plenary
Lecture and Geographical Analysis Reception***

is scheduled on Friday, 4/15/2011, from 4:40 PM - 6:20 PM in Metropolitan Ballroom A - Sheraton Hotel, Third Floor

Organizer(s):
Daniel A. Griffith - University of Texas - Dallas
Yongwan Chun - The University of Texas at Dallas

Spatial Analysis and Modeling Specialty Group Business Meeting

is scheduled on Friday, 4/15/2011, from 7:00 PM - 8:00 PM in 609 - Washington State Convention Center, Level 6

Spatial Cloud Computing (SCC): How could geographers use and help to shape cloud computing?

is scheduled on Wednesday, 4/13/2011, from 12:40 PM - 2:20 PM in 609 - Washington State Convention Center, Level 6
Organizer(s):
Chaowei Yang - CISC/GMU

Spatial Cloud Computing: Paper Session I Infrastructure as a Service (IaaS)

is scheduled on Wednesday, 4/13/2011, from 8:00 AM - 9:40 AM in 609 - Washington State Convention Center, Level 6
Organizer(s):
Chaowei Yang - CISC/GMU

Spatial Epidemiology 1 - Chronic Disease

is scheduled on Thursday, 4/14/2011, from 8:00 AM - 9:40 AM in 611 - Washington State Convention Center, Level 6
Organizer(s):
Eric M. Delmelle - UNC-Charlotte
Debarhana Ghosh - Kent State University

Spatial Epidemiology 2 - Accessibility to Health Care Resources

is scheduled on Thursday, 4/14/2011, from 10:00 AM - 11:40 AM in 611 - Washington State Convention Center, Level 6

Organizer(s):
Eric M. Delmelle - UNC-Charlotte
John DeGroot - University of Northern Iowa

Spatial Epidemiology 3 - Disease Ecology and Habitat Modeling

is scheduled on Thursday, 4/14/2011, from 12:40 PM - 2:20 PM in 611 - Washington State Convention Center, Level 6
Organizer(s):
Eric M. Delmelle - UNC-Charlotte
John DeGroot - University of Northern Iowa

Spatial Epidemiology 4 - Infectious Disease

is scheduled on Thursday, 4/14/2011, from 2:40 PM - 4:20 PM in 611 - Washington State Convention Center, Level 6
Organizer(s):
Eric M. Delmelle - UNC-Charlotte

Spatial Epidemiology 5 - Space-Time Modeling

is scheduled on Thursday, 4/14/2011, from 4:40 PM - 6:20 PM in 611 - Washington State Convention Center, Level 6
Organizer(s):
Eric M. Delmelle - UNC-Charlotte
John DeGroot - University of Northern Iowa

Spatial Optimization and GIS I

is scheduled on Wednesday, 4/13/2011, from 8:00 AM - 9:40 AM in Ballard - Sheraton Hotel, Pike Tower, Third Floor
Organizer(s):
Daoqin Tong - University of Arizona

Spatial Optimization and GIS II

is scheduled on Wednesday, 4/13/2011, from 10:00 AM - 11:40 AM in Ballard - Sheraton Hotel, Pike Tower, 3rd Floor
Organizer(s): Daoqin Tong - University of Arizona

The Built Environment and Health

is scheduled on Friday, 4/15/2011, from 10:00 AM - 11:40 AM in Boren - Sheraton Hotel, Union Tower, Fourth Floor
Organizer(s):
Imam Xierali - Robert Graham Center

Time Geography: Recent Progress and Future Prospects (I)

is scheduled on Wednesday, 4/13/2011, from 10:00 AM - 11:40 AM in Aspen

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shih-Lung Shaw - University of Tennessee

Hongbo Yu - Oklahoma State University

Time Geography: Recent Progress and Future Prospects (II)

is scheduled on Wednesday, 4/13/2011, from 12:40 PM - 2:20 PM in Aspen

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shih-Lung Shaw - University of Tennessee

Hongbo Yu - Oklahoma State University

Time Geography: Recent Progress and Future Prospects (III)

is scheduled on Wednesday, 4/13/2011, from 2:40 PM - 4:20 PM in Aspen

Room - Sheraton Hotel, Second Floor

Organizer(s):

Shih-Lung Shaw - University of Tennessee

Hongbo Yu - Oklahoma State University

TENURE-TRACK JOBS ***ILLINOIS, DE KALB.**

Northern Illinois University. The Department of Geography invites applications for a Visiting Assistant Professor for the 2011-2012 academic year. PhD required at time of appointment. We seek an **economic or population geographer** with the ability to contribute to our high-demand world regional geography and economic geography courses and teach upper-division specialty courses such as transportation, location analysis, or population geography. Ability to teach a regional course on Africa, U.S. & Canada, or Latin America preferred. Apply: submit a letter of application; a curriculum vita; evidence of teaching experience and teaching quality; publications or

examples of writing; and arrange to have at least three letters of reference sent to: VAP Search in care of bvoga@niu.edu.

For full consideration, all application material must be received by April 29, 2011.

<http://www.niu.edu/geog>.

Northern Illinois University's Department of Geography is interested in and values candidates who have experience working with students from diverse backgrounds. AA/EEO.

INDIANA, MUNCIE.

Ball State University, Department of Geography. Tenure-track faculty position available August 19, 2011, as **Assistant Professor**. Responsibilities: teaching undergraduate and graduate courses in **GIS** and in areas of specialization; develop a quality research agenda in areas of specialization and to seek external funding. Minimum qualifications: Ph.D. in geography or closely related disciplines—ABD in these fields will be considered but Ph.D. must be completed by August 1, 2011; expertise in GIS, especially in ESRI software; demonstrated commitment to quality teaching, research, service, and evidence of scholarly productivity. Preferred qualifications: experience in incorporating **geospatial techniques and customization of GIS applications**, location-media and emerging media; experience in seeking external grants; teaching interest in urban/human geographies. Apply: Send cover letter including statement of teaching interests, curriculum vitae, copies of publications and grants, copies of transcripts, and names of three references to: Dr. Kevin Turcotte, Chair, Search Committee, Department of Geography, Ball State University, Muncie, IN 47306. (Tel: 765-285-1776; Email: turk@bsu.edu. Electronic submissions are welcome. Review of applications will begin immediately and will continue until the position is filled, (www.bsu.edu).

* Unless otherwise noted, job entries listed were collected from AAG's *Jobs in Geography* site (see www.aag.org).

CANADA, ONTARIO, WATERLOO.

The Department of Geography and Environmental Management at the University of Waterloo invites applications for a tenure track position in **Geographic Information Science** at the assistant or associate professor level.

Candidates must have a PhD and a proven research record in one or more of the following areas related to human-environment interaction: spatial analysis, cartographic visualization, social and technological aspects of the geospatial web, or enterprise GIS. Expertise in one of the following topics would be an added advantage; land use/cover change modelling, climate change impacts and adaptations, mobile GIS, or transportation modelling. The successful candidate will be expected to teach undergraduate and graduate courses in Geographic Information Systems, offered within the Geography and Geomatics programs in the Faculty of Environment.

The Department of Geography and Environmental Management has a strong reputation for teaching and research in geographical information science in relation to both human and physical environmental systems. It is part of the Faculty of Environment, which also includes the Department of Environment and Resource Studies, the School of Planning, the School for Environment Enterprise and Development, and the Centre for Knowledge Integration. For additional information see:

<http://www.environment.uwaterloo.ca>.

The anticipated starting date is July 1, 2011 or later. Applications must include statements of career objectives, research interests, and the applicant's approach to teaching and learning. Applicants must include with the letter of application a C.V. and the names (with contact information) of four referees. Referees will be contacted for those included in the short list after an initial review of applications that will commence on May 1, 2011 and continue until the position is filled. The appointment is subject to budgetary approval.

Apply: Applications should be sent to: Chair,

GIScience Search Committee, Department of Geography & Environmental Management, Faculty of Environment, University of Waterloo, Waterloo, ON, N2L 3G1, CANADA. Email: gemchair@uwaterloo.ca.

NON-TENURE-TRACK JOBS †

ALASKA, ANCHORAGE.

Postdoctoral Scientist Position. The Resilience and Adaptive Management Group (<http://ram.uaa.alaska.edu/>) at the University of Alaska Anchorage invites applications for a Post-Doctoral Fellow for interdisciplinary research related to spatial analysis, modeling, and visualization of social-ecological systems. The successful candidate will work with social and environmental scientists in analyzing and visualizing social and ecological data as part of an NSF-funded study on water and society in the North. Requirements include a PhD degree (already received, or having completed requirements) in interdisciplinary spatial or quantitative analysis of the environment (e.g., anthropology, geography). The successful candidate should have familiarity with GIS, remote sensing and/or agent-based modeling, with preference for individuals with data visualization skills. Candidates should have the ability to work independently while functioning as part of a close-knit research team. Publications on social or ecological analysis, mapping, modeling, or visualization are a plus.

The position is based in Anchorage, Alaska, a vibrant city with world-class recreation opportunities and will include regular visits to Fairbanks, Alaska for collaboration. Opportunities for 4-6 week fieldwork in remote areas of Alaska.

Apply: Go to www.uakjobs.com and click on the "Advanced Job Search" button; input #0060111 in the "Posting Number" box. Click on "View" and follow the steps to apply. Also send CV and cover letter to

† Unless otherwise noted, job entries listed were collected from AAG's *Jobs in Geography* site (see www.aag.org).

anhm1@uaa.alaska.edu. Call (907) 786-7765 for more information or for assistance applying.

CALIFORNIA, LOS ANGELES.

2011-12 Full- and Part-Time NTT Teaching Positions.

The University of Southern California, in Los Angeles, California, Geographic Information Science and Technology (GIST) Graduate Programs, invites applicants for full- and part-time, non-tenure-track lecturers for the 2011-2012 academic year. The GIST Graduate Programs, housed in the College of Letters, Arts & Sciences, provide world-class training for scores of working professionals and researchers. Today, it offers both a Masters degree and an updated GIST certificate program to meet the demand from government and industry for trained GIS professionals.

The successful candidates will have substantive expertise and demonstrated excellence in teaching in the Program's core areas of geographic information science and the accompanying technologies, and will be expected to teach classes in one or more of the following areas: concepts for spatial thinking, spatial databases, GIS programming and customization, GIS/GPS field techniques, and cartography and visualization. Review of candidates begins immediately and continues until the positions are filled. Candidates must have a PhD in a relevant field at the time of appointment.

Apply: Please send electronic versions of your curriculum vitae, a statement of teaching interests and experience, a writing sample (chapter or article), samples of syllabi and teaching evaluations, and three letters of reference that speak to teaching abilities to lbanks@college.usc.edu.

We encourage prospective candidates to review our web sites for the Spatial Sciences Institute (<http://spatial.usc.edu>) and Geographic Information Science and Technology Graduate Programs (<http://gis.usc.edu/>) prior to applying. For additional information, contact Dr. John P. Wilson at 213-740-1908 or jpwilson@usc.edu.

DELAWARE, NEWARK.

University of Delaware. The Department of Geography in the College of Earth, Ocean, and Environment invites applications for a **visiting assistant professor beginning in the fall of 2011**. We are seeking an individual who can teach six courses annually in our undergraduate curriculum. The successful candidate will be able to teach a range of courses with a GIS/Geographical Analysis focus (i.e., Introduction to GIS, Remote Sensing, Geographic Data Analysis) and courses within the individual's expertise that fall within the University's Geography, Environmental Science, and Environmental Studies curricula. Candidates should preferably hold a Ph.D. in Geography or related field. The initial appointment will be for one year, renewable for up to three years based on performance. Please send a letter that addresses teaching and research interests, curriculum vitae, and contact information for three references to Michael A. O'Neal, Department of Geography, University of Delaware, Newark, DE 19716. Review of applications will begin March 30 and continue until the position is filled. Electronic applications are required and should be sent to job@geog.udel.edu.

IOWA, CEDAR FALLS.

The Department of Geography at University of Northern Iowa seeks a **full-time teaching position of Instructor beginning August 2011 for a three-year term (9-month) appointment** with potential for fourth-year renewal. We seek candidates with expertise in geotechniques and with ability to teach cartography and remote sensing courses and additional GISc courses in their specialty areas.

A Master's degree in Geography or closely related discipline is required; candidates with PhD or ABD are preferred. Teaching experience is an asset. For additional information about the position, UNI, and Cedar Falls, see the extended position description on our department site at www.uni.edu/geography. The successful candidate will have an opportunity to be affiliated with the GeoTREE Center and Iowa Space Grant program.

Apply: Submit application letter, statement of teaching interests, CV, teaching evaluations (if available), and names of three referees to Dr. Andrey Petrov. Electronic application packets can be sent to andrey.petrov@uni.edu; or hard copies to Andrey Petrov, Chair of Search Committee, Department of Geography, University of Northern Iowa, Cedar Falls, IA 50614-0406. Applications received by March 15, 2011, will be given full consideration.

MASSACHUSETTS, CAMBRIDGE.

Post-Doctoral Research Associate at the Center for Geographic Analysis (CGA), Harvard University. This two-year position will be responsible for introducing spatial reasoning and geographic analysis into the core curriculum at Harvard College and other schools at Harvard University. Starting with selected General Education courses at Harvard College, the incumbent will interview the faculty members, determine the appropriate geographic contents and spatial analysis tools, design specific geographic modules for the courses, gather and prepare the materials, select and customize the tools, train and supervise teaching fellows, and provide instructions and technical support in classrooms and beyond. Additional responsibilities include participating in and enhancing the various geospatial technology training programs by the CGA, and contributing to geospatial technology monitoring, evaluation, introduction and implementation in support of teaching and research activities across departments and schools at Harvard University. The successful candidate must have a recent doctor's degree in geography or an equivalent program, with a strong component in geospatial technology. Must have excellent oral and written communication skills. Previous teaching experience strongly preferred. Apply: please send application letter, CV and three recommendation letters to wguan@cga.harvard.edu.

MASSACHUSETTS, WORCESTER.

Visiting Assistant Professor of Geographic Information Science at Clark University. Clark University seeks to fill a one-year position at the assistant professor level in Geographic Information Science (GIS) to begin August 2011. Particular interest is focused on individuals with a specialization in one or more of the following GIS application areas: land change science, earth systems science, climate change and food security. The major responsibility will be to teach core GIS courses including Intro to GIS and advanced vector GIS as well as a graduate seminar in the candidate's field of expertise, and to serve undergraduate and graduate programs in Clark's School of Geography (www.clarku.edu/departments/geography) and the Department of International Development, Community, and Environment (IDCE) (www.clarku.edu/departments/idce). Knowledge of ArcMap 10 and Idrisi software is required; knowledge of programming languages used in GIS and experience with online mapping applications are also desirable. PhD in Geography or related discipline is required by August 2011. This position will be based in the Graduate School of Geography at Clark (www.clarku.edu/departments/geography). Applicants must show a commitment to teaching and working collaboratively within an interdisciplinary program. Apply: a detailed statement of interest, curriculum vitae, and a list of references should be sent via email attachment to gisciencesearch@clarku.edu or via postal mail to John Rogan, GIScience Search Committee, Clark Graduate School of Geography Clark Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA 01610. Review of applications will begin April 1 and will continue until the position is filled.

MASSACHUSETTS, WORCESTER.**Visiting Assistant Professor of Statistics and Quantitative Methods.**

Clark University seeks to fill a one-year position at the assistant professor level in Geography to begin August 2011. Individuals with specialization in statistics, spatial modeling and decision methods should apply. Favorable application areas include urban sustainability and environmental monitoring. The major responsibility will be to teach core courses in quantitative methods and statistics in addition to a graduate seminar in the individual's field of expertise, and to serve undergraduate and graduate programs in Clark's School of Geography

(www.clarku.edu/departments/geography). PhD in Geography or related discipline is required by August 2011.

This position will be based in the Graduate School of Geography at Clark

(www.clarku.edu/departments/geography).

Applicants must show a commitment to teaching and working collaboratively within an interdisciplinary program.

Apply: a detailed statement of interest, curriculum vitae, and a list of references should be sent via email attachment to statisticsearch@clarku.edu or via postal mail to John Rogan, Quantitative Search Committee, Clark Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA 01610. Review of applications will begin April 1, 2011 and will continue until the position is filled.

MINNESOTA, MINNEAPOLIS.

The Department of Geography in the College of Liberal Arts at the University of Minnesota invites applications for a **full-time, nine-month, contract faculty position at the rank of Assistant Professor in Geographic Information Science (GIS)**. This contract faculty position covers two academic years, 2011/12 and 2012/13 (start date 8/29/11), with the possibility of renewal for a third academic year, 2013/14, subject to satisfactory performance, curricular and programmatic need,

and availability of funding.

PhD in Geography or related field by the start date of the appointment is required. Advanced ABD's may be considered for appointment at the rank of contract instructor, with the understanding that the Ph.D. is conferred in the first year of the appointment. Broad background in GIS, cartography/visualization, and spatial analysis, with a strong record of research and teaching are preferred. This position will require teaching courses in some combination of geographic information science, cartography/visualization and spatial analysis at both the undergraduate and graduate levels. Apply: for a full position description and application procedures, please go to <http://employment.umn.edu/applicants/Central?quickFind=92913>.

For more information on the department, please visit our website at <http://www.geog.umn.edu/>. Although review of applications will begin on March 25, 2011, applications will be accepted until the job is filled. Questions regarding the position can be directed to Francis Harvey, chair of the search committee, at fharvey@umn.edu. General questions about the application process can be directed to Glen Powell at 612-625-8828 or powell160@umn.edu.

MINNESOTA, SAINT PAUL.

The geography department at Macalester College, a top tier liberal arts college known for high-powered scholarship, international character, and rigorous teaching, seeks a **GIS Lab Instructor** with a M.S., strong technical skills and teaching experience. If you are interested in this challenging and rewarding opportunity in a vibrant urban setting, please see the full job description and apply on-line <http://tinyurl.com/GISLabInstructor>. Apply by March 21 for first consideration.

MISSISSIPPI, MISSISSIPPI STATE.

Mississippi State University, Department of Geosciences, invites applications for a new **full-time, non-tenure track Instructor** (9-month appointment with additional summer teaching and salary available) position. An M.S. degree

(Ph.D. preferred) in geosciences with experience in geospatial teaching. This position will begin August 2011. The department currently has 17 tenure-track faculty with five areas of emphasis: meteorology/climatology, geology, environmental geosciences, geography, and geospatial sciences. The Instructor will teach a variety of geospatial courses, such as Maps, GIS, Remote Sensing, and Cartography. In addition the successful candidate may assist with the coordination of the Geospatial Certificate Distance Learning Program (<http://www.msstate.edu/dept/geosciences/pdf/GeospatialCertificate.pdf>).

Apply: Applicants should submit a letter of application, curriculum vitae, and the names and email addresses of three people who may be contacted for letters of recommendation on-line at <http://www.jobs.msstate.edu>. Copies of transcripts should be mailed to Dr. John Rodgers, Search Committee Chair, Department of Geosciences, P.O. Box 5448, Mississippi State, MS 39762-5448. Voice (662) 325-3915. Email: jcr100@msstate.edu.

Screening of applicants will begin immediately at the close of the position and will continue until a successful candidate is chosen.

Mississippi State University is an Affirmative Action/Equal Opportunity Employer.

NEW MEXICO, LAS CRUCES.

GIS Foundational Research Opportunity: Seeking a **Masters student** to work on a three-semester long, **NSF-funded project developing a virtual platform for the GIS&T Body of Knowledge 2**. Preferred programming ability is some combination of: HTML, CSS, XML or similar languages. Knowledge of PHP or Python, and OWL is desirable. The candidate should be computer savvy; intuitive; possess 3-D gaming, visualization, and modeling skills; have basic understanding of programming conventions; and possess or be willing to learn human factors and program usability, and to program in Second Life. Successful performance for the project should result in publications, and to position the candidate for

potential further funding to complete the degree program. Opportunity is in the Department of Geography at New Mexico State University (<http://nmsu.edu/~geoweb>). Applicants should contact Michael N. DeMers (demers01@gmail.com) to discuss the project and admission procedures and requirements for Fall Semester, 2011.

OREGON, PORTLAND.

Demographic Research Faculty Position. The Population Research Center (PRC) at Portland State University (PSU) is seeking applications for a Demographic Research Assistant.

Collaborating with PRC staff, the position requires the prospective candidate to develop and apply demographic models, including population forecasting, population estimation, GIS and other spatial/statistical tools for various projects. Applicants should be broadly trained in applied demography, and have considerable applied demographic research experience.

Apply: For more information on responsibilities and minimum qualifications, visit the following: (http://www.pdx.edu/sites/www.pdx.edu.prc/files/media_assets/PositionAnnouncement2.pdf).

PENNSYLVANIA, JOHNSTOWN.

The University of Pittsburgh at Johnstown, a four-year undergraduate college of the University of Pittsburgh, invites applications for a non-tenure-track position as **Instructor of Cartography and Geographic Information Systems (GIS)**, beginning September 2011.

Initial appointment is for three years and contract is subject to renewal. Teaching load is four courses (12 credits) per semester.

We expect the successful candidate to teach courses in cartography, GIS, and introductory geography and/or environmental studies. We also welcome applicants that are interested in teaching upper-level environmental courses that may include resource management, energy, water resources, environmental geography, and remote sensing. PhD is preferred. ABD will be

seriously considered. The candidate should be committed to quality undergraduate teaching and preferably have some teaching experience at the collegiate level. The Department of Geography offers a B.A. in Geography and an inter-disciplinary B.A. in Environmental Studies. The ideal candidate should be able to contribute to both programs. University of Pittsburgh at Johnstown has approximately 3,000 students with an emphasis on small class size and close faculty-student interaction. Our campus computer labs support ArcGIS (ArcInfo 10.0) and Idrisi Taiga. The Department of Geography is also the editorial home of the Pennsylvania Geographer.

Apply: Send a cover letter, curriculum vitae, photocopies of transcripts, and evidence of teaching effectiveness (if available) to: Dr. Ola Johansson, Search Committee Chair, Department of Geography, 450 Schoolhouse Road, Johnstown, PA 15904 (or submit application materials electronically as PDF's to johans@pitt.edu).

from other sources. More information at: http://complexity.sdsu.edu/Resources/AAAS/AAAS_2011.htm/.

MEETINGS

Meeting of the Association of American Geographers (AAG)
Seattle, Washington
April 12-16 2011.

GeoComputation 2011
University College London (UK)
July 20th - 22nd 2011

Geoinformatics 2011
Shanghai, China
June 24-26, 2011

North American Regional Science Council
Miami, Florida
November 9-12 2011

WORKSHOPS

Mapping and disentangling human decisions in complex human-nature systems

Dr. Li An at San Diego State University has successfully organized a symposium entitled "Mapping and disentangling human decisions in complex human-nature systems" at the 2011 AAAS Annual Meeting in Washington, DC, on February 18, 2011. This symposium, incorporating case studies in three National Reserves/Parks (China and Nepal), centers on generalizing characteristics, driving forces, and related methodologies for understanding human decision making and its consequences. The symposium was very successful and featured in the media (e.g., media report by the National Association of Science Writers at <http://www.nasw.org/modeling-interplay-people-and-places>). Furthermore, at the invitation of the Editor-in-Chief of the international journal *Ecological Modelling*, Li is serving as a guest editor to edit a special issue based on papers presented at the symposium and

INFORMATION

Spatial Analysis and Modeling (SAM)

Our mission is to foster and maintain interaction, cooperation and community among individuals interested in the analysis of geo-referenced data, modeling of spatio-temporal processes and the use of analytical and computational techniques in solving geographic problems. The specialty group promotes the scientific study of physical, environmental and socioeconomic geography and the development, use and teaching of analytical cartography, GIS, remote sensing, spatial statistical, mathematical and computational techniques for spatial analysis.

Membership Dues

Regular: \$3

Student: \$1

Submissions

This newsletter reaches a large number of readers and is therefore an excellent venue for getting the word out on community news, departmental happenings, research findings, media appearances, and the like. It is also a good place to post calls for proposals, awards, grants, fellowships, and jobs. We also invite you to submit commentaries or features of broad interest to specialty group members.

The newsletter relies on volunteers to submit articles, so please take a moment to send along relevant items.

Please send your submission by email to Eric Delmelle (eric.delmelle@uncc.edu). Photos or other images, with captions in an attached text file, are also welcome (GIF, JPG, or PNG).

SAM Newsletter Editor

Eric Delmelle

Department of Geography and Earth Sciences
University of North Carolina at Charlotte
Charlotte, NC 28223

Term expires: 2012

Officers

Chair

Ningchuan Xiao

Department of Geography
The Ohio State University
1036 Derby Hall, 154 N Oval Mall
Columbus, OH 43210
Email: xiao.37@osu.edu
Term expires: 2012

Vice Chair/Treasurer

Fang Qiu

University of Texas at Dallas
800 W Campbell Rd, MS GR 31
Richardson, TX 75080
Email: ffqiu@utdallas.edu
Term expires: 2013

Board Members

Robert Gilmore Pontius, Jr.

School of Geography
950 Main Street
Clark University
Worcester, MA 01610
Email: rpontius@clarku.edu
Term expires: 2011

Eric Delmelle

Department of Geography and Earth Sciences
University of North Carolina at Charlotte
Charlotte, NC 28223
Eric.delmelle@uncc.edu
Term expires: 2012

Changjoo Kim

Department of Geography
400B Braunstein Hall
University of Cincinnati
changjoo.kim@uc.edu
Term expires: 2013

Student Representative

Michael Widener

Department of Geography
State University of New York at Buffalo
mjwidene@buffalo.edu
Term expires: 2011