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

FROM THE CHAIR

Dear SAM members,

I hope you all had a great holiday season!

I wish to use this column to highlight a few important matters before this year's AAG Annual Meeting. First, as many of you may have received from the AAG mailing list, there are two vacant SAM officer positions this year: a regular board member and a student board member (both 3-year term). This election will be special because it is the first time we use electronic votes to elect SAM officers. Please send your nominations to Changjoo Kim (sam.sg.aag@gmail.com) by February 15. We will follow up with details about the election process in March.

The second issue is the SAM membership dues. Currently SAM has a regular membership due of $3, which is the second lowest among all specialty groups of the AAG. While we have been financially conservative in the past year with a healthy balance sheet, the moderate overall budget has limited our capability in supporting more student participations in events such as paper competitions. For this reason, the SAM Board has proposed to increase the regular due to $6 (the median of all SGs regular dues is $6.15 as I checked in summer). This is only for the regular due, and the student due will remain at $1. My plan is to discuss and hopefully vote on this issue in the Seattle business meeting. The two months before the meeting will give us a great opportunity to fully discuss this. Please send along your comments!

I am pleased to announce that Dr. Goeffrey Jacquez will be the 2011 SAM Plenary speaker at the AAG Annual Meeting (co-sponsored with Geographical Analysis). The title of his talk is "Key problems and some solutions in geospatial health analysis."

Finally, if there are any other issues that you would like to put on the business meeting agenda, I will be happy to hear them. Thanks to the electronic election process, we will have more time to conduct productive discussions in the meeting.

Best wishes,

Ningchuan Xiao
Department of Geography
The Ohio State University

NEWS

Geographical Analysis is pleased to announce that all of the journal's issues are available now in searchable pdf files. The back issues for 1969-2004 are available free of charge. Users can access issues for 1969-2001 at http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291538-4632/issues. They can access issues for 2002 to 2004 through Project MUSE at http://muse.jhu.edu/journals/geo/. And, they can access issues for 2005-present as part of an annual subscription to the journal.

TENURE-TRACK JOBS *

CALIFORNIA, REDLANDS.
Open Rank Professor in Geographic Information Science. The Master of Science in Geographic Information Systems Program at the University of Redlands is seeking to hire a faculty member with expertise in one or more of the following areas: applied remote sensing, image processing, motion imagery processing and analysis, or Global Positioning System surveying. Rank for this position is open. A PhD in geography, photogrammetry, geodesy or a related field is required. Candidates who are scheduled to complete their dissertation defense before August 31, 2011 will also be considered. The successful candidate will have a record of excellent teaching, research, and professional engagement in their field. For information on the MS GIS Program and its mission visit www.msgis.redlands.edu.
The University of Redlands is a private, comprehensive, liberal arts institution located 60 miles east of Los Angeles. We actively encourage applications from women and under-represented groups. Information about the University and its mission and facilities is available at www.redlands.edu.
Deadline for submission of applications is March 25, 2011.

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

Apply: an application letter describing your teaching methods, research, and service; current curriculum vitae; and a list of three references should be submitted to: Dr. Douglas M. Flewelling, MS GIS Program Director, University of Redlands, 1200 East Colton Avenue, PO Box 3080, Redlands, CA 92373-0999. Email: douglas_flewelling@redlands.edu or telephone: (909) 748-8128.

ILLINOIS, URBANA-CHAMPAIGN.
University of Illinois at Urbana-Champaign, Department of Geography. The Department of Geography is expanding the scope of its ongoing search for a full-time (9 month), tenure-track position at the **Assistant Professor** level in **Geographic Information Science** to include **Remote Sensing and Spatial Analysis and Modeling** and invites new applications for this position. The successful candidate will be expected to develop an active program of research and publication that complements current departmental and school research strengths (see www.geog.uiuc.edu and www.earth.uiuc.edu). Focal areas of interest include, but are not limited to cyberGIS, geovisualization, geocomputation, data mining, human-environment interaction, sustainable development, health, urban and economic development, geopolitical conflict analysis, river and watershed dynamics, transportation, and land use/land cover change. The position involves teaching undergraduate and graduate courses in the Department's core curriculum in GIScience.
The Department is part of the School of Earth, Society and Environment (SESE, comprising the Departments of Geography, Geology and Atmospheric Sciences), providing excellent opportunities for interdisciplinary research. The position includes multiple opportunities to engage in programs of the National Center for Supercomputing Applications (NCSA), a leading cyberinfrastructure center for the development and application of high performance computing, scientific visualization, and data management and analysis capabilities. A PhD in Geography or a closely related discipline is required at the time of appointment.

Salary will be commensurate with experience. Target Starting Date: August 16, 2011.
Apply: Please create your candidate profile through https://jobs.illinois.edu/ and upload your curriculum vita; including a full list of publications and a description of research and teaching interests, and PDF reprints or preprints of publications. In addition, three letters of recommendation must be sent electronically to: Susan Etter: etter1@illinois.edu.
Full consideration will be given to complete applications submitted by January 31, 2011. Inquiries about the position are encouraged; contact Sara McLafferty (Chair, GIScience Search Committee): smclaff@illinois.edu.
Illinois is an Affirmative Action /Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu).

NEW YORK, ONEONTA.
The Department of Geography at the College at Oneonta invites applications for a tenure-track position at the rank of **Assistant Professor in GIS** with a start date of Fall 2011. This is a continuing position with an initial appointment of two years. The expectations include instruction, research, student advisement, college service, and continuing professional development. The College at Oneonta has 5900 students and approximately 450 faculty and offers over 60 undergraduate majors and nine graduate majors. The student to faculty ratio is 18:1. The Geography Department has a strong and growing undergraduate geography program and maintains the environmental planning concentration of an inter-disciplinary environmental sciences program. Combined majors number over 90. The geography program has three tracks: general geography, urban and regional planning, and GIS. For information about the College or the Department, please visit http://www.oneonta.edu or http://www.oneonta.edu/academics/geography.
Duties: Teaching responsibilities include GIS courses and Introductory Geography with the

opportunity to develop other geography courses according to program needs and professional interest. Additionally, the successful candidate will conduct and publish research in his/her area of expertise, advise and mentor students, and engage in college service.
Qualifications Required: The ideal candidate will be a broadly trained geographer with the ability to teach GIS courses. A PhD in Geography or closely related field at time of appointment is required. The candidate must be an effective teacher with a strong commitment to undergraduate instruction. Excellent oral and written communication skills are expected.
Preferred Qualifications: Candidates able to teach Remote Sensing, Geography of the United States and Canada or courses in environmental studies will receive strong consideration. Preference will be given to those who are dedicated to incorporating undergraduates in their research endeavors. We especially welcome candidates who have experience working with diverse populations.
To Apply:
http://oneonta.interviewexchange.com/candapply.jsp?JOBID=21352. Please upload application letter, teaching and research statement, vitae, scanned copies of graduate transcripts (official at time of appointment), and three letters of recommendation. Original hard copies of reference letters should be sent to Dr. Tracy H. Allen, Search Committee Chair, Department of Geography, 317B Milne, SUNY Oneonta, Oneonta, NY 13820. Review of applications will begin immediately and will continue until the position is filled. For other employment and regional opportunities: http://www.oneonta.edu/admin/humres/Employment_Opp/. SUNY Oneonta values a diverse college community.

Please visit our website on diversity at: www.oneonta.edu/edu/navigation/diversity.asp. Moreover, the College is an EEO/AA/ADA employer. Women, persons of color, and persons with disabilities are encouraged to apply.

UTAH, SALT LAKE CITY.
University of Utah. The Department of Geography at the University of Utah in Salt Lake City invites applications for a tenure-track position at the **Assistant Professor** level starting July, 2011. The successful applicant will be engaged in research in **medical and/or health geography**, specifically in Disease Ecology, Environmental-Spatial Epidemiology, Public Health, and/or Population Health. Preference will be given to candidates with strong quantitative, computational and/or GIS skills. The ability to collaborate with faculty within the Department of Geography and participate in interdisciplinary research at the University of Utah is highly desirable. Also desirable is the ability to teach and support research in spatial statistics and analysis, courses in the candidate's area of expertise and core human geography courses.

The University of Utah has unparalleled opportunities for collaborative research on public health and epidemiology issues. The College of Social and Behavioral Science has a program in behavioral health science and a new Veterans Studies Center. The School of Medicine has programs in public health, family and preventive medicine, pediatrics, medical informatics and nursing informatics. Associated with the university health sciences complex is the Huntsman Cancer Institute, a world-class clinical and research institute that maintains the unique Utah Population Database with demographic, genetic and family history records for approximately 6.4 million individuals. The Department of Geography's DIGIT laboratory and the state Automated Geographic Reference Center maintain abundant and available GIS data for the state and have active collaborations with the medical and health communities. Applications should consist of a letter of application, vitae, statement of research, statement of teaching, teaching evaluations (if available), and the names, addresses, phone numbers and email addresses of exactly four references.

Apply: Applications will only be accepted electronically. Please submit your application as a single PDF file to healthposition@geog.utah.edu. The due date for applications is February 18, 2011; applications received after the deadline may be considered until the position is filled. For more information on the Department of Geography, see www.geog.utah.edu.

Questions on the position can be directed to George F. Hepner, Chair george.hepner@geog.utah.edu. The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students. The University of Utah is fully committed to affirmative action and to its policies of nondiscrimination and equal opportunity in all programs, activities, and employment.

Employment decisions are made without regard to race, color, national origin, sex, age, status as a person with a disability, religion, sexual orientation, gender identity or expression, and status as a protected veteran. The University seeks to provide equal access for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Evidence of practices not consistent with these policies should be reported to Director, Office of Equal Opportunity and Affirmative Action, (801) 581-8365 (V/TDD).

UTAH, OREM.
The Department of Earth Science at Utah Valley University (UVU) invites applications for a tenure-track position in Geography, to begin in August 2011. The successful candidate will have a PhD in **physical geography and expertise in GIS**. Responsibilities will include teaching introductory and upper division courses in physical (and possibly cultural) geography and GIS, and developing UVU's

geography program. This is primarily a teaching job, and the successful candidate will have a demonstrable commitment to innovative and effective teaching. The successful candidate will also be expected to engage in some combination of research, supervision of undergraduate research, professional work, activity in professional organizations, and/or continuing education. Commitment to undergraduate education, including engaging students in research, development of professional skills and service learning, will all be considered in our assessment of candidate qualifications. UVU, located in Orem, Utah, is a comprehensive state institution of higher education with over 26,000 students. Orem is on the western front of the Wasatch Mountains, with superb opportunities for field-based teaching and access to numerous outdoor activities including snow sports, hiking, mountain biking, and hunting. The Wasatch Front metropolitan area offers cultural events such as the Sundance film festival.

The UVU Earth Science faculty has strong ties with other universities and with the professional earth sciences community in Utah. UVU and the Dept. of Earth Science strongly support undergraduate research and have numerous active international and domestic research projects. UVU offers very good insurance and retirement benefits to faculty members. Please see http://www.uvu.edu/csh/earthscience/ or contact Danny Horns at hornsda@uvu.edu for more information about Earth Science at UVU. Apply: please visit http://www.uvu.jobs. Click on "Search Postings", and then choose "Earth Science" from the Department drop-down menu. Applications will be reviewed beginning January 28, 2011.
Utah Valley University is an Affirmative Action/ Equal Opportunity/ Equal Access Employer.

WEST VIRGINIA, ATHENS.
Concord University invites applications for a tenure-track **Assistant Professor** position in **physical geography and GIS** to begin August 2011. The PhD in geography is required at the time of appointment. A scholarly interest in a European, African, or Asian region is desirable. The successful applicant will demonstrate a strong commitment to undergraduate teaching and will be encouraged and supported in their pursuit of research and external funding. Concord University is a state-supported regional university of approximately 3,000 students. The geography program offers a B.A. in geography that may be complemented with an area of emphasis in cartography and GIS or in pre-environmental law. At the graduate level, M.Ed. students may complete a content specialization in geography. Concord University hosts the West Virginia Geographic Alliance and the Conference on Appalachian Geography. Application review will start immediately and continue until the position is filled.
Apply: Please send cover letter, curriculum vita, and three letters of reference to Concord University, Human Resources, PO Box 1000, Athens, WV 24712.
Concord University is an affirmative action/equal opportunity employer. Women, minorities, and persons with disabilities are encouraged to apply.

OTHER RELATED JOBS

CALIFORNIA, LOS ANGELES.
UCLA Department of Geography.
Cartographer, Principal Artist. Requisition number: 15115. Under the general supervision of the Management Services Officer, operate independently providing GIS and cartographic analysis, and creation of maps, illustrations, and multimedia graphics for research, publications, instruction, and dissemination of departmental information. The successful candidate will have proficiency in ARC GIS and Adobe Illustrator with strong interest in creative design. Primary

function is as a cartographer, GIS analyst, and artist in technical assistance for faculty research. Helps faculty translate a wide range of scientific concepts into clear finished graphical materials for publication and presentations. Working closely with faculty, develops ways in which their ideas and information can be expressed graphically, producing virtually all types of maps and a variety of technical illustrations; digitally edits photographs, satellite imagery, and maps for presentations and publications. Advise graduate students on their mapping, GIS, and graphics needs, design graphics for department advertisements, posters, website and brochures.

Apply: Please apply online at www.ucla.edu. Go to Employment and campus jobs, then search the req.# 15115. You can upload your resume, experience and references. Please forward your portfolio to: Kasi McMurray, CAO, Manager, UCLA Department of Geography, 1255 Bunche Hall, Box 951524, Los Angeles, CA 90095-1524. Email: kasi@geog.ucla.edu.

CALIFORNIA, LOS ANGELES.
The University of Southern California, **Geographic Information Science and Technology (GIST) Graduate Program**, invites applicants for full- and part-time, **non-tenure-track lecturers** for Spring Semester 2011. The GIST Graduate Program, housed in the College of Letters, Arts & Sciences, provides 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, and GIS/GPS field techniques. 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. 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 two letters of reference that speak to teaching abilities to lbanks@college.usc.edu. USC strongly values diversity and is committed to equal opportunity in employment. Women and men and members of all racial and ethnic groups are encouraged to apply.

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

DISTRICT OF COLUMBIA (WASHINGTON, DC)
Director of GIScience Research Programs.
The Association of American Geographers has a position available for immediate placement at its office in Washington, D.C. for a Geographer or GIScientist whose primary responsibility will be leading the AAG's programs in GIScience research and education. The successful applicant will have advanced, proven expertise in GIScience and technology, and possess strong research and analytical skills. The Director of GIScience Research Programs will also assist in the development of grant proposals and journal articles, and interact constructively with federal agencies and other GIScience organizations. This is an excellent opportunity for talented individuals to participate at a high level in AAG research and education initiatives. A qualified candidate will have a graduate degree in geography or GIScience; possess outstanding written, research, and verbal communication skills; be highly organized and experienced with project management; and have strong interpersonal skills. Salary is commensurate with experience.

Apply: Please send a letter of application, CV,

and three writing samples to: Megan Overbey, Association of American Geographers, 1710 Sixteenth Street NW, Washington, D.C. 20009; or by e-mail to: moverbey@aag.org.

FLORIDA, MIAMI.
The University of Miami Department of Geography and Regional Studies (GRS) is looking for an innovative and talented individual to assist in teaching and curricular development for a new Certificate Program in **Geospatial Technology**. This is a full-time, nine-month **Lecturer** position renewable on an annual basis starting August 15, 2011.

Duties will include teaching courses in geospatial technology, including Introductory and Intermediate GIS, Web GIS and GIS programming applications. In addition, courses may be taught in the candidate's area of specialization outside geospatial technology. The position may include the possibility of summer teaching, the teaching of short courses, and work related to sponsored projects for additional remuneration.
The successful candidate will also assist in the planning and development of curriculum, scheduling and promotion for the new Certificate Program, and will be a team player who can work well in a collaborative environment. The Department has a full-time GIS Lab Manager.

Qualifications: A master's degree or higher in Geography or a related discipline with an excellent working knowledge of ArcGIS and at least one other geospatial software package; working knowledge of LAN and server-client architecture for GIS; and knowledge of XML, JAVA, ArcIMS or other web-based applications will be considered a plus. Familiarity with remote sensing and image-processing software such as ERDAS IMAGINE is expected, with the ability to become expert in their use. Prior teaching experience in a university environment is preferred.
Salary/Benefits: Competitive, based on experience. UM offers a complete benefits package to all faculty.
Apply: Applications should be addressed to: Professor Ira Sheskin, Chair, Geospatial Lecturer Search Committee, Geography and Regional Studies, University of Miami, Coral Gables, FL 33124-2221 and must include a cover letter, Curriculum Vitae, and names/e-mail addresses of three references. These may be sent via e-mail to: Professor Ira Sheskin (isheskin@miami.edu).
Further Information: Information on the Department and the Certificate Program in Geospatial Technology can be found on http://www.as.miami.edu/geography/.
The University of Miami is an Affirmative Action/Equal Opportunity University that values diversity and has progressive work-life policies. Women, persons with disabilities, and members of other under-represented groups are encouraged to apply.

GEORGIA, ATLANTA.
Georgia Institute of Technology, College of Architecture, Center for GIS, Researc**h** **Scientist/Engineer II**. The Georgia Institute of Technology, Center for Geographic Information Systems in the College of Architecture in Atlanta, Georgia is seeking a Research Scientist at the level of Research Scientist/Engineer II. The GIS Center applies a variety of spatial analysis technologies in urban planning, engineering and scientific research, creates data sets for specific applications and develops GIS-based software tools to meet specific challenges. The successful candidate will have strong skills in one or more of the following areas: GIS application programming, urban and environmental modeling and system integration. Applicants with experience in applying these GIS technology to urban growth forecasting, environmental analysis or transportation and infrastructure systems management are preferred. The successful applicant will be expected to develop and manage research projects, perform advanced GIS analysis, write technical reports and manage graduate students. A Masters degree in City Planning, Geography, Environmental Science, Civil Engineering or related fields is required; an earned Ph.D. is

preferred. Salary is commensurate with experience.

Applicant review will begin January 20, 2011 and continue until suitable candidates are found. The following materials should be submitted: (1) Cover letter describing your research interests and experience, (2) curriculum vitae, and (3) names and contact information for three references.

Apply: Send application material to: Steven P. French, Director, Center for Geographic Information Systems, Georgia Institute of Technology, 280 Ferst Dr., NW, Atlanta, GA 30332-0695. Fax: (404) 385-0450.
Georgia Tech is an equal education/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.

VIRGINIA, ARLINGTON.

George Mason University, **Assistant Professor**, **Geography and Geoinformation Science**. The George Mason University, Department of

Geography and Geoinformation Science (http://ggs.gmu.edu/) invites applications for a faculty position at the Assistant Professor level beginning August 2011 with specialization in quantitative human geography. An interest in working with applications of quantitative human geography in the area of geospatial intelligence will be considered an asset. A PhD in geography, geoinformation science, engineering or a closely related area is required at the time of appointment. We seek candidates who will conduct research and teach both core and advanced courses in the modeling and analysis of one or more of the following areas: geodemographics, political geography, economic geography, social networks, virtual environments, social complexity and complex adaptive systems, or other related topics especially as they relate to geospatial intelligence.

The successful candidate should have a strong commitment to research and teaching excellence, and is expected to develop an externally funded research program. Strong consideration will be given to candidates with demonstrated research and teaching experience, expertise in one or more of the above-mentioned areas, and with excellent oral and written communication skills. A proven record of external research funding, as well as graduate student supervision, is highly desirable. In addition, the ability to work in interdisciplinary research teams would be considered an asset.

George Mason University is an innovative, entrepreneurial institution with national distinction in a range of academic fields. Enrollment is over 32,000, with students studying in over 185 degree programs at campuses in Arlington, Fairfax, Loudoun and Prince William.

This position will be open until filled. To ensure full consideration, candidates should submit their faculty applications for position F9442z at http://jobs.gmu.edu by February 15, 2011. EOE.

CALLS FOR PAPERS

URISA Journal
Urban and Regional Modeling versus Planning Practice: Bridging the Gap

Rapid evolution reinforced the use of GIS in spatial planning, both by the professional planners and by the general public on the way to the participation planning and democratic decision making. GIS is now commonly accepted as a default planning platform. Urban and regional plans are based on numerous layers of GIS information on population and infrastructure, and are expressed with the series of layers of constraints, preferences and scenarios. In parallel, GIS-based information on the land-uses, residential patterns or transportation is a basis for spatially explicit dynamic models of urban and regional development. The plans aim at implementing planner's view of "desirable future"; the dynamic models aim to capture the major factors that govern urban and regional development and investigating system's "possible futures".

The goal of the special issue is to bring together the experts in the fields of planning and urban and regional modeling to address "desirable" and "possible" urban and regional futures and to present the state-of-the-art in rapidly developing domain of planning-oriented spatially explicit urban and regional modeling. We solicit original research papers on, but not limited to:

- Practically oriented geosimulation models of urban and regional development
- GIS-based evaluation of the past urban and regional plans versus reality
- The use of the models of land-use/land-cover change in planning practice
- High-resolution (or fine-scale) modeling of urban transport and transportation
- Advances in spatial decision support systems and their uses for urban and regional planning

- Planning-support environments and the experience of their use for the real-world problems
- Scenario-based planning and forecasting

Submission: The abstracts should be submitted via EasyChair https://www.easychair.org/account/signin.cgi?conf=urisaj2011, but first register yourself as Author. Email your questions to urisaj2011@easychair.org

Important dates:
February 15, 2011
Letter of intention and one-page abstracts:

March 01, 2011
Notification of accepting of abstracts:

June 01, 2011
Full papers

Guest Editors: Itzhak Benenson, Tel Aviv University, http://www.tau.ac.il/~bennya/ Bin Jiang, University of Gävle, http://fromto.hig.se/~bjg/

CALL FOR CHAPTERS
Crime Modeling and Mapping Using Geospatial Technologies
(ed. Dr. Michael Leitner)

The Editor invites submissions of chapter proposals that can be considered for inclusion in this book, which is scheduled to be published by Springer in its popular *Geotechnologies and the Environment* series.

Submissions are welcome from the academic, public, and private sectors. However, the Editor encourages especially those individuals to submit a chapter proposal, who presented in the Crime Mapping and Modeling Sessions at the Association of American Geographers Conference in Washington DC in 2010. All chapter proposals will be evaluated by a committee of experts before author(s) are being invited to submit the full book chapter.

Chapters must not have been published elsewhere. Unpublished conference presentations are acceptable. Published conference presentations (e.g., in a proceedings volume) may be acceptable if the full copyright can be transferred.

Important dates:
February 28 2011
Chapter proposal submission deadline
September 30 2011
Final chapter submission deadline
November 30 2011
Acceptance / rejection notification
March 31 2012
Final revised chapter submission deadline
September 2012
Publication of book

Inquiries should be directed to
Dr. Michael Leitner
Associate Professor
Editor, *Cartography and Geographic Information Science*
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(225) 773-7862 cell

WORKSHOPS
Advanced Spatial Analysis
*Spatial Regression Modeling (*June 19-24)
*Multilevel Modeling (*July 10-15)

The Population Research Institute at Pennsylvania State University and the Center for Spatially Integrated Social Science (CSISS) at UCSB invite applications from Ph.D. students, postdocs, and early-career faculty in demography and related fields to participate in the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)-supported Workshops on Advanced Spatial Analysis. This program features two

5-day-long workshops in summer 2011 that are intended for scholars who already make use of GIS, geographically defined contextual data, and spatial statistics in their research. The scheduled workshops are:

Spatial Regression Modeling June 19-24
Penn State, State College, PA
Instructors: Paul Voss and Katherine Curtis

Multilevel Modeling July 10-15
UCSB, Santa Barbara, CA
Instructors: Kelvyn Jones and S.V. (Subu) Subramanian

For more details about these workshops:
http://www.csiss.org/GISPopSci/workshops/2011/GISPopSci_Advanced_Workshops_Flyer.pdf
and: http://www.csiss.org/GISPopSci

Application Timeline
Applications will be accepted starting on Monday, January 10th, 2011 at
http://www.csiss.org/GISPopSci/workshops/2011/apply/
Application Deadline: March 31, 2011
Acceptance Notice: April 15, 2011
Confirm Participation: April 22, 2011

Participation in these workshops is by invitation only. We will review and select approximately 20-25 invitees per workshop based on applications received by the deadline (March 31, 2011). Scholarship support will be available to some qualifying applicants that can help defray some of the costs for travel and lodging.

Modeling Urban Complexity and Hierarchy Denver, Colorado (June 23 2011)
In conjunction with GeoInformatics 2011, June 24-26, 2011, Shanghai, China
Instructors: Bin Jiang and Yanguang Chen

This tutorial will introduce a range of complexity modeling tools to assess urban complexity and hierarchy in order to better understand urban structure and dynamics. These

tools are drawn from complexity study and include fractal, scaling, universality, agent-based modeling, complex networks and allometry.

The instructors will provide a state of the art of the development and key concepts in complexity study to deal with real world problems across different disciplines. On the other hand, workshop instructors will take cities as a typical complex system, and assess them from a complexity perspective and using massive geographic information assembled. A set of software tools will be presented that can help explore massive geographic information about cities to uncover underlying patterns, structures and regularities.

The instructors will show how current date-intensive computing provides a new means to explore urban complexity and hierarchy. In particular, we will look at two examples of massive data: (1) human movement trajectories captured by GPS receivers, flights, and mobile phones, and (2) emerging volunteered geographic information like OpenStreetMap and Flickr.

The tutorial participants will be provided a complete version of free data and source codes that can be further used after the tutorial for research and education purposes. Learning objectives:

- To introduce various complexity modeling tools such as fractal, scaling, universality, agent-based modeling, and network theories
- To study urban complexity and hierarchy using the complexity tools and based on increasingly available geographic information Scope of the tutorial
- An overview of complexity study: development and key concepts
- Introduction to self-organized cities, esp., fractal cities, chaotic cities, sandpile cities

- Scaling and power laws, esp., allometry, 1/f noise, Zipf's law and Pareto distributions
- Emergence in urban evolution, including the emergence processes of fractal patterns, chaotic attractors, localization, and symmetry breaking
- Complex network theories and modeling large geographic networks
- Cellular automata and agent-based modeling of urban and regional systems

Target Audience PhD students or fresh PhD holders in geography or geographic information science (limited to 30 seats)
Prerequisite knowledge: basic understanding of geography and cartography, and be familiar with fundamental concepts and techniques of geographic information systems.
Instruction languages Bilingual (Chinese and English)

Instructors: Bin Jiang Division of Geomatics, KTH Research School University of Gävle, SE-801 76 Gävle, Sweden Email: bin.jiang@hig.se Yanguang Chen School of Urban and Environmental Sciences Peking University, Beijing, China Email: chenyg@pku.edu.cn

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

GEOProcessing 2011
Gosier, Guadeloupe
February 23-28, 2011

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

Geoinformatics 2011
Shanghai, China
June 24-26, 2011

COMPETITIONS

SAM Student Paper Competition
The Spatial Analysis and Modeling (SAM) Specialty Group of the Association of American Geographers is sponsoring a student paper competition at the 2011 AAG Meeting in Washington, DC. The prizes will total a minimum of $1000.

The competition is open to all undergraduate and graduate students. Papers may be of a theoretical or applied nature. They will be judged on the following criteria: 1) potential contribution to the use of mathematical models, statistical techniques and other technological and computational approaches for analyzing spatial phenomena in any subfield of geography; 2) appropriate and sound use of methodology; 3) originality; and 4) organization and written composition of the paper.

Students wishing to enter the competition should submit the title and abstract of their paper to SAM Vice-Chair Fang Qiu (ffqiu@utdallas.edu) after registering to attend the 2010 AAG. Students should also include the PIN from their registration so that SAM can coordinate with the AAG to place competition papers into special sessions. Students entering the competition must submit their completed papers in .doc or .pdf format to same e-mail address (ffqiu@utdallas.edu) by February 1, 2011.

The paper must be based on research primarily conducted while the student was at an accredited university. Each entrant must submit a statement with their completed paper from a university faculty member, preferably their undergraduate or graduate advisor, describing the role of the student in completing the paper. The entrant need not be a student at the time of the 2011 AAG meeting to enter the competition.

The title page of the submitted paper should include the name, current affiliation, mailing address, telephone number and e-mail address of the entrant. The following page should include only the title of the paper and an abstract. No identifying information should appear anywhere else than on the title page of the paper. Papers should be no longer than 35 double-spaced pages, including tables, figures and references.

A panel of judges will review the papers before the AAG meeting. The judges will also evaluate student presentations. The winner(s), if any, will be announced at the SAM specialty group business meeting and at the AAG Awards Luncheon. Winners should make themselves available to attend the Luncheon. The judges' decision, including the possibility of not awarding a prize, is final.

AAG Grants and Competitions The AAG offers numerous grants and awards. Visit the AAG website at www.aag.org for a full listing including detailed descriptions, deadlines, and application procedures.

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).

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