



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

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FROM THE CHAIR

Dear SAM members,

I would like to use this opportunity to report a few recent activities related to our specialty group. In the SAM business meeting held in April in Washington, D.C., two new board members were elected.

Fang Qiu (University of Texas at Dallas) replaced Ed Zolnik as vice chair and Changjoo Kim (University of Cincinnati) took the seat of Joni Downs as a regular board member. SAM thanks both Ed and Joni for their service.

We had a successful student paper competition session in the AAG annual conference. After evaluating on both the full papers and presentations, the SAM board decided to award Lina Cao (University of Utah) the first prize, and Xingjian Liu (Texas State University - San Marcos) and Woo Jang (University of Georgia) the second prize of graduate student awards. For the first time, SAM awarded a first place undergraduate student prize to Katherine Johnson (Stanford University). To honor John Odland, the first chair of the Mathematical Modeling & Quantitative Methods Specialty Group (the predecessor of today's SAM), we voted in the business meeting to name the first place of future student paper competitions the John Odland Student Paper Award.

After the business meeting, the SAM board discussed how to effectively manage the specialty group affairs. We have identified four major areas and designated a board member to focus on one of these areas. Vice chair Fang Qiu will be responsible for student paper competitions. Board member Robert Gilmore Pontius will be working on organizing SAM special sessions for the AAG annual conferences. Board member Eric Delmelle is the newsletter editor. Finally, board members Changjoo Kim and Michael Widener will be responsible for elections.

As many of you know, historically SAM members must attend the business meeting to cast their votes for SAM officers. This has been a great tradition of SAM; I for one have colorful memories of many dynamic voting events. However, SAM today has more than 800 members and a more inclusive voting procedure has become necessary. The SAM board has unanimously passed a proposal of reforming the election procedure. The text of the proposal is included in this newsletter. The new procedure will take effect in the 2011 SAM elections. I would like to especially thank Michael Tiefelsdorf who initially communicated with me on this issue in June.

Lastly, next year's AAG annual conference is not far away. If you have any thoughts regarding SAM business or would like to organize some special sessions, please do not hesitate to contact me.

Best wishes,

Ningchuan Xiao
Department of Geography
The Ohio State University



VOLUME 30
ISSUE 2
SUMMER 2010

NEWS

Reforming the Election Process of the Spatial Analysis and Modeling Specialty Group

The SAM Board*
August 2010

Introduction

The Spatial Analysis and Modeling (SAM) Specialty Group's membership has significantly grown from around 200 members in 2000 to over 800 in 2010. Presently, the group holds officer elections during the business meeting at the Annual Meeting of the AAG where, due to scheduling conflicts and travel restrictions, only a relatively small fraction of SAM members are able to vote. The officers of SAM have agreed to explore the development of a more inclusive method for conducting elections in order to increase participation and better represent the SAM community.

A proposed method for reforming the election process is to establish an email-based election that occurs over a period of time before the annual business meeting. Holding the election prior to the business meeting will also allow for new officers to assume their official capacities in a timelier manner, enabling for a more seamless transition of leadership. In addition, less of the meeting will be spent on electing new officers, leaving more time for official business.

Proposal

The proposed process is laid out here:

1) Solicit nominations for vacant positions via emails approximately **three months** before the Annual Meeting of the AAG. Members will have **one month** to submit nominations (including self nominations). Two reminder

emails will be sent out after the initial nomination announcement. These reminders will be sent one week and one day before the nomination period closes.

- 2) Once the nomination period has ended, the nominees will be contacted by email or phone to confirm their interest in running for the position they have been nominated for. Confirmed nominees must submit an introduction (no more than 250 words) of themselves. This will occur in the week between the end of the nomination period and the beginning of the voting period. In the case where no nominations have been made for an open office position, the nomination and voting process for this position will occur during the business meeting at the Annual Meeting of the AAG. The voting for all other offices with nominees will follow a normal procedure.
- 3) Voting will commence approximately **two months** before the Annual Meeting of the AAG. Members must email a designated officer on the board of SAM with their votes (one per office), which must be cast within **six weeks** of the start of the election. Two reminder emails will be sent out after the initial election voting announcement. These reminder emails will be sent three weeks and one week before the election closes.
- 4) The votes will be tallied after the six-week voting period has closed. Nominees and SAM members will be notified of the winner(s) by emails, on the SAM webpage, and at the business meeting.
- 5) The election process will be handled by designated SAM officers.

* The proposal was drafted by Changjoo Kim and Michael J. Widener, SAM Board Members. The SAM Board has reviewed and agreed on the text.

TENURE-TRACK JOBS †

CALIFORNIA, NORTHRIDGE.

The Department of Geography at California State University, Northridge welcomes applications for a Tenure Track position at the **Assistant Professor** level from individuals trained in **Geographical Information Systems, cartography, and related geospatial technologies.**

PhD in Geography required at time of appointment (evidence of degree(s) required at time of hire). Priority will be given to candidates with expertise in advanced applications of geospatial technologies such as spatial statistical methods, programming, enterprise GIS, web-based mapping applications, and applications of GIS in urban and regional planning; applied research and/or industry experience is desirable. Secondary areas of expertise include sustainability, resource management, land use practices, and policy. Priority will be given to candidates that demonstrate expertise in the urban environment and who can develop projects based in Southern California. Candidates should have demonstrated excellence or potential for excellence in teaching, scholarly research, and professional and community service. Grant-writing experience is also highly desirable. Applicants must demonstrate a commitment to working with an ethnically and diverse student population. CSUN is a Learning Centered University. The successful candidate will be expected to join faculty and staff in a commitment to active learning, to the assessment of learning outcomes, and to multiple pathways that enable students to graduate. At time of appointment, the successful candidate, if not a U.S. citizen, must have authorization from the Bureau of Citizenship and Immigration Services to work in the United States. Teaching responsibilities will include GIS courses at sophomore through graduate levels and advanced and graduate courses in candidate's area of expertise; and may include

general education courses in human, physical and/or regional geography, and a course in planning applications of GIS in the Department of Urban Studies and Planning. Normal teaching load is 12 units per semester, although there are opportunities for reduction in teaching load for funded research. There will be a reduced teaching load during the first two years of appointment.

We seek a geographer who will involve students in research projects, field work, and data analysis, who will mentor students in their senior thesis and master's degree research, and generally prepare students for careers in the GIS profession. The successful candidate will also be expected to contribute to our Graduate GIS Certificate program, advise students, contribute to department, college, and university committees, participate in professional conferences, publish in peer-reviewed journals, and seek external grants.

Priority will be given to applications received by October 15, 2010. Position will remain open until filled. Applicants must submit a letter of application stating teaching philosophy and research agenda, curriculum vitae, three current letters of recommendation and, if possible, evidence of teaching effectiveness and scholarship. Email applications are not accepted. Apply: Chair, Search and Screen Committee, Department of Geography, California State University Northridge, Northridge, CA 91330-8249.

FLORIDA, TALLAHASSEE.

Florida State University. The Department of Geography invites applications for a tenure-track **Assistant Professor** position in **GIScience** to begin August 2011. The successful applicant will be expected to pursue research, secure external funding and teach in the field of GIScience with a desired emphasis on urban and social applications. Salary and benefits are highly competitive, and commensurate with qualifications and experience. A PhD in geography or a related area is required. Send electronic letter of application by October 1, 2010 including

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

curriculum vitae and names of three referees to Prof Victor Mesev (vmesev@fsu.edu).

OREGON, EUGENE.

University of Oregon. Tenure-track **Assistant Professor** position beginning September 2011. Geographer whose interests focus on **Geographic Information Science**. The department seeks a broadly trained Geographic Information Scientist, with a primary focus on Geographic Information Systems theory and applications. Applicants must have an active research program in Geographic Information Systems that engages one or more core areas of Geographic Information Science, or an existing research focus of the department. Specific duties include teaching undergraduate and graduate GIScience courses, including Geographic Information Systems, and supervising masters and doctoral students in GIScience and related geographic fields. Applicants must have a demonstrated record of (or potential for) maintaining a strong program of research, publication, external funding and teaching. Applicants also must demonstrate an interest in contributing to a program that fosters links among the sub-disciplines of geography. PhD required by September 2011. Complete position announcement is available at <http://hr.uoregon.edu/jobs> or contact Search Committee Chair, Patrick J. Bartlein (bartlein@uoregon.edu).

Apply on-line at

<https://academicjobsonline.org/ajo/jobs/342>. To assure full consideration, applications must be received by October 15, 2010. Position will remain open until filled. For more information about the department, visit our webpage: <http://geography.uoregon.edu>.

UTAH, SALT LAKE CITY

The Department of Geography at the University of Utah in Salt Lake City invites applications for two tenure-track positions at the Assistant Professor level starting 1 July 2011. 1. A physical geographer with a research focus on climate change impacts on terrestrial environments. The successful applicant will be engaged in research that emphasizes climate

change dimensions of hydrology, disturbance, alpine environments and/or arid landscapes. 2. An urban/economic geographer specializing in urbanization, globalization, development, and/or transportation; or the public health implications of these processes. Preference will be given to candidates with strong quantitative, computational and/or GIS skills. For more information, see <http://www.geog.utah.edu/pdf/TwoTenurePositions.pdf>

WISCONSIN, LA CROSSE.

The University of Wisconsin - La Crosse invites applicants for a full-time **Assistant Professor**, tenure track academic appointment, beginning January 2011. Must have PhD in Geography at time of appointment (will consider very late stage ABD).

The Department of Geography/Earth Science in the College of Science and Health seeks a Geographer with demonstrated expertise and research interests in **cartography, map design, web-based mapping, geo-visualization, and GIS**. Specialties in geographic education or medical/public health geography will be a plus but not required. Teaching responsibilities include fundamentals of cartographic principles, map design, web-based mapping, and the candidate's areas of specialization. The appointee will be expected to teach one of the Department's core general education courses and also demonstrate a commitment to excellence in undergraduate teaching, develop an active research program seeking external grants, participate in undergraduate research, and provide service to the University and broader community and profession.

Apply: Electronic submission of application materials is required. For additional information about this position and to apply, please visit <https://employment.uwlax.edu/> Your application should include a letter of application, curriculum vitae, a statement of teaching philosophy and research agenda in one document, contact information for three references, and graduate transcript(s). For questions, please contact Dr. Gregory Chu (chu.greg@uwlax.edu) or Dr. Cynthia Berlin,

Chair of Search and Screen Committee,
Department of Geography and Earth Science,
University of Wisconsin-La Crosse. Voice 608-
785-8333, FAX 608-785-8332, e-mail
berlin.cynt@uwlax.edu
(www.uwlax.edu/geography). Review of
complete application materials will begin on
August 1, 2010, and will continue until position
is filled.

WISCONSIN, MADISON.

University of Wisconsin-Madison. **Assistant
Professor** of Geography, tenure-track position
in **GIScience**. PhD is required at the time of
appointment. Preference will be given to
applicants broadly trained in geovisualization
having a strong background in cartographic
design. Possible research areas include, but are
not limited to, geovisual-analytics, map
animation, cartographic design, and interactive
mapping. Teaching requirements include
introductory and advanced courses in
cartography and geovisualization. Nine-month,
academic year position starting August 29,
2011. For more information on Geography at
UW-Madison, see

<http://www.geography.wisc.edu/>.

To apply for this position send a letter
describing research and teaching interests, a CV,
and no more than three examples of publications
to the address below. Please arrange to have
three letters of reference submitted by the
application deadline. Applications arriving after
the deadline cannot be guaranteed consideration.
Electronic submissions are preferred.

Apply: Jim Burt, Search Committee Chair,
Department of Geography, University of
Wisconsin-Madison, 160 Science Hall, 550 N.
Park St., Madison, WI 53706-1491. Tel: 1-608-
262-2138, Email: jburt@wisc.edu. Application
deadline: October 15, 2010.

OTHER RELATED JOBS

CALIFORNIA, REDLANDS.

GIS Software Product Engineers. ESRI is
seeking experienced professionals to join its
Software Products team in a critical role
responsible for designing and building the next

generation of ArcGIS software. In this role you
will design, develop, analyze, release, and
support ESRI's ArcGIS software and define
customer requirements for using GIS software
in various real-world scenarios.

Successful candidates will possess a bachelor's
or master's in GIS, computer science, or a
related field; a minimum of six months of
specific training with an ArcGIS product or
other GIS products; and experience using a
scripting or application development language
(such as .NET, Java, Python, or C++). Use and
administration of relational databases (SQL
Server, Oracle, Informix, DB2) is a plus.
Learn more about this position and apply online
at www.esri.com/giscareers.

DISTRICT of COLUMBIA

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.

NORTH CAROLINA, CHARLOTTE.

The Center for Applied GIS at the University of North Carolina Charlotte seeks a 1-year graduate student to participate in geospatial research applied to **health care accessibility** for children with birth defects in Florida. The graduate student will identify population groups with varying degrees of accessibility coverage to a specialty clinic or Children's Medical Services and analyze strategies to decrease access inequalities by optimally locating new specialty clinics. We welcome strong applicants from geography, public health or any other related field. The candidate must be proficient in the use of GIS and spatial analysis. Programming skills (Python, Matlab, Flash) are not required, but strongly desirable. Please contact Eric Delmelle (eric.delmelle@uncc.edu) with a current CV and a 1-page description of research interests.

OHIO, CINCINNATI.

The Department of Geography at the University of Cincinnati seeks **two self-motivated postdoctoral researchers** to undertake work in the area of **space exploration informatics**. The candidates must have expertise in one or more of the following fields: remote sensing, planetary geomorphology, computational intelligence and geoinformatics, or image processing, with the PhD in geography, computer science, geology, or related fields. The successful candidates will be involved in one or more of the following research projects: automatic cataloging of crater and other geomorphic features from high resolution planetary images, machine-learning-based automatic geomorphic mapping, and data mining of large spatial planetary and terrestrial datasets. The candidates will be expected to work in a multidisciplinary, highly motivated and productive team. A high level of motivation, ability to solve challenging problems, and passion for research are expected. The candidates should have a good communication and writing skills. The responsibility include designing and executing computer codes, analyzing and reporting original results, writing scientific

manuscripts, and participating in daily computer lab maintenance. Skills in maintaining a server and local area network are highly desirable. Postdoctoral positions will be offered for an initial period of up to two years, with possible extension to a maximum of three years.

Apply: Please apply online at <https://www.jobsatuc.com/>. Click on Search Postings on the upper left hand corner of the screen. On the Search Postings screen, enter 210UC0945 for the Position Number, and then click the SEARCH button at the bottom of the page. Applicants will need to submit a letter of interest, a curriculum vita with list of relevant publications, and a list of three references during the application process.

The University of Cincinnati is an equal opportunity / affirmative action employer. Women, people of color, people with disabilities and veterans are encouraged to apply. Please contact Dr. Tomasz Stepinski (tstepinski@gmail.com), the Thomas Jefferson Chair Professor of Space Exploration Informatics, for further information.

OREGON, EUGENE.

University of Oregon. **Research Assistant, Cartography Project Manager**, position beginning July, 1 2010. 1.0 FTE, Fixed-term appointment, with the possibility of renewal. Serves as Project Manager and Lead Cartographic Designer on a variety of atlas and mapping products. Conducts geographic and cartographic research related to Lab projects. Provides technical assistance on graphic design, 3D visualization, and GIS applications. Assists in identifying new project opportunities. Requires a minimum two years of experience in cartography project management, and four years of experience in cartographic design and production. Professionally demonstrated expertise in the use of Adobe Creative Suite and ESRI ArcGIS software products in cartographic atlas and map production. Experience with internet mapping design concepts and the use of Adobe Dreamweaver software is preferred. Professional and research related writing, editing, and oral communication skills are preferred. Requires a Master's degree in

Geography. Complete position announcement is available at <http://hr.uoregon.edu/jobs> or contact Search Committee Chair, James E. Meacham, jmeacham@uoregon.edu. Review of applications begins on June 21, 2010 and remains open until filled. For more information about the InfoGraphics Lab, visit our webpage: <http://infographics.uoregon.edu>.

CALLS FOR PAPERS

Call for Papers: Spatial and Temporal Data Analysis, A Special Issue of **International Journal of Applied Geospatial Research**

Guest Editors:

Changjoo Kim, University of Cincinnati

Eric Delmelle, UNC-Charlotte

Ningchuan Xiao, Ohio State University

The Spatial Analysis and Modeling (SAM) Specialty Group of the Association of American Geographers (AAG) is currently soliciting research papers to be published in a special issue of *International Journal of Applied Geospatial Research* (IJAGR). We specifically look for papers that illustrate recent advances in spatial and temporal data analysis to address geographical issues, as well as related research in spatial data mining. Authors who are interested in contributing to the special issue should submit a letter of intent that describes the main content of paper by **September 15, 2010**. The guest editors will decide if the paper fits the scope of the special issue and invite the authors of selected papers to submit a full paper by **January 15, 2011**.

Many geographic phenomena occur in both space and time. Methods for spatial and temporal analyses have been increasingly important for spatial studies due to the rich datasets that have been made available for a wide range of applications. These methods are essential in applications such as spatial patterns of traffic accidents, infant mortality variations, landscape pattern changes, and unemployment

rate changes, often over multiple time periods. We welcome papers in all relevant research areas including, but not limited to, transportation, urban and environment planning, crime, health, economics, statistics, and GIS.

Objective of the Special Issue

This special issue aims at introducing the spatial and temporal data analysis to the GIScience/SAM/IJAGR audience.

Recommended Topics

Topics to be discussed in this special issue include (but are not limited to) the following:

- Applications of tools such as GIS or remote sensing for space-time analysis
- Multilevel modeling
- Panel/Longitudinal data analysis
- Space and time model
- Space-time analyses
- Space-time clusters
- Spatial data mining
- Spatial variation in temporal trends
- Spatio-temporal processes
- Spatio-temporal representation/geovisualization

Call for Papers: Modeling Public Sector Facility Location Problems, A Special Issue of **Socio-Economic Planning Sciences**

Guest Editors:

Mark S. Daskin, University of Michigan, USA

Alan T. Murray, Arizona State University, USA

Under the incoming Editor-in-Chief, Vedat Verter, *Socio-Economic Planning Sciences* will publish a special issue on "modeling public sector facility location problems". Facility location modeling has a long and very rich history for both private and public-sector problems. Public sector problems are often characterized by (i) multiple constituents, (ii) multiple competing objectives, and (iii) a highly political decision making atmosphere. Such problems are further complicated by the fact that the public sector modeling environment

must often operate with limited data and constrained planning resources. Facility location models are often used to identify impacts and to explore alternative siting plans in the public sector. This special issue welcomes submissions that contribute to the state-of-the-art in these areas of public sector facility location modeling, theory, and decision-making as well as innovative case studies and applications that contribute to our understanding of the challenges inherent in using facility location models in the public sector.

All manuscripts should be submitted electronically via the Elsevier Editorial System (EES) <http://ees.elsevier.com/seps>. You must select Modeling Public Sector Facility Location Problems as the Article Type to make sure that your paper will be considered for the special issue. The EES will open to submission on **June 1st**, and the deadline for the special issue is **January 1, 2011**. The plan is to publish the special issue in mid 2012. Researchers from all relevant disciplines are invited to consider this special issue as an outlet to publish their quality work on this topic of increasing significance. Inquiries on the special issue can be directed to the guest editors, Mark S. Daskin (msdaskin@umich.edu) or Alan T. Murray (Alan.T.Murray@asu.edu).

Call for Papers: Data-Intensive Geospatial Computing, A Special Issue of International Journal of Geographical Information Science

Guest Editors:

Bin Jiang, , University of Gävle, Sweden

Data-intensive computing has been emerging as a fourth scientific paradigm from the mainstream computer science. In terms of the techniques and technologies involved, this fourth paradigm is fundamentally distinct from the third one called computational science focusing on simulating complex phenomena or processes since the invention of computers. The massive data volume and ever increasing computing power in the twenty-first century will dramatically change the ways of doing science

and scholarly communications. We believe therefore that this emerging new paradigm has profound implications to geographic information science and various applications to environment and urban systems. CyberGIS is an emerging phenomenon where geographic information systems or science (GIS) meets cyberinfrastructure for data-intensive geospatial computing. Many unsolvable problems with environmental and urban systems can be well studied using the continuously increasing geospatial data, collected through massively deployed positioning technologies, sensor networks and voluntary contributions by individuals, and ever increasing computing power of personal computers, higher performance computers, and emerging grid/cloud computing facilities. This special issue of International Journal of Geographical Information Science is seeking original unpublished papers that describe recent advances and efforts in data-intensive geospatial computing, with particular applications to environment and urban systems.

Suggested topics include:

- Intensively computing volunteered geographic information for geographic knowledge discovery
- Grid/cloud computing geographic data for unsolvable or hard-to-solve GIS problems
- Massive agent-based simulation of nonlinear geographic phenomena and processes
- Analyzing large-scale geosensor networks data for monitoring environment and urban systems
- Deployment and development of web mapping processing services for various applications

Submission:

All manuscripts including any support material should be submitted using the journal's online Manuscript Central facility (<http://mc.manuscriptcentral.com/ijgis>). Authors must select "Special Issue" while they reach the "Article Type" step in the submission process, and identify the "data-intensive geospatial computing" special issue in their cover letter.

Important dates:

Paper submission due: **30 September 2010**

Acceptance notification: **31 January 2011**

Publication of the issue: 30 April 2011

MEETINGS

North American Meetings of the Regional Science Association International

Denver, Colorado (November 10-13, 2010)

Call for Location and Spatial Modeling Presentations

Tony H. Grubestic, Drexel University
(tony.grubestic@gmail.com)

Timothy C. Matisziw, University of Missouri-Columbia (matisziwt@missouri.edu)

Meeting of the Association of American Geographers (AAG)

Seattle, April 12-16 2011.

Registration and Abstract Submission are open until **October 20, 2010**. The Spatial Analysis and Modeling group will sponsor various sessions. Special attention will be given to limit the number of parallel SAM sessions. Please contact Dr. Ningchuan Xiao if you are interested to organize a session.

GEOProcessing 2011

The Third International Conference on Advanced Geographic Information Systems, Applications, and Services

Gosier, Guadeloupe (February 23-28, 2011)

Submission deadline: **October 5, 2010**

The goal of the International Conference on Advanced Geographic Information Systems, Applications, and Services, GEOProcessing 2011, is to bring together researchers from the academia and practitioners from the industry in order to address fundamentals of advances in geographic information systems and the new applications related to them using the Web Services. Such systems can be used for assessment, modeling and prognosis of emergencies. As an example, it can be used for assessment of accidents from chemical pollution

by considering hazardous chemical zones dimensions represented on a computer map of the region's territory.

The conference will provide a forum where researchers shall be able to present recent research results and new research problems and directions related to them. The conference seeks contributions presenting novel research in all aspects of techniques and technologies applied to geographic information systems and Web Services

The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas. All tracks are open to both research and industry contributions. Conference website: <http://www.iaria.org/conferences2011/GEOProcessing11.html>

COMPETITIONS

Garrison Award

The biannual William L. Garrison Award for Best Dissertation in Computational Geography supports innovative research into the computational aspects of geographic science. The award is intended to arouse a more general and deeper understanding of the important role that advanced computation can play in resolving the complex problems of space-time analysis that are at the core of geographic science. The award is one of the activities of the Marble Fund for Geographic Science of the Association of American Geographers (AAG). The Garrison award consists of a cash prize in the amount of \$3,500 and a formal certificate of merit. Dissertations completed in the two year period beginning on September 1st of 2008 and terminating on August 31st of 2010 will be eligible for nomination.

Nominations are due by **September 2, 2010**. A full description including eligibility and nominating procedures is available at the AAG website.

including detailed descriptions, deadlines, and application procedures.

Marble-Boyle Undergraduate

Achievement Awards These awards aim to recognize excellence in academic performance by undergraduate students from the United States and Canada who are putting forth a strong effort to bridge geographic science and computer science as well as to encourage other students to embark upon similar programs. Each award consists of a \$700 cash prize, a \$200 credit for books published by ESRI Press, and a certificate of recognition. ESRI has also agreed to provide priority consideration to any of the awardees who may be interested in participating in their Summer Intern Program. Deadline to apply is **October 15, 2010**. For application procedures and full description visit the AAG website.

AAG International Geographic Information Fund Graduate Research Award

Deadline: December 31 2010

The Association of American Geographers will award one or more small grants of **up to \$500** to support graduate research proposed by a student in any area of spatial analysis or geographic information science or systems. The award(s) will be presented at the AAG Annual Conference. The program is designed to support college and university student career development in the academic areas of applied spatial data analysis or geographic information systems (GIS). The award has been financially supported by a generous gift from Laura and Jack Dangermond and the Environmental Systems Research Institute to establish an AAG IGIF Endowment for this unique grant program. More information is available at the AAG website.

AAG Grants and Competitions The AAG offers numerous grants and awards. Visit the AAG website at www.aag.org for a full listing

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: 2011

Officers

Chair

Ningchuan Xiao

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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
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Board Members

Robert Gilmore Pontius, Jr.

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Term expires: 2012

Student Representative

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mjwidene@buffalo.edu
Term expires: 2011