



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

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### FROM THE CHAIR

Dear SAM Members,

This is my first column as chair of the specialty group. It is a great honor to serve the specialty group and I wish to thank SAM members for the trust. I would like to thank Mark Horner for his excellent service as the chair for the last three years. Mark and other officers have led SAM into a strong position in the Association. This year we sponsored 27 special sessions in the AAG annual meeting in Las Vegas, NV. SAM now has 722 members, including 327 students and 395 non-students. In cooperation with Geographical Analysis, the 2009 SAM plenary session has attracted a large, enthusiastic audience.

It is also time to welcome two newly elected board members. Eric Delmelle (University of North Carolina at Charlotte) replaces outgoing board member Darla Munroe and Joni Downs (University of South Florida) fills my board member seat. I specially would like to thank Fang Qiu (University of Texas at Dallas) who volunteered to take the important position of SAM Newsletter Editor.

The SAM web site has been an important place for members and non-members to find information about what is happening in the specialty group. I am grateful to Mark Horner for ensuring a very smooth transition of the SAM web site to OSU. Now, the SAM web site has a new address: <http://www.geography.osu.edu/sam>. I plan to make the web site a more useful portal. A small step toward this goal was a "history project" I conducted in the past two months, as also suggested by Dan Griffith. With tremendous help from the former chairs of both SAM and MM&QM (Mathematical Modeling and Quantitative Methods), a partial account of the specialty group history now can be accessed at <http://www.geography.osu.edu/sam/history.html>. As you can see from this page, more information is needed and your feedback will be much appreciated!

As we keep working on the SAM web site, changes will be noticeable. A new item that will be soon added is for student members. Students have always been a strong and highly visible part of the special group as they participate in a wide range of activities including student paper competitions. Recently we have also seen more students working with their advisors or collaborators in organizing special sessions. Any suggestions about how to make the website more inclusive are greatly welcomed.

Summer of 2009 is winding down in Columbus. While many of us are looking forward to a new academic year, another AAG annual meeting is just around the corner. Here are some highlights of some SAM events. The SAM Board has selected Peter Nijkamp as the speaker of the 2010 SAM plenary session, which will also be announced in this issue of the newsletter. Vice chair Ed Zolnik will organize student paper competition sessions. SAM is committed to sponsor special sessions. As you probably have noticed, the first calls for papers are already posted on the SAM web site. Please feel free to send along your calls and we will be happy to sponsor them and post them on the web.



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## Plenary Lecture and Geographical Analysis Reception

*Time:* April 14-18, 2010  
*Location:* Washington, D.C.

*Sponsored by*  
 Spatial Analysis and Modeling Specialty Group of the AAG  
 Department of Geography, The Ohio State University  
 Geographical Analysis

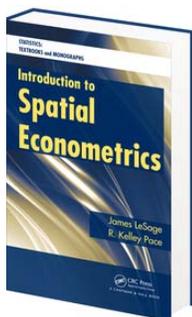
*Speaker*  
**Dr. Peter Nijkamp**  
 Free University, Netherlands

### *Behavior of Humans and Behavior of Models: A Cognitive Perspective*

**About the Speaker:** Dr. Nijkamp is professor of regional, urban and environmental economics, Free University, Amsterdam, The Netherlands. His research fields include urban development, transport and technological innovation, and the maintenance of historic buildings. Dr. Nijkamp started his career as a quantitative economist, specializing in models, statistics and econometrics, and later made a move to regional, urban and environmental economics. Dr. Nijkamp is a member of approximately 20 editorial boards of scientific journals, has supervised more than 60 Ph. D. students, several of them currently holding professorships in various countries. He also is past chairman of the Dutch Social Science Council, a member of the Board of the Royal Dutch Academy (and served as its vice-president), and presently is President of the Governing Board of the Netherlands Research Council (NWO). He is a fellow of the Tinbergen Institute, of the Royal Dutch Academy of Science, of the World Academy of Arts and Sciences, and of the Royal Belgian Academy of Science and Arts. Dr. Nijkamp's name appears near the top of the list of most published Dutch economists; IDEAS ranks him among the top 100 economists in the world. He was awarded the Founder's medal of the Regional Science Association International (2004), the European Prize in Regional Science (2002), and, in 1996, he won the most prestigious scientific award in the Netherlands, the Spinoza Prize. Dr. Nijkamp's research epitomizes the mission of SAM.

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## NOTEWORTHY



**James LeSage and Robert Kelley Pace** published a new book: *Introduction to Spatial Econometrics*.

Although interest in spatial regression models has surged in recent years, a comprehensive, up-to-date text on these approaches does not exist.

Filling this void, *Introduction to Spatial Econometrics* presents a variety of regression

methods used to analyze spatial data samples that violate the traditional assumption of independence between observations. It explores a wide range of alternative topics, including maximum likelihood and Bayesian estimation, various types of spatial regression specifications, and applied modeling situations involving different circumstances.

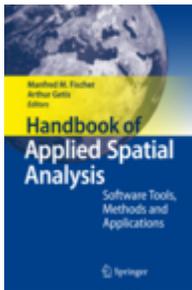
Leaders in this field, the authors clarify the often-mystifying phenomenon of simultaneous spatial dependence. By presenting new methods, they help with the interpretation of spatial regression models, especially ones that include spatial lags of the dependent variable. The authors also examine the relationship between spatiotemporal processes and

long-run equilibrium states that are characterized by simultaneous spatial dependence. MATLAB® toolboxes useful for spatial econometric estimation are available on the authors' websites.

This work covers spatial econometric modeling as well as numerous applied illustrations of the methods. It encompasses many recent advances in spatial econometric models—including some previously unpublished results.

**Publisher's page:**

<http://www.crcpress.com/product/isbn/9781420064247>



This Fall (2009), Springer will publish "*Handbook of Applied Spatial Analysis*" edited by **Manfred M. Fischer** and **Arthur Getis**. This Handbook summarizes, explains, and demonstrates the nature of current models, methods, and techniques for the analysis of

spatial data. The book is designed to be a desk reference for all researchers just getting into the field of spatial data analysis as well as for seasoned spatial analysts. The volume features contributions from the very best scholars in the field. Their explanations are able to communicate the fundamental ideas of their subject area succinctly and accessibly. The Handbook begins by exploring the available software for spatial analysis and then describes briefly but clearly the many techniques embodied in the fields of exploratory spatial data analysis, spatial statistics, geostatistics, and spatial econometrics. In addition, attention is given to the methods used for the analysis of remotely sensed data. Finally, a number of example sections are included that demonstrate the application of spatial analysis in the economic, environmental, and health sciences.

**Publisher's page:**

<http://www.springer.com/economics/regional+science/book/978-3-642-03646-0>

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## NEWS

**Dr. Peter Nijkamp** has reconfirmed his acceptance to be our 2010 Plenary Speaker. His tentative title is "Behavior of Humans and Behavior of Models: A Cognitive Perspective."

This year the **Arthur Getis Lecture Series** at San Diego State University (October 16, 2009) will feature a symposium in honor of Waldo Tobler. Speakers include **Andres Skupin** (SDSU), **S.V. Subramanian** (Harvard), **Arthur Getis** (SDSU) and **Waldo Tobler** (UC Santa Barbara).

### Thinking About Geographic Science and It's Development by Duane Marble

We write a lot about our research results, but there is not a great deal written on the structural status and developmental changes in geographic science and its various subareas. Over the last couple of decades, a number of bibliometric tools have been developed that provide an interesting basis for such investigations. We also have in the online Geographic Information Science and Technology bibliography a potential useful resource for such investigations.

<http://training.esri.com/campus/library/index.cfm>

It would appear to me that such investigations, aside from their own utility, would made very interesting M.A. thesis projects that would provide the student with an in-depth introduction to selected portions of our literature.

If anyone is interested in pursuing work in this area, I will be delighted to discuss it with them. In the meantime, the following will provide some notion of what I am driving at:

- Dastidar, P. and S. Ramachandran (2008). "Intellectual structure of Antarctic science: A 25-years analysis." *Scientometrics* 77(3): 389-414.
- Hengl, T., B. Minasny, et al. (2009). "A geostatistical analysis of geostatistics." *Scientometrics* 80(2): 491-514.
- Zhou, P., B. Thijs, et al. (2009). "Is China also becoming a giant in social sciences?" *Scientometrics* 79(3): 593-621.

Duane Marble

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## JOBS

**Full-Time Tenure-Track, Assistant Professor level, in Geospatial Technologies and Physical Geography. Elmhurst College, Department of Geography and Geosciences, Elmhurst, IL 60126.**

The Elmhurst College Department of Geography and Geosciences announces a full-time tenure-track assistant professor position in GIS/Geospatial Technologies and Physical Geography to begin at the start of the academic year 2010-2011. Elmhurst College is an affirmative action and equal opportunities employer. The College is a private, liberal arts based, four-year institution with eleven graduate programs offered, of approximately 3,300 students in the western suburbs of Chicago, Illinois. It holds a rich tradition of teaching and learning dating back to 1871. Elmhurst College places its highest emphases on both on excellence in teaching and in sustained and superior scholarship. The Department has strengths in physical geography, geographic information systems (GIS), cultural/human geography, and a connection to intercultural studies.

The successful candidate will be a PhD in Geography/GIS or a related discipline, (or ABD in Geography/GIS or related discipline), with an emphasis on Latin America as a regional specialty area. All candidates should have exceptionally strong teaching experiences and a record of excellence in scholarship and involvement in their discipline. The primary roles of the candidate will be to: 1) offer advanced courses in geospatial technologies/GIS; 2) coordinate the Elmhurst College GIS Certificate Program; 3) develop a successful, sustainable recruiting program for undergraduates in the area of geospatial technologies; 4) teach an upper level regional course on Latin America, and 5) teach introductory courses in physical geography and/or meteorology. The starting date for this position is September, 2010. The faculty member will teach a minimum of one or two sections of coursework in upper division GIS courses as well as two courses in introductory physical geography/meteorology per semester (a total of six courses during the academic year).

Information about the Department can be found at <http://www.elmhurst.edu/~geo/> Applications should include: 1) an academic CV; 2) a cover letter that addresses teaching interests and speaks to curricular development in GIS and/or geospatial technologies; 3) evidence of teaching excellence, and 4) contact details for three letters of reference. The Search Committee will start considering applications immediately, and will consider applications until Spring 2010 before an official hiring in preparation for the 2010-2011 academic year. Please direct your submissions to Search Committee, Department of Geography and

Geosciences, Elmhurst College 190 Prospect Avenue, Elmhurst, IL 60126-3296. Email submissions are welcome and encouraged. Please attach relevant documents as MS Word or PDF files. (E-mail: [michaell@elmhurst.edu](mailto:michaell@elmhurst.edu))

### **CCSU GEOGRAPHY: One-year Faculty Position.**

The Department of Geography at the Central Connecticut State University invites applications for a one-year faculty position at the rank of an assistant professor beginning in August, 2009. A Ph.D. in Geography is preferred, ABD will be considered. We seek someone who excels in undergraduate teaching and is able to teach introductory and advanced Geographic Information Sciences and other introductory level geography courses. The courses to be taught for Fall 2009 are Geog 120 World Regional Geography (40 students), two sections of Geog 220 Human Geography (40 students each section), and one section of introduction to GISciences. The Department anticipates advertising for a tenure-track position in GIS in the near future.

Send a cover letter, curriculum vitae, evidence of teaching excellence (such as student evaluation and faculty observation), unofficial copies of university transcripts, and three reference letters to: Dr. Xiaoping Shen, Chairperson, the Department of Geography, Central Connecticut State University, 1615 Stanley Street, New Britain, CT 06050. Tel: 860-832-2794, Fax: 860-832-3140, Email: [shenx@ccsu.edu](mailto:shenx@ccsu.edu). Review of applications will begin August 5th, 2009 and continue until position is filled.

The department is particularly interested in and values candidates who have experience working with students from diverse backgrounds, along with a demonstrated commitment to improving access and the conditions in higher education for less represented students.

Central Connecticut State University aggressively pursues a program of equal employment and education opportunity and affirmative action. Members of all underrepresented groups, women, veterans, and persons with disabilities are invited and encouraged to apply.

### **OKLAHOMA, NORMAN 73019.**

The Department of Geography at the University of Oklahoma (<http://geography.ou.edu/>) invites applications for a nine-month, tenure-track faculty position. Appointment may be made at the rank of

Assistant Professor or Associate Professor, depending on qualifications. Post-doctoral experience desirable but not required. Salary commensurate with experience. The start date is August 16, 2010 but an earlier starting date may be possible if mutually beneficial. Ph.D. required at time of appointment.

The Department seeks an outstanding researcher and teacher who applies Remote Sensing and GIS to the study of environmental resources or human environment relationships. Potential fields of scientific investigation could include, but are not limited to: cultural and indigenous geographies; renewable energy and sustainable development; and natural resource management. Demonstrated ability to secure external funding is an advantage. Ability and willingness to teach undergraduate and graduate level courses in both Remote Sensing and GIS are required. A normal teaching load is two courses per semester.

The University offers collaborative research opportunities with the Oklahoma Wind Power Initiative (<http://www.ocgi.okstate.edu/owpi/>), the Center for Spatial Analysis (<http://csa.ou.edu/>), the Oklahoma Alliance for Geographic Education (<http://www.ou.edu/OKAGE>), and centers in the College of Atmospheric and Geographic Sciences (<http://ags.ou.edu/index.php>), as well as many cross-disciplinary programs across campus.

An application should include a letter of interest describing the applicants views on teaching, research and development, and outreach; a complete curriculum vitae or resume; and the names and email addresses of three references. Applications should be sent electronically to Dr. Scott Greene, Search Committee Chair at [jgreene@gcn.ou.edu](mailto:jgreene@gcn.ou.edu).

Review of applications will begin on October 15th and continue until the position is filled.

The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply

### **Need for volunteers to support Broad Band Mapping technical grant review process.**

All, Booz Allen is supporting NTIA in their grants management program for the Broad Band Grants and the Broad Band Mapping Grants to states. At present our highest priority is to find reviewers for the Broad Band Mapping Grants Process which will start immediately (2 weeks). We would like to go with a pool of 35 reviewers. Ideally these reviewers would have GIS and Grants management/ review experience. At present we are seeking applicants

from Federal and State Governments, as well as academic institutions. We will also accept names from the private sector but conflict of interest issues may arise. Below are links to two documents that describe our call and also layout the confidentiality and conflict of interest rules.

<http://www.broadbandusa.gov/files/CallForReviewermapping.pdf>

[http://www.broadbandusa.gov/files/ConfidentialityStatement%20\\_Broadband%20Mapping%20Program\\_.pdf](http://www.broadbandusa.gov/files/ConfidentialityStatement%20_Broadband%20Mapping%20Program_.pdf)

NTIA (and I) would be grateful if you could give this request high priority as our deadlines are looming.

**The Criminal Justice Research Center at Ohio State University announces an opening for a Senior Research Associate with substantive interests in neighborhood effects and problem behaviors (e.g., adolescent drug use, delinquency, and other risk behaviors).** The Research Associate will work on a National Institutes of Health funded project examining neighborhood and activity space effects on health and risk behaviors as part of an interdisciplinary team including sociologists, geographers, and statisticians.

The Research Associate will be responsible for daily management and supervision of graduate research associates and will have an integral role in the conceptualization and organization of data analysis, formulation and preparation of papers for publication, report writing, and overall data management and documentation.

Eligibility: Candidates should have a Ph.D. in a relevant social science or related discipline, experience using advanced statistical methods and working with large-scale survey data, and excellent writing skills. Experience with the Los Angeles Family and Neighborhood Survey or Geographic Information Systems software and spatial analysis are desirable.

Appointment: The start date is as soon as can be arranged. The appointment is for two years. Salary will depend on the experience/credentials of the appointee.

Application Process: Applications will be reviewed upon receipt until the position is filled. Applications should include: (1) a cover letter describing expertise related to the position; (2) a curriculum vitae; (3) relevant manuscripts (up to three); and (4) names and addresses of three references that can be asked to write on behalf of the

applicant. These application materials should be sent to:

Dr. Ruth Peterson, Director  
Criminal Justice Research Center  
The Ohio State University  
231 Journalism Building  
242 W. 18th Ave.  
Columbus, Ohio 43210  
Peterson.5@sociology.osu.edu

Inquiries may also be sent to Co-Principal Investigators Christopher Browning (Sociology), Catherine Calder (Statistics), Lauren Krivo (Sociology), and Mei-Po Kwan (Geography).

"To build a diverse workforce Ohio State encourages applications from individuals with disabilities, minorities, veterans, and women. Ohio State is an EEO/AA Employer."

**Physical Geography at Minnesota.** The Department of Geography at the University of Minnesota seeks a full-time, tenure-track Assistant Professor in Physical Geography with a focus on environmental variability and change, broadly defined, and with expertise in analytical, quantitative, and/or modeling techniques. We welcome applications from scholars working in all areas of environmental variability and change, and are particularly interested in scholars with expertise in the areas of (1) environmental change in urban/built environments; (2) the interactions among environmental changes and water and land resources; (3) environmental variability and its connections with vulnerability and hazards; and/or (4) environmental variations in past and/or future environments.

All applications materials must be submitted electronically to be considered. We will begin accepting applications electronically on or near 1 September 2009. At that time we will publish a link to our application page on the U of M's Human Resources site. Applications will be considered complete upon receipt of all materials, including reference letters. Review of applications will begin on 15 October 2009 and will continue until the position is filled.

Please visit our web page at <http://www.geog.umn.edu/> for the complete job description and for more information about the Department of Geography at the University of Minnesota. For additional information about the

position, please contact Katherine Klink ([klink@umn.edu](mailto:klink@umn.edu)).

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## CALLS AND MEETINGS

### Call for Papers: 56th North American Regional Science Association International Conference.

Join us in San Francisco, California for the 56th North American Regional Science Association International (RSAI) Conference sponsored by the North American Regional Science Council (NARSC) and the Western Regional Science Association (WRSa). The conference will be held at the Grand Hyatt in Union Square, from Wednesday, November 18 to Saturday, November 21 2009.

For your convenience, we have updated our on-line abstract submission and payment registration system. You can learn more about the conference, submit an abstract, and register for the conference at the NARSC Website at: <http://www.narsc.org/>

It is easy to register. Click on the link to the conference section for general information on the conference. To register for the conference or submit an abstract/session online you must first login to the User Area via the button that is located at the top left of the webpage. If you attended the NARSC conference last year, or a recent conference organized by WRSa, MCRSA/CRSA, SRSA, or RSAmericas, and remember your username and password, you are ready to proceed. If you attended an earlier conference, attended one of the conference mentioned above and forgot your username/password, or are a member of a North American regional science organization who never attended any of these meetings, you will be asked to enter your provided username and password when you reach the login page of the User Area. Otherwise, when you reach the login page of the User Area, you will be asked to click on a link and enter your e-mail address so we can check if you are already in our database. If you are in our database, your username and password will be e-mailed to you so you can login. If you are not in our database, you will need to register for a free NARSC user account and then you will be able to register for the conference and submit an abstract.

Once logged in, you can change your password, update your profile, submit an abstract/session, register for the conference starting on May 22, and

check the status of your registration. You will be able to come to login to your account in the User Area subsequently using your valid username and password. In case you forget your password, just contact technical support at support@dreamco.com with a click on the "Forgot your password?" link in the User Area, enter your e-mail address and your e-mail address and your password will be e-mailed to you so you can login. If you do not receive your password via e-mail, check to make sure that there are no messages from narsc.org that were caught by your spam filter.

Individual papers and sessions must be submitted online in the abstract submission section of the Website between May 22 and August 1, 2009. The conference registration section is open and allows secure electronic financial transactions. We are also pleased to continue the graduate student paper competition. Be sure to consult the conference website for additional information and details.

Conference organizers welcome individual papers and organized sessions relating to a wide variety of topics inclusive within the diverse realm of regional science. We are an international scholarly organization that focuses on regional analysis, ranging from urban and spatial theory to applied problems in regional development, sustainability, environmental management, and rural land use. We are an interdisciplinary association, with members representing fields as diverse as economics, agricultural economics, public policy, urban planning, civil engineering, geography, finance, and demography. A variety of topics at the intersection of Regional Science and Geographic Information Science is welcome, especially Spatial Analysis, Spatial Statistics, Decision Support Systems, Location Modeling, and others. The annual North American RSAI conference is the premier regional science meeting in North America and attracts scholars and practitioners from around the world.

A block of rooms have been reserved at the Grand Hyatt at a rate of **\$199** per night. We advise you to make your reservations early to secure your own spot on the premises of what will be another memorable event.

This year, a new schedule for conference registration and placement of paper on the conference program will be implemented. Once you have been received notification from the Program Chair of acceptance of

an abstract or organized session, all participants are required to register and **pay the conference registration fee within two weeks** in order to confirm placement on the Program. In no case will a paper or session be included on the Preliminary Program posted on or around October 1 unless all relevant participants are registered. In the case of a paper submission, this means payment by at least one (presenting) author. In the case of an organized session, this means payment by at least one (presenting) author for each of the included papers in the session. Acceptance notification will be issued before August 15, 2009.

If you have questions about the program, local arrangements, or submitting a paper or session, or experience any difficulties, contact the 2009 Program Chair, Serge Rey  
Tel.: 480-965-7533  
Email: srey@asu.edu

For local arrangements issues, please contact the 2009 Local Organizing Committee Chair, David Plane  
Email: plane@u.arizona.edu

We look forward to seeing you in San Francisco!

### **Call for Papers: Cartography and Geographic Information Science Special Issue on "Mapping the Census".**

Guest Editors  
Ningchuan Xiao, Department of Geography, The Ohio State University (xiao.37@osu.edu)  
Kevin Hawley, Geography Division, US Census Bureau (kevin.j.hawley@census.gov)

Census data has provided tremendous opportunities for social science, economic, business, and geographic research. However, there are fundamental challenges that cannot be overlooked, especially as we approach a new round of censuses in many countries. This special issue of Cartography and Geographic Information Science (CaGIS) on "Mapping the Census" is intended to cover topics relating to the use of census data for a wide range of readers. Here, we use the term "mapping" in a broad sense referring to various methods that can be used to analyze, understand, and visualize the spatial aspect of census data. We invite submissions that focus on census data from the perspectives such as cartography, visualization, spatial analysis and modeling, population and urban studies, geostatistics, and uncertainty. The following is a non-

exclusive sample of research topics in these areas; we welcome papers that address all issues related to the spatial aspects of census data.

\* Cartography and visualization. Effective techniques for visualizing census data on maps and the Internet; the integration ("mash-up") of census data with various online mapping services such as Google Maps, MapServer, and GeoServer.

\* Computation. Novel methods that can be used to handle the massive volume of census data; spatial data mining of census data; the use of census data in collaboration with ancillary, volunteered geographic information available on the Internet or a local geodata base.

\* Delineation. The delineation of geographic areas using census data or other data sources; interpolation of census data across different geographical areas with different scales; the improvement of census geographies.

\* Modeling. Methods that address the Modifiable Areal Unit Problem (MAUP) caused by spatial aggregation in census data; modeling and mapping census undercount and its spatial impacts; the estimation of daytime and nighttime population or other census variables between decennial censuses; the use of census data to support quantitative or qualitative population analysis.

Full papers should be submitted in Word document to the guest editors (xiao.37@osu.edu and kevin.j.hawley@census.gov) as email attachments by November 23, 2009. The special issue is planned to publish in July 2010. All submissions will be peer-reviewed using the regular CaGIS review process. For information on manuscript format and style, please see the CaGIS guidelines for authors at <http://www.cartogis.org/publications/document.2006-09-05.7116381016>. Please contact the guest editors for any

**2010 AAG ANNUAL MEETING, April 14-18, 2010 – Washington, DC.** Start making plans for the 2010 AAG Annual Meeting in Washington, DC, home of the Association of American Geographers and the heart of the U.S. Federal Government. In addition to many scholarly presentations, the 2010 Meeting will feature opportunities for interactions with government agencies and will

include keynote speakers from nonprofit groups and other influential nongovernmental organizations located in the nation's capital. The District of Columbia is home to 174 foreign embassies, many high profile NGOs, and numerous universities.

This year's meeting will be held at the Marriott Wardman Park Hotel and Omni Shoreham Hotel.

#### Conference Highlights

- Presentations by leading scholars and researchers from more than 60 countries
- An international networking reception
- Exhibitions showcasing recent scholarly publications, advanced geographic technologies, and expanding employment opportunities

Numerous field trips to explore the rich cultural and physical geography of Washington and the surrounding region

#### *Call for Papers*

The AAG abstract and session submission website opens on August 10, 2009

The AAG Annual Meeting accepts all submitted abstracts for presentation. If you have any questions about these guidelines please direct them to Oscar Larson at [meeting@aag.org](mailto:meeting@aag.org).

#### *Abstracts*

Everyone who presents a paper, illustrated paper, or poster presentation must submit an abstract of no more than 250 words that describes the presentation's purpose, methods, and conclusions. Please be sure to include keywords (see abstract instructions). All abstracts must be submitted online after you have registered for the conference. Your abstract will not be edited; you are responsible for any spelling, grammatical, and typographical errors. Use the active voice for your abstract and presentation. Transmit your research results clearly and concisely. Avoid jargon.

Submission of an abstract grants the AAG permission to include it in the meeting abstract compilation and to disseminate it electronically.

#### *Abstract Instructions*

Please notice and adhere to the following format instructions for the *body* of the abstract:

- Do not put your name and affiliation in the body of the abstract.
- Do not enter the title in the body of the abstract.
- Do not use abbreviations.
- Do not use underlining, boldface type, italics, subscripts, or superscripts.
- Do not include any codes for justification, hyphenation, line height, line centering, margins, spacing, fonts, page centering, page numbering, suppression, or tabs, in your abstract.
- Do not use bulleted lists.
- Do not include phone numbers or e-mail addresses in the body of the abstract.
- Do not use all caps.

### ***Guide to Selecting Keywords for your Abstract***

Keywords may be compound (such as “political geography”). Keywords should generally be nouns instead of adjectives or adverbs. Do not use abbreviations. In creating your keywords, try to think of how someone might want to search for your topic in the abstract volume.

If your presentation is about color cartography, an appropriate keyword might be “cartography-color.” Under no circumstance can you use a comma *within* a keyword.

Make certain your geography is not too specific. For example, suppose your paper is about southwestern Kentucky. A user of the abstract volume interested in Kentucky is going to search under the letter “K” instead of “S.” Therefore, use either “Kentucky” or “Kentucky-southwest” as a keyword.

In referring to a systematic sub field, *do use* the word “geography.” Use “*economic geography*” as the keyword and not “*economic*.” If you have a choice between the plural and the singular form, use the plural. If your keyword could be “race” or “races,” use “races.”

***SAMPLE: Keywords: cartography, atlases, United States***

**Urban Climate-focused session** at the forthcoming Association of American Geographers (AAG) meeting to be held in the spring of 2010 in Washington, DC.

### ***Call for papers:***

The abstract and session submission for AAG has begun on 10 August 2009. More information can be found at: <http://www.aag.org/>

Session Organizer: Chandana Mitra, PHD Candidate, University of Georgia.

Session Chairperson: Dr. Marshall Shepherd, Associate Professor, University of Georgia.

If you are interested in presenting a paper in this session, please contact Ms. Chandana Mitra at [chandana.tina@gmail.com](mailto:chandana.tina@gmail.com) or [chandana@uga.edu](mailto:chandana@uga.edu)

The description of the session is listed below:

Urban climate: Local, regional and global impacts.

Although currently only a small fraction of the Earth's land is considered urban, spatial coverage and density of cities are expected to rapidly increase in the near future. The United Nations estimates that by the year 2025, 60% of the world population will live in cities by 2025. The scientific literature continues to document how urbanization is influencing the climate system at local, regional, and global scale s all over the world, irrespective of whether it is a developed or developing country. Increasingly, the role of urban climate processes must be integrated into broader discussions related to climate change, adaptation, and mitigation (e.g., Intergovernmental Panel on Climate Change).

While the urban heat island is well studied, new knowledge continues to emerge from the literature. Further, contemporary research is establishing the effects of urbanization on the cycling of water, carbon, aerosols and nitrogen in the climate system. The aim of this paper session is to provide a platform for scholarly studies on the urban climate system: including observational, modeling, theoretical, forecasting, climate projections and applications. We invite submissions that encompass advances in scientific research, adaptation-mitigation strategies, stakeholder-policy strategies, and other relevant topics.

### **Call for Papers: Time Geography: Its Past, Present and Future.**

2010 Annual Meeting of the Association of American Geographers. April 14 – 18, 2010. Washington, D.C.

This session is sponsored by the Transportation Geography Specialty Group (TGSG), the GIS Specialty Group (GISSG), and the Spatial Analysis and Modeling Specialty Group (SAM) of AAG.

There is a reviving and growing interest in time geography. We have seen an increasing number of people attending the time geography sessions that we have organized at the AAG meetings since 2007. The year of 2010 will be the 40th anniversary of Torsten Hägerstrand's seminal paper of time geography - *What about People in Regional Science?* published in 1970. We would like to organize paper sessions at the 2010 AAG annual meeting to review the past of time geography, to exchange thoughts about the present status of time geography, and to discuss the future directions of time geography. We welcome papers related to all aspects of time geography including, but not limited to, papers discussing the history, theory, applications, or computational implementation of time geography.

Those interested in giving a presentation in the time geography paper session, please email your abstract of no more than 250 words, contact information, and the presenter's personal identification number (received from the AAG after online registration at <http://www.aag.org>) to one of the organizers listed below by Friday, October 23, 2009. We also would appreciate it if you could drop an email to one of the organizers at your earliest convenience to inform us your intention of giving a paper in the time geography paper session. Thank you!

**Organizers:**

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**GIScience 2010** (<http://www.giscience2010.org/>) Zurich, Switzerland will be the host city of the sixth GIScience, continuing a highly successful series of

conferences that commenced in 2000, and which regularly attracts over 200 international researchers. GIScience 2010 aims to bring together scientists from academia, industry, and government to discuss the state-of-the-art in geographic information science, and explore emerging research directions.

The conference focuses on **basic research findings** across all sectors of the field, and pure application papers are discouraged. The conference has **two refereed submission tracks**: full papers and extended abstracts.

Pre-conference workshops and tutorials (Sep. 14) and the main conference (Sep. 15-17) will take place at the University of Zurich-Irchel campus, featuring state-of-the-art conference facilities within a park-like setting. The conference site is located only 20 minutes from both downtown and Zurich Airport, and is easily accessible through public transport.

**TOPICS AND TRACKS:**

Fundamental research findings and emerging topics across all sectors of geographic information science (GIScience) are welcomed. The conference attracts leading researchers from all cognate disciplines to reflect the interdisciplinary breadth of GIScience, including (but not limited to) geography, cognitive science, computer science, engineering, information science, mathematics, philosophy, psychology, social science, and (geo)statistics.

Since GIScience 2010 focuses on advances in the fundamentals of geographic information science, submission of pure application papers is discouraged. To accommodate the variety of publication cultures within an interdisciplinary research community, GIScience 2010 provides two refereed submission tracks: full papers and extended abstracts.

Full paper track: Publication in Springer Lecture Notes in Computer Science (LNCS)

Full papers, consisting of maximum 14-page manuscripts, will be thoroughly reviewed by at least three members of the international program committee. High-quality submissions will be accepted for presentation at the conference and published in the Springer LNCS ([www.springeronline.com/lncs](http://www.springeronline.com/lncs)). Manuscripts must describe original work that has neither been previously published, nor is currently under review elsewhere. Papers must be written in English according to the GIScience-specific Springer LNCS

formatting guidelines. For detailed guidelines, see <http://www.giscience2010.org/index.php?page=submission>.

#### Extended abstracts track

Publication in separate Conference Proceedings Volume. Extended abstracts of 1500 words, describing work in progress, will be reviewed by at least three members of the international program committee and, if accepted, selected for oral or poster presentation. Extended abstracts must be written in English according to the formatting guidelines to be published on the conference web site.

#### WORKSHOPS & TUTORIALS:

GIScience 2010 pre-conference workshops and tutorials will be held on September 14, 2010 at the University of Zurich, Irchel campus. Workshops and tutorials provide two modes of complementary fora to the main conference. Thus, we specifically encourage tutorials introducing new ideas, and workshops based around small group discussions on emerging topics that facilitate dialogue across disciplinary boundaries. One-day mini-conferences filled only with paper presentations are discouraged.

#### IMPORTANT DATES

Workshop and Tutorial proposals due January 7, 2010

Workshop and Tutorial notification January 29, 2010

Full papers due January 29, 2010

Full paper notification March 15, 2010

Extended abstracts due April 30, 2010

Extended abstract notification June 15, 2010

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#### COMPETITIONS

**The Spatial Analysis and Modeling (SAM) Specialty Group** of the Association of American Geographers is sponsoring a **student paper competition** at the 2010 AAG Meeting in Washington, DC. Prizes will total a minimum of \$1000.

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.

#### Submission Procedures:

1) 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 that the student had in completing the paper. The entrant need not be a student at the time of the 2010 AAG meeting to enter the competition.

2) 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.

3) Entrants will present their papers in an AAG session sponsored or co-sponsored by SAM. Persons wishing to enter the competition should submit the title and abstract of their paper to SAM Vice-Chair Ed Zolnik ([ezolnik@gmu.edu](mailto:ezolnik@gmu.edu)) after registering to attend the 2010 AAG. Entrants should also include the PIN from their registration so that SAM can coordinate with the AAG to place competition papers into the appropriate session(s). The deadline to enter the competition is October 1, 2010. The deadline to submit completed papers in .doc or .pdf format to same e-mail address ([ezolnik@gmu.edu](mailto:ezolnik@gmu.edu)) is FEBRUARY 1, 2010.

4) A panel of judges will review the papers before the AAG meeting. 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](http://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

The newsletter reaches about eight hundred readers and is therefore an excellent venue for getting the word out on community news, departmental happenings, research findings, media appearances, book publications, and the like. We also invite you to submit commentaries or features of broad interest to specialty group members. The newsletter is a good place to post calls for papers, proposals, awards, grants, fellowships, and jobs. You can also make early announcements of special sessions or other activities for next year's AAG meeting in Washington.

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 Fang Qiu (ffqiu@utdallas.edu) in text or rich text format. Photos or other images, with captions, are also welcome (GIF, JPG, or PNG).

### SAM Newsletter Editor

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