



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

Table of Contents

From the chair 1

Sponsored sessions at AAG 2

Jobs 3

Meetings 14

Information 15

### FROM THE CHAIR

Dear SAM Members,

It has been a busy year for the SAM Board and I would like to thank everyone for the hard work. My thanks go to Fang Qiu (University of Texas at Dallas) who organized three successful student paper sessions in the Seattle AAG Annual Meeting, Eric Delmelle (University of North Carolina at Charlotte) who has worked hard to keep our Newsletter on schedule, Robert Gilmore Pontius (Clark University) and An Li (San Diego State University) for their help in judging student papers, Changjoo Kim (University of Cincinnati) and Michael Widener (SUNY Buffalo) for their leadership in administrating the first SAM electronic elections in March, and Joni Downs (University of South Florida) who organized many SAM special sessions for the upcoming Annual Meeting in New York.



SAM welcomes new Board member Joni Downs and student representative Dan Runfola (Clark University). We thank outgoing members Robert Gilmore Pontius and Michael Widener for their service in the past three years.

The terms of myself (as Chair) and Eric Delmelle (as a regular Board member) will expire next year. You will be seeing emails calling for nominations soon. I would encourage you to serve for the specialty group at the capacity of these two positions.

We are expecting an exciting Annual Meeting in New York. SAM has sponsored or cosponsored 68 special sessions. Among these sessions, we will have three student paper competition sessions scheduled on Saturday, February 25. Please come and support our students! The **SAM Plenary Lecture and Geographical Analysis Reception** are also scheduled on Saturday from 4:40 - 6:20 PM. *Robert Haining* (Cambridge University) will give a lecture with a title of "Space-Time Modeling to Support Local Policing."

From Columbus, Happy Holidays to all SAM members!

Ningchuan Xiao

Department of Geography  
The Ohio State University

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## SAM-SPONSORED SESSIONS AT AAG

1. *Accessibility and Social Inclusion*
2. *Accessibility Planning and Practice*
3. *Advances and Challenges in Digital Elevation Models I*
4. *Advances and Challenges in Digital Elevation Models II*
5. *Advances and Challenges in Digital Elevation Models III*
6. *Advances and Challenges in Digital Elevation Models IV*
7. *Agent-Based Models and Geographical Systems: Decision Making*
8. *Analysis of Multi-temporal Remotely Sensed Data: Methods and Applications (I)*
9. *Analysis of Multi-temporal Remotely Sensed Data: Methods and Applications (II)*
10. *Coupled Socio-Ecological Systems in Urban Environments - Session 1*
11. *Coupled Socio-Ecological Systems in Urban Environments -2*
12. *Crime Modeling and Mapping*
13. *Crime Modeling and Mapping*
14. *CyberGIS for Synergistically Advancing Cyberinfrastructure and GIScience: Computation and Software*
15. *CyberGIS for Synergistically Advancing Cyberinfrastructure and GIScience: Domain Applications and Sciences*
16. *CyberGIS for Synergistically Advancing Cyberinfrastructure and GIScience: Principles and Methods*
17. *CyberGIS for Synergistically Advancing Cyberinfrastructure and GIScience: Progress and Roadmap*
18. *CyberGIS for Synergistically Advancing Cyberinfrastructure and GIScience: Theories*
19. *Ecological and hydrological modeling across various landscapes*
20. *Ecological Modelling*
21. *Economic Impacts of Accessibility*
22. *Frontiers of Spatial Autocorrelation*
23. *Geographic Frontiers in the Federal Statistical Agencies*
24. *Healthcare Workforce Geography*
25. *High Performance Computing: Remote Sensing and Geographical Information Applications*
26. *Highlights in Spatial Analysis and Modelling*
27. *Landscape metrics and habitat fragmentation*
28. *Location analysis and modeling*
29. *Measuring Accessibility*
30. *Monitoring and Forecasting Urban Growth: Lessons Learned and Moving Forward From Two Workshops*
31. *Network modeling and human mobility*
32. *Progress and Prospects of Time Geography and Space-Time Analysis*
33. *Reflections on Geographic Information Science: Panel Session in Honor of Michael Goodchild*
34. *Reflections on Geographic Information Science: Paper Session in Honor of Michael Goodchild*
35. *SAM Student Paper Competition I*
36. *SAM Student Paper Competition II*
37. *SAM Student Paper Competition III*
38. *SLEUTH Symposium I: After 15 years with the SLEUTH model, what we've learned and where we're headed*
39. *SLEUTH Symposium II: After 15 years with the SLEUTH model, what we've learned and where we're headed*
40. *SLEUTH Symposium III: After 15 years with the SLEUTH model, what we've learned and where we're headed*
41. *Small Area Estimation Methods, Uncertainty, and Applications 1*
42. *Small Area Estimation Methods, Uncertainty, and Applications 2*
43. *Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception*
44. *Spatial Analysis and Modeling Specialty Group Business Meeting*
45. *Spatial Epidemiology I: Infectious Disease*

46. *Spatial Epidemiology II: Chronic Diseases*
47. *Spatial Epidemiology III: Modeling and Clustering*
48. *Spatial Epidemiology IV: GIS applications and Geocoding*
49. *Spatial Epidemiology V: Health Care Accessibility*
50. *Spatial Optimization and Analysis I*
51. *Spatial Optimization and Analysis II*
52. *Spatial statistics and network analysis*
53. *Spatio-Temporal Data Mining and Visual Analytics (1)*
54. *Spatio-Temporal Data Mining and Visual Analytics (2)*
55. *Spatio-Temporal Data Mining and Visual Analytics (3)*
56. *Spatio-Temporal Data Mining and Visual Analytics (4)*
57. *Spatiotemporal Thinking and Computing I -- How do we think and compute spatiotemporally in geography?*
58. *Spatiotemporal Thinking and Computing III --- Computing and Software*
59. *Spatiotemporal Thinking and Computing IV --- Application*
60. *Spatiotemporal Thinking and Computing - VI Panel*
61. *State of the Art: Social-Ecological Systems Theories, Methods, and Models*
62. *Statistical and Computing Methods for Spatiotemporal Analytics*
63. *Teaching quantitative methods and numeracy in Geography: challenges, opportunities and new ways of learning*
64. *Time Geography: Theoretical Developments and Applications I*
65. *Time Geography: Theoretical Developments and Applications II*
66. *Trajectories, Time Geography, and Uncertainty*
67. *Using Spatially Explicit Simulated Data for Modeling and Geovisualization*
68. *Wilderness Search & Rescue and GIScience*

## TENURE-TRACK JOBS \*

### ARIZONA, TEMPE

The School of Geographical Sciences and Urban Planning at Arizona State University has two openings for faculty positions: Job #9922:

**Climate – Assistant or Associate Professor;**

Job #9923: **GIS and Spatial Analysis – Assistant or Associate Professor.** For more information please go to:

[http://geoplan.asu.edu/faculty\\_positions](http://geoplan.asu.edu/faculty_positions).

Review of application will begin December 1, 2011. Weekly rolling deadline until filled.

### ARKANSAS, FAYETTEVILLE

Assistant Professor in Geoinformatics. The Department of Geosciences at the University of Arkansas invites applications for a 9-month tenure-track assistant professor position with an anticipated start date of August, 2012. This is one of several new faculty positions that are to be filled in anticipation of a new Ph.D. program in Geosciences. We are seeking an outstanding individual with expertise in a broad area of geoinformatics that could include **GIScience, geocomputation, remote sensing, high performance GIS, interoperability, and geovisualization**. Applicants must be committed to teaching a broad range of courses and demonstrate ability and commitment to develop an independent externally funded research program as well as the potential for collaboration and synergy with ongoing research in the Department of Geosciences (<http://geosciences.uark.edu>) and the Center for Advanced Spatial Technologies (<http://cast.uark.edu>) as well as all Ph.D. requirements completed at the time of the appointment.

Apply: Applicants should submit their curriculum vitae, brief statements of research and teaching interests, and the names, addresses and contact information for at least three professional references to: Dr. Thomas O. Graff, Search Committee Chair, Department of

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

Geosciences, 113 Ozark Hall, University of Arkansas, Fayetteville, AR 72701.

An electronic application in one PDF file is also welcome. Review of applications will begin January 15, 2012 and will continue until the position is filled. Please send to [tcenter@uark.edu](mailto:tcenter@uark.edu).

### **COLORADO, DENVER**

The Department of Geography at the University of Denver invites applications for a tenure-track Assistant Professor in **Geographic Information Science**, beginning in September 2012. The successful candidate will be expected to teach introductory and advanced courses in geographic information systems and other advanced GIScience courses; advise graduate and undergraduate students; and maintain an active research program including the acquisition of external funding.

The University of Denver is a mid-sized independent institution situated in Colorado's dynamic Front Range urban corridor. The Department of Geography consists of fourteen faculty members and offers the PhD in Geography, Masters degrees in Geography and GIScience, undergraduate majors in Geography and Environmental Science, and undergraduate minors in GIScience, Geology, Sustainability, and Tourism. In addition, the department has an internship program in which graduate and undergraduate students work with public and private organizations, including ESRI and the Denver Regional Council of Governments (DRCOG) on numerous projects, many of which involve the use of various geographic information related technologies.

The Department is housed in newly renovated facilities, and is equipped with first class teaching, research, and computer laboratories. The University maintains a corporate partnership and site license with ESRI. Facilities include three GIS instructional labs, a remote sensing lab, climate lab, soils lab, palynology lab, a regional GPS base station, and a special projects lab. For more information see our web page at [www.geography.du.edu](http://www.geography.du.edu).

Required Qualifications: Ph.D. in Geography or

related discipline by September 1, 2012. Closing Date: Open until filled. Review of completed applications begins January 16, 2012.

Apply: Qualified applicants should submit an application, cover letter, resume and the names and contact information of three references online at <http://www.dujobs.org/postings/15447>.

### **FLORIDA, MIAMI**

The University of Miami Department of Geography and Regional Studies seeks a Medical Geographer at the rank of Assistant Professor with interests in one or more of the following areas: environmental health, spatial dimensions of infectious or chronic disease, climate-health interactions, or water-quality issues. Candidates should be broadly trained in the physical and social aspects of human-environment interactions. We seek someone who will realize synergies with other disciplines and academic centers at UM including the Abess Center for Ecosystem Science and Policy and the Miller School of Medicine. We expect that the person will have a strong research focus and will be capable of teaching introductory and upper-level courses in environmental geography, environmental policy, and quantitative methods (including statistics), as well as contribute to our GIS Certificate Program. We will also be highly receptive to applicants who have interest and experience in environmental issues as they pertain to Latin America.

Apply: Applicants should possess a Ph.D. in Geography or a related discipline at the time of appointment and must submit a curriculum vitae, a maximum of three sample publications, a statement of interest that outlines his/her research and teaching philosophy, and three letters of recommendation to Dr. S. Sen Roy, University of Miami, Coral Gables, FL 33124-2221. Application materials may also be sent electronically to [ssr@miami.edu](mailto:ssr@miami.edu). Please visit our website at

<http://www.as.miami.edu/geography> to learn more about the department. Application Deadline: December 15, 2011.

**GEORGIA, ATHENS**

The Department of Geography at the University of Georgia seeks applications for a tenure-track Assistant Professor in **GIScience** with specialization in Remote Sensing to start August 2012. Ph.D. required at time of appointment.

We seek applications from scholars with expertise in remote sensing and image processing, including but not limited to active remote sensing (e.g., LiDAR and RADAR), hyperspectral imaging and emerging areas of geovisualization and geographic object-based image analysis (GEOBIA). Application areas for a successful candidate could include urban systems, biogeography, conservation, landscape evolution, environmental change and public health, at local to global scales. The successful candidate should have a promising or established program of research and a record of, or potential for, securing funding from external sources. Excellence in teaching and graduate mentoring is expected. The successful candidate will play an important role in the department's graduate and undergraduate Geography degrees and GIScience certificate programs. The successful candidate also will have the opportunity to collaborate with the Center for Remote Sensing and Mapping Science (CRMS), a research unit within the Department of Geography. Other potential collaborative units on campus include the Department of Geology, Department of Marine Sciences, College of Public Health, College of Environment and Design, Warnell School of Forestry and Natural Resources and the Center for Integrative Conservation Research. More information about the department is available at <http://www.ggy.uga.edu>.

To apply: Send a letter of application outlining a research agenda and teaching philosophy, curriculum vitae and up to three reprints/samples of written work; also arrange for three letters of reference to be sent. To be assured full consideration, applications must be received by November 30, 2011. Apply: Marguerite Madden, Chair, Remote Sensing Search Committee, Department of Geography, University of Georgia, Athens, GA 30602-2502.

Voice: (706) 542-2379. Fax: (706) 542-2010.  
[mmadden@uga.edu](mailto:mmadden@uga.edu).

**ILLINOIS, DEKALB**

Northern Illinois University. The Department of Geography (<http://www.geog.niu.edu>) invites applications for 2 full-time tenure track faculty positions starting August 2012 (anticipated). Ph.D. in geography or related field required at time of appointment for all positions.

**Position 1: Assistant Professor, economic geography.** Research and teaching specialization in any of the following: location theory, transportation, industrial geography, ecosystem services, energy/resource geography, spatial economic modeling. Demonstrable skills in spatial econometrics required.

**Position 2: Assistant Professor, GI Science.** Research and teaching specialization in GI science, GIS programming, spatial databases, Web GIS. Teaching interest in geomatics, population, political or regional geography especially welcome.

The Department of Geography offers graduate programs leading to the PhD and MS in geography, undergraduate degree programs in geography and meteorology, and certificate programs in GIS and homeland security. The department also participates in interdisciplinary programs through the centers for Latino and Latin American Studies, Southeast Asian Studies, and Non-Governmental Organizations Leadership and Development, the Women's Studies Program, and the Institute for Environment, Sustainability, and Energy Studies. Preference will be given to persons who can collaborate with faculty in the department and college, and assist in expanding opportunities for student learning and research beyond the university.

Submit an application portfolio consisting of: a letter identifying the position to which you are applying along with teaching and research interests; a curriculum vita; publications or examples of writing; evidence of teaching effectiveness; and available evidence of external

funding experience to [bvoga@niu.edu](mailto:bvoga@niu.edu). Applicants should arrange to have three letters of reference sent to the same address. Complete applications must be received by December 20, 2011.

### **ILLINOIS, NORMAL**

Illinois State University, Assistant Professor in Urban Geography. The Department of Geography-Geology at Illinois State University invites applications for a tenure-track position at the Assistant Professor level. The preferred starting date is August 16, 2012. A PhD in Geography or a closely related field is preferred, but ABD candidates will be considered. The department seeks a candidate with a strong potential for scholarly research, publication, and teaching in **Urban Geography with emphasis in human-environment interactions and/or GIS**. Ability to teach GIS is a plus, as is a willingness to advance the mission of our GEOMAP office. The successful candidate is expected to seek extramural funding. A strong interest and expertise in conducting field-based research also is desired. The potential for a significant startup package exists. ISU is a research-intensive university with an annual enrollment of approximately 20,000 students. ISU is located in the Bloomington-Normal metropolitan area of central Illinois with a population of approximately 150,000. The Department of Geography-Geology offers B.S. degrees in Geography and Geology, and M.S. degrees in Hydrogeology.

Apply: Please send applications to Dr. David Malone, Urban Geography Search Committee, Department of Geography-Geology, Illinois State University, Normal, Illinois, 61790-4400, USA. Applications should include a cover letter, curriculum vita, statements outlining current and future research interests and teaching philosophy, three letters of recommendation, and all college and university transcripts. Review of applications will begin on November 30, 2011, and will continue until the position is filled. Inquiries about the application process should be directed to Dr. David Malone ([dhmalon@ilstu.edu](mailto:dhmalon@ilstu.edu), 309-438-2692).

### **ILLINOIS, URBANA**

The College of Fine and Applied Arts at the University of Illinois at Urbana-Champaign invites applications and nominations for the position of **Head of the Department of Urban and Regional Planning**. The successful candidate will have an established record of teaching, service, and scholarly achievement sufficient to gain appointment as a full professor with tenure. Salary will be commensurate with experience; the proposed start date is August 16, 2012 (negotiable). This appointment will be a full-time (100%), nine-month position with the likelihood of two months in the summer. To ensure full consideration, complete applications must be submitted by December 5, 2011.

Apply: for a full position description and to apply, please visit <http://jobs.illinois.edu> and upload a resume, cover letter, and the names, telephone numbers, and addresses of three references.

### **LOUISIANA, BATON ROUGE**

(Anticipated/Tenure-Track) Assistant Professor (GIS/Remote Sensing). Department of Geography & Anthropology. The Department of Geography and Anthropology invites applications for an Assistant Professor, **GIS/Remote Sensing** tenure-track position, with anticipated funding in August 2012. Responsibilities: Teaches two Geography/GIS courses per semester; meets with and advises students; conducts scholarly research in GIS with a focus on Remote Sensing; works closely with CADGIS. Required Qualifications: Ph.D. or equivalent degree in Geography or a related field is required at the time of appointment. Candidates should have a strong background in Geographical Information Science, a promising program of research, a strong potential for external funding, and excellence in teaching and graduate mentoring. Additional Qualifications Desired: The ideal candidate is specialized in applications in one or more of the following areas: coastal environment, natural disaster, human and social dynamics, and climate change. An offer of employment is contingent on satisfactory pre-employment background check. A review of applications will begin

March 1, 2012 and will continue until candidate is selected. Apply online and view a more detailed ad at: [www.lsusystemcareers.lsu.edu](http://www.lsusystemcareers.lsu.edu). Position #001071. Application materials should include a CV, cover letter stating research and teaching interests, and names and contact information for three references. Visit our website at <http://ga.lsu.edu> for more information about the department and research programs. Contact the chair of the department via email at [gachair@lsu.edu](mailto:gachair@lsu.edu) for further information regarding this position.

### **MICHIGAN, ALLENDALE**

Grand Valley State University. Tenure track Assistant Professor in **City and Regional Planning**. To begin on August, 2012. The Department of Geography and Planning seeks to further develop the City and Regional Planning curriculum with the goal of developing a major in Planning. The position supports the City and Regional Planning emphasis in the major, the minor in City and Regional Planning, and the Certificate in Sustainable Planning offered by the Department of Geography and Planning. Currently, the Department offers two dedicated planning courses and, in conjunction with the School of Public Administration, several others to make the major emphasis, the minor, and the certificate in Sustainable Planning. Three new courses that conform to the APA curricular guidelines have recently been approved by the College.

Qualifications: Broadly-trained Urban/Regional Planner with the terminal degree in Planning, Geography, or closely related field. The successful candidate must demonstrate a commitment to undergraduate teaching in a university that emphasizes a high quality liberal arts education. Previous teaching and professional experience in Planning or Geography is considered a plus. Demonstrated completion of Ph.D. by August 2012 is required. Responsibilities: The standard teaching expectation is 3 courses per semester. Summer teaching at supplementary salary is a possibility. The new hire will teach a selection of core planning courses in the department, develop an

active research agenda, and engage students in research and applied studies. It is expected that the new hire will play a leadership role in the development and growth of the planning program. In addition, it is expected that the new hire will obtain AICP certification by the tenure decision. The Department of Geography and Planning serves over 50 majors in Geography/Planning and over 30 minors in the GIS, City and Regional Planning, and secondary education minors. See our website at <http://www.gvsu.edu/geography>.

How to apply: Apply online at <https://www.gvsujobs.org/>. Include a detailed letter of interest addressing the selection criteria, CV, statement of teaching philosophy, and any publication reprints. Please arrange to have three letters of reference sent to the Search Committee Chair. If you need assistance or have questions about the application process, call the Human Resources Office at 616-331-2215. If you have questions about the position, contact Dr. Jeroen Wagendorp, Geography Search Committee Chair at [wagendoj@gvsu.edu](mailto:wagendoj@gvsu.edu) or call him at (616) 331-8672.

Deadline date for filing Applications: Review of applications will begin December 15 and continue until position is filled.

### **MISSOURI**

Assistant Professor of Geography – (tenure-track position) – to teach 12 credit hours per semester beginning August 2012. Candidates should demonstrate broad expertise in teaching introductory general studies courses as well as regional courses in geography, **GIS** courses, and upper-level courses in their research areas. Required: Ph.D. in Geography. Employment is contingent upon proof of the legal right to work in the U.S. An appointment is not final until all documents are provided. Qualified applicants must submit a letter of application listing areas of interest in teaching and research (include e-mail address if available), vita, unofficial transcripts, evidence of teaching effectiveness, and 3 current letters of reference to: [recruitment@missouriwestern.edu](mailto:recruitment@missouriwestern.edu). Review of applications will begin January 15, 2012.

## MONTANA, MISSOULA

The Department of Geography at The University of Montana invites applications for a tenure track position in **Cartography and Geographic Information Science** at the Assistant Professor level to start August, 2012. Applicants must possess a strong record of research and teaching and have a Ph.D. in Geography or a closely related field. The successful candidate will teach upper-division undergraduate and graduate courses in cartography, vector GIS, and other courses in his or her area of specialization. The ability to teach Internet mapping and spatial statistics would be of advantage. We seek candidates who are interested in student engagement programs such as internships, study abroad, service learning, field experiences, and collaborative student-faculty research. He/she will also be expected to provide support to the University's interdisciplinary Certificate in GIScience and Technology. Excellent communication skills are required. Particular importance is attached to research interests that complement existing departmental strengths in GIS, human-environment interactions, mountain geography, rural geography, and water resources. A willingness to engage in collaborative research with departmental faculty and colleagues in other UM programs is expected. Substantive international experience is preferred. Additional responsibilities include undergraduate and graduate advising, conducting professional research and publishing in scholarly outlets. The candidate will also provide service to the university, the community, and the state of Montana. Apply: Go online to <http://umjobs.silkroad.com>, "Search Current Openings" for this announcement, and "Apply" by uploading the following materials (\*note: only five attachments per application - please combine accordingly): letter of intent; curriculum vita; statement of teaching philosophy, syllabi, teaching evaluation scores; transcripts (unofficial). Three confidential letters of recommendation are required - please instruct your referees to submit letters via e-mail to [UmJobs@mso.umt.edu](mailto:UmJobs@mso.umt.edu). The position title and

department must be listed in the subject line and text of the e-mail. Application review will begin December 1, 2011, and continue until the positions are filled.

## NEW MEXICO, ALBUQUERQUE

The Department of Geography at the University of New Mexico invites applicants at the rank of Assistant Professor in the area of **Geographic Information Science** with an anticipated start date of August 2012. This is a full-time probationary position leading to a tenure decision. A Ph.D. in geography or closely related field at the time of appointment is required. The department is particularly interested in candidates with research and teaching interests in remote sensing, but applicants in other areas of GIScience are also encouraged to apply, especially those with research and teaching interests in human environment interactions or in participatory critical GIS. The successful candidate will be able to demonstrate excellence or the potential for excellence in both research and teaching. Teaching expectations include courses in GIScience at the undergraduate and graduate levels, as well as courses within her/his area of expertise. We are an energetic and revitalized geography department that is passionate about our teaching and research in human geography and the environment, and in Geographic Information Science. We provide innovative curricular programs that are relevant to current, real-world problems, and that are strongly coupled with our individual research expertise. With the addition of seven tenure-track faculty members in the past five years we have a synergy that is fed by our intellectual diversity, collegiality and coherent foci within the discipline of geography. Applications must be submitted by January 8, 2012. The position will remain open until filled. Applications should be submitted at <https://unmjobs.unm.edu> under posting # 0813144. A complete application consists of: a cover letter addressing the applicant's qualifications for the position, a curriculum vitae, full contact information for three references, teaching philosophy and two writing samples.

## NEW YORK, SYRACUSE

The Department of Geography, Syracuse University, seeks a tenure-track, Assistant Professor with expertise in Community Geography. The successful candidate will be a geographer with **analytical skills in GIS**, experience in community development/community organizing and participatory research, and research interests in some combination of public health, environmental justice, social and economic inequality, and/or geographies of race/ethnicity. The successful candidate will direct the Syracuse Community Geography Program (<http://www.communitygeography.org/>), a unique endeavor of Syracuse University and the Geography Department to provide pro bono spatial analysis within the context of community proposed, community led collaborative projects aimed at understanding and addressing significant social, economic, environmental, and cultural problems facing the city of Syracuse, the Central New York Region, and beyond. Now in its sixth year, and a crucial component of the University's mission of "Scholarship in Action," the Syracuse Community Geography Program has completed an impressive array of community-driven analyses on issues ranging from food insecurity, to access to resources for teens at risk of STDs, to the pattern of hydrofracking leases in sensitive watersheds, to the development of safe walking routes to elementary schools. Housed in the Geography Department's Integrated Spatial Dynamics Lab, the Community Geographer works closely with a steering committee comprised of university faculty, students, and staff, and representatives of area foundations, community-based organizations.

Syracuse Community Geography incorporates practices of Public Participation GIS, but also requires extensive networking with community partners and other units and departments on campus, grant-writing, skills in helping community organizations define problems and formulate research questions, close work with, and supervision of, graduate and undergraduate assistants and interns in the discovery and development of data, data analysis, and the

preparation of maps and reports, and the coordination of community action on the basis of the analyses made. The Community Geographer therefore must be flexible and able to juggle a complex workload, able to respond quickly to challenges, and skilled in negotiating among constituents with often divergent interests or social/political orientations. This is a twelve-month position. Because this is a non-conventional position, the relative distribution of work and expectations will be worked out (and continually reevaluated) by the successful candidate and the Chair of the Geography Department, with advice from the Community Geography Advisory Board. Apply: For consideration, a candidate must complete an online faculty application at [www.sujobopps.com](http://www.sujobopps.com) and attach online the following: Curriculum Vitae; letter of application detailing the applicant's experience in public participation GIS and community engagement, directing interns, managing projects, and grant activity, as well as their integration into teaching and scholarship; and a portfolio of appropriate work exemplifying points made in the letter of application.

## NORTH DAKOTA, FARGO

The Department of Geosciences at North Dakota State University invites applications for a tenure-track Assistant Professor position in **applied geospatial research**. Preference will be given to applicants whose research applies both GIScience and Remote Sensing technologies to topics in physical geography/geomorphology. The successful candidate will demonstrate potential for continued professional development and scholarship at a Carnegie Very High Research Activity institution. Review will begin December 16, 2011 and continue until the position is filled. NDSU hosts a NSF ADVANCE grant, which supports professional advancement of women faculty through mentoring programs, research support, and leadership training opportunities. Apply: For application details see [jobs.ndsu.edu/postings/922](http://jobs.ndsu.edu/postings/922).

## OHIO, KENT

The Department of Geography at Kent State University invites applications for a tenure-track Assistant or Associate Professor in **Applied GIS** starting August 2012. We are particularly interested in candidates with a focus in Health Geography or Human-Environmental interactions. Successful applicants will be expected to develop highly productive research programs, secure extramural funding, engage in collaborative research, direct theses and dissertations, and exhibit a commitment to excellence in undergraduate and graduate education. The successful candidate will be expected to teach advanced geospatial courses as well as specialized courses in health or environmental geography. A Ph.D. in Geography or closely related field at the time of appointment is required. A strong record of publication and external research funding is an asset.

Faculty in the Department of Geography are highly productive researchers who have demonstrated success in attracting grants and contracts to support their research programs. Currently there are over 50 Master's and Doctoral students in the department. Further information is available at <http://www.kent.edu/cas/geography>. The application deadline has been extended to December 23rd.

Apply: Send application materials, including statements of research and teaching interests, curriculum vitae, and arrange to have three letters of recommendation submitted by e-mail to the Chair of the search committee, Scott Sheridan (ssherid1@kent.edu).

## PENNSYLVANIA, INDIANA

Department of Geography and Regional Planning, Indiana University of Pennsylvania. The Department of Geography and Regional Planning invites applications for a full-time tenure track position to begin August 2012. The ideal candidate will bolster the Department's research agenda and curricular offerings related to energy and the environment, with 1) a background in physical/environmental geography; 2) abilities in **geospatial**

**techniques**, such as geographic information systems (GIS), global positioning systems (GPS), remote sensing, LiDaR (light detection and ranging)-based techniques, and spatial statistics; and 3) analytical experience related to the extraction, utilization, or regulation of conventional or alternative energy resources. Additional consideration will be given to candidates with energy environmental compliance experience, environmental planning experience, and/or certified planning credentials.

We seek a geographer with a strong orientation towards teaching and the ability to teach courses ranging from introductory geography and planning courses to graduate seminars. The successful candidate may be assigned to perform work at off-campus sites and/or provide instruction through distance education. A Ph.D. in geography or allied field is required. Ph.D. candidates who are ABD will be considered, but the degree must be in hand by the time of employment. Candidates must communicate effectively and perform well during the interview(s), which may include a teaching demonstration. All applicants must be work eligible.

The department offers undergraduate degrees in both geography and planning and a Master's degree in geography, with concentrations in GIS/Cartography, Environmental Planning, and Regional Planning. Further information regarding the department and its programs can be found at [www.iup.edu/georegionalplan](http://www.iup.edu/georegionalplan).

Apply: Applicants should submit a letter of application, a statement of teaching/research philosophy, curriculum vitae, three letters of recommendation, and transcripts to Dr. Brian Okey, Search Chair, Department of Geography & Regional Planning, Indiana University of Pennsylvania, 421 North Walk, Room 9 Leonard Hall, Indiana, PA 15705-1087. Applications received by February 15, 2012 will receive full consideration.

## TEXAS, COLLEGE STATION

Texas A&M University. The Department of Geography invites applications for two tenure-track faculty positions in **Geographic**

**Information Science.** Candidates will be expected to take a leading role in strengthening the department's GIScience program. The first position will be appointed at the rank of Professor with expertise in Geographic Information Science theory and methods. The successful candidate is expected to be eligible for appointment to an endowed chair in the College of Geosciences. The second position will be made at the rank of Assistant or Associate Professor. For this position we seek a candidate with experience in applications of GIScience, broadly defined, who will foster private- and public-sector partnerships. Candidates should have outstanding reputations in Geography and proven track records of academic leadership. Successful applicants must have a strong commitment to excellence in research and teaching and have demonstrated ability to secure external funding. The Department of Geography has 20 faculty members with strengths in biogeography, climatology, geomorphology, human geography, human-environment relationships, geographic education and Geographic Information Science (<http://geography.tamu.edu>). We are based in the College of Geosciences (<http://geosciences.tamu.edu>) with the Departments of Atmospheric Science, Geology & Geophysics, and Oceanography, and play a major role in the Environmental Programs in Geosciences. Apply: Candidates should submit a letter of application, curriculum vitae, and names and addresses (including e-mail addresses) of three referees to Dr. David Cairns, Search Committee Chair, Department of Geography, Texas A&M University, College Station, TX, 77843-3147. We will begin reviewing applications on February 1, 2012.

### ***INTERNATIONAL***

#### **CANADA, TORONTO**

Department of Geography (Faculty of Arts). **Two (2) Tenure-Stream Faculty Positions (Assistant Professor).** The Department of Geography invites applications for 2 tenure-track positions at the Assistant Professor rank. A

PhD (or equivalent) in Geography is required by time of appointment. Each position will be effective August 1, 2012, subject to final budgetary approval. The positions target candidates specialized in **1) Human Geography with strong skills in Geospatial Information Technology, and; 2) Urban Geography with a background in retail studies, GIS, and/or quantitative analyses.**

Candidates with innovative, critical, or applied perspectives on GIS are welcome to apply. The Department of Geography offers an undergraduate program leading to a Bachelor of Arts (BA) and a graduate program leading to a Master of Spatial Analysis (MSA). Faculty members also contribute to interdisciplinary graduate programs, including Environmental Applied Science and Management, Immigration and Settlement Studies, and Policy Studies. The Department also offers three GIS certificates and has considerable links to the Centre for the Study of Commercial Activity in the Ted Rogers School of Management. The successful candidates will have opportunities to develop ties to the Centre and many other units on campus. Experience in establishing research partnerships with private and/or public sectors is beneficial. The successful candidates will be expected to teach at the undergraduate and graduate levels, contribute to the MSA and BA programs through effective teaching and supervision, and to develop an externally-funded research program with an active publication record. For more information about the Geography Department see <http://www.geography.ryerson.ca>.

Consideration of applications will begin on November 30, 2011. The competition will remain open until suitable candidates are identified. Applicants should submit curriculum vitae, statements of research and teaching interests, samples of recent publications, and the names and contact information (e-mail address and telephone numbers) of three references who may be contacted. Applications/Inquires can be sent to: Dr. Shuguang Wang, Search Committee Chair, Department of Geography, Ryerson University, 350 Victoria Street, Toronto,

Ontario, M5B 2K3, e-mail:  
swang@geography.ryerson.ca.

### \*ISRAEL, HAIFA.

The Graduate Program in Urban and Regional Planning at the Faculty of Architecture and town Planning, Technion – Israel Institute of Technology invites applications for a **2 tenure-track positions** to commence Fall 2012. We are especially, but not exclusively, interested in candidates specializing in: Social aspect of planning and housing; Spatial statistics, quantitative and GIS methods (spatio-temporal problems and data-driven analyses of spatial planning decision-making). For more details applicants are invited to look in the Faculty Website: <http://arc.technion.ac.il>, or to open the direct link of the call <http://arc.technion.ac.il/uploads/vacancy2012.pdf>. Associate Professor Amnon Frenkel, Program Chair [annonf@tx.technion.ac.il](mailto:annonf@tx.technion.ac.il).

### *Non-Tenure-track Jobs †*

#### **PENNSYLVANIA, SWARTHMORE**

Swarthmore College is seeking a person to introduce the theory and practical applications of **Geographic Information Systems (GIS)** to the joint Environmental Studies Program of the Tri-Colleges (Bryn Mawr, Haverford, and Swarthmore). This **three-year visiting assistant professor position** begins in fall 2012. A Ph.D. involving research related to environmental studies (specific discipline open) and a strong background in GIS are expected. The teaching load is four courses per year, two at Swarthmore and two at neighboring Bryn Mawr and Haverford Colleges. In addition, this person will organize GIS workshops for faculty and students, as well as collaborate with faculty and students on projects involving GIS. The position of visiting assistant professor is accorded similar status to that of tenure-track junior faculty at Swarthmore, with travel and research funding, a competitive starting salary, and excellent benefits. Swarthmore College is a

highly selective liberal arts college located in the suburbs of Philadelphia, whose mission combines academic rigor with social responsibility. Swarthmore has a strong institutional commitment to excellence through diversity in its educational program and employment practices, and actively seeks and welcomes applications from candidates with exceptional qualifications, particularly those with demonstrable commitments to a more inclusive society and world.

Information about the Tri-Colleges Environmental Studies program can be found on the Environmental Studies websites of the three colleges: [www.brynmawr.edu/es/](http://www.brynmawr.edu/es/), [www.haverford.edu/environmentalstudies/](http://www.haverford.edu/environmentalstudies/), and [www.swarthmore.edu/envs/](http://www.swarthmore.edu/envs/).

Candidates should submit a statement describing their teaching experience and possible teaching plans if they were to come to Swarthmore, and a separate statement describing their research (in terms non-experts can understand), including a description of their background in GIS. Candidates should also submit a CV and arrange to have three letters of recommendation sent separately.

Apply: Application materials should be sent by regular mail to Prof. Peter J. Collings, Environment Studies/GIS Search, Department of Physics & Astronomy, Swarthmore College, 500 College Avenue, Swarthmore, PA 19081. Letters of recommendation only can also be e-mailed to [GISsearch@swarthmore.edu](mailto:GISsearch@swarthmore.edu). Review of applications will begin January 15, 2012.

#### **CALIFORNIA, REDLANDS and NORTH CAROLINA, CHARLOTTE**

Esri. **Support Analysts** are needed in five specialties for both locations: database, GIS, implementation, programming, and server. Using their technical knowledge and strong customer service skills, these individuals provide high-quality support to ESRI customers via phone, e-mail, and chat. Support analysts also partner with software development teams to troubleshoot issues, evaluate solutions, and recommend software changes. Qualifications include a bachelor's, master's, or equivalent work experience in GIS or a related field using

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

GIS as a primary tool; excellent customer service and problem-solving skills; and a clear understanding of GIS theory and applications. Learn more about a career in Technical Support and apply online at [www.esri.com/tscareers](http://www.esri.com/tscareers). ESRI is an equal opportunity employer (EOE) supporting diversity in the workforce.

### **COLORADO, BOULDER**

#### **Postdoc in Computational Spatial Analysis.**

The Department of Geography, The Department of Computer Science, and the Institute for Behavior Sciences at the University of Colorado at Boulder seek applications for a postdoctoral position. The postdoc will participate in the NSF-Census Research Network (NCRN). The position will work with spatial micro-data to identify patterns in the residential structure of the American population. This project will draw heavily on both the computational and social sciences, and we are particularly interested in applicants who are comfortable in multiple disciplines. We seek applicants from the disciplines of Geography (GISc), Computer Science, Physics, Statistics, Operations Research or Sociology – we are agnostic about disciplinary affiliations but overall a strong quantitative background and comfort in interdisciplinary research is required. Substantial experience with optimization (network or spatial) techniques, complex networks and mathematical models of social dynamics is ideal. Familiarity with problems of geographic regionalization or image segmentation, and with geographic information systems (GIS) is desirable. The initial appointment is for a one year period with extension possible for an additional 2 years. Screening will begin immediately and will continue until the position is filled. The application must include a cover letter, CV, one sample paper, and a list of three references. Apply: submit applications to: [www.jobsatcu.com/applicants/Central?quickFind=66793](http://www.jobsatcu.com/applicants/Central?quickFind=66793). For more information please contact: Seth E. Spielman, Ph.D., Department of Geography University of Colorado at Boulder ([seth.spielman@colorado.edu](mailto:seth.spielman@colorado.edu)).

### **FLORIDA, TAMPA**

The Department of Geography, Environment, and Planning at the University of South Florida, invites applications for a full-time, 12-month, permanent **instructor position in GIScience**. The appointment will begin early August 2012. Primary responsibilities will include teaching both general and applied GIScience courses at the senior undergraduate and graduate levels, including courses in our Graduate GIS Certificate Program. Minimum requirements are a Ph.D. in Geography or a related discipline by the time of appointment, and evidence of the necessary academic background and skills to teach GIScience at the stated levels. Preferred requirements include primary instructor experience with college-level GIScience courses, and research and teaching interests in Human Geography and/or Environmental Geography, which represent the two other research/teaching themes of the Geography division. Interested candidates need to provide a letter describing their teaching interests and possible contributions to our program; a curriculum vitae; the names, addresses, email, and telephone numbers of three references; and evidence of teaching excellence. Apply online using the link: [employment.usf.edu/applicants/Central?quickFind=57484](http://employment.usf.edu/applicants/Central?quickFind=57484). Closing date is January 31, 2012.

### **MONTANA, MISSOULA**

**Lecturer, Geographic Information Sciences and Cartography.** The College of Forestry and Conservation and the College of Arts and Sciences seek a Geographic Information Scientist/Cartographer. Start date will be in January 2012. The position is a joint appointment between the Departments of Forest Management and Geography, housed in the Department of Geography. It is a nine-month, non-tenurable position renewable annually contingent on continued satisfactory performance. A M.S./M.A. degree in geography, geosciences, forestry, or related field is required. Apply: Application review will begin December 15, 2011, and continue until the position is filled.

**NORTH CAROLINA, GREENSBORO**

The Department of Geography at the University of North Carolina Greensboro invites applications for a **two-year Visiting Assistant Professor in Geographic Information Systems** beginning fall semester 2012. The potential exists for the position to be reopened as tenure-track within two years. One or more of the following research areas would be highly desirable: Internet Development, Automation and Customization and/or Database Design. The candidate must have a Ph.D. in Geography at the beginning of the appointment and show a promising research record and demonstrated ability to teach effectively. The successful candidate will teach undergraduate and graduate GIS courses. The department has strong undergraduate, M.A. and Ph.D. programs. Applicants should send a statement of research and teaching interests, curriculum vitae providing evidence of both research and teaching ability, and the names of three referees. Reviews will begin February 1, 2012 and continue until the position is filled. Apply: to Roy Stine, Chair Search Committee. Send all packets via email to [rsstine@uncg.edu](mailto:rsstine@uncg.edu). Under subject heading place GIS Faculty Position. Additional information can be found at [www.uncg.edu/geo](http://www.uncg.edu/geo).

**OHIO, COLUMBUS****PhD assistantships**

1. Political ecology of forest land
2. Land-use decision-making
3. Land-use modeling

**Postdoctoral associate**

Remote Sensing and Ecosystem) Modeling

Detailed information about open positions on our project can be found here:  
<http://aofrg.osu.edu/news.html>

Darla Munroe, Ohio State University,  
[munroe.9@osu.edu](mailto:munroe.9@osu.edu)

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**MEETINGS****Meeting of the Association of American Geographers (AAG)**

New-York, NY  
February 24-28, 2012

**Geoinformatics 2012**

Hong-Kong  
June 15-17, 2012

**RGS – IBG Annual International Conference**

*Space-time analysis, visualizing everyday mobilities, and intelligent transport systems*  
University of Edinburgh  
July 3-5, 2012

**Spatial Accuracy 2012.**

Florianópolis, Brazil.  
July 10-13, 2012

**15th International Symposium on Spatial Data Handling**

August 22-24  
Bonn, Germany

**52nd European Congress of the Regional Science Association International**

August 21- 25th  
Bratislava, Slovakia

**GIScience 2012**

Seventh International Conference on Geographic Information Science  
Columbus, OH, USA  
September 18-21, 2012

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## 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: \$6

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**

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