

# Newsletter of the Chinese Professional Geographic Information Science

February 2009



## *Table of Contents*

<i>President's Column</i> .....	2
<i>Student Paper Competition Announcements</i> .....	4
<i>Journal and Book Announcements</i> .....	6
<i>Conference and Workshop Announcements</i> .....	9
<i>Job Announcements</i> .....	17
<i>News from Individual Members</i> .....	21

## *President's Column*



Dear CPGISers,

As CPGIS president for 2008 - 2009 term, I would like to take this opportunity to thank you for your support and trust! It is my privilege to serve this organization of our very own. Meanwhile, I want to use President's Column of our newsletter to call for a wider and more active participation in all CPGIS activities from all of our members, members-to-be, and friends of CPGIS. Your continuous support is the most important factor for a healthy development of CPGIS!

With the 2007 - 2008 Term Annual Report delivered by Dr. Fang Qiu on November 22, 2008 and the announcement of the successful formation of 2008 – 2009 Term CPGIS Management Team on November 30, 2008, the flag was officially transferred to our new management team. Please see information about this new management team towards the end of this report.

In the past two and half months, the new management team has been working diligently on a series issues. I would like to report briefly on our recent activities below –

- (1) Lin Liu was elected by CPGIS Board of Directors (BOD) to be the chair of BOD. Other members sitting on BOD include Aijun Chen, Tao Cheng, Bin Li, Hui Lin, Yongmei Lu, Fang Qiu, Xun Shi, Le Wang, Chaowei Yang, Qiming Zhou.
- (2) With the leadership of Hui Lin and the support from BOD and President Office, CPGIS Journal Management and Publication Committee has been working with major publishers for a best development plan for our flagship journal.
- (3) AAG Getting-together Committee, with the support of CPGIS treasurer, Chuanrong Zhang, is working hard to plan for CPGIS' annual meeting during Las Vegas AAG Conference. This will be the first year that CPGIS purchases catering for the getting-together. We will have important agenda and announcements at the event. I would like to take this opportunity to encourage fellow CPGISers and all who are interested in knowing / joining / supporting

CPGIS to attend the event on Tuesday March 24, 7:00-9:00pm, in room Skybox 207, Riviera Hotel.

- (4) GoHome Committee, led by Leo Wang, has developed a project for this summer's activity. It will be co-hosted by Nanjing Normal University and Jiangxi Normal University. "Call for Participation" was announced to CPGIS mailing list on February 4, 2009, and can be found on CPGIS webpage at [www.cpgis.org](http://www.cpgis.org).
- (5) Summer Young Scholar Committee has been working on 2009 Summer Young Scholar Workshop plan. It is very likely that this year's event will be co-sponsored by Peking University and Capitol Normal University. "Call for Participation" will be sent out soon.
- (6) Annual Conference Committee has been working with the Local Conference Organization Committee of Geoinformatics 2009. With George Mason University as the organizer and IEEE GRSS, CPGIS, and NASA as sponsors, this year's annual conference will be another success! Details about the conference can be found at <http://www.geoinformatics2009.org/>.
- (7) Student Paper Competition Committee has made announcement on "Best Student Paper Competition of Geoinformatics 2009". The announcement was sent to CPGIS mailing list on Feb. 1, 2009. We have allocated financial support for one First-Place Award (\$600), one Second-Place Award (\$300), and two Third-Place Awards (\$150 each). For qualification and other information, please check CPGIS webpage.
- (8) Other regular committees, such as Membership Committee, Website Committee, CPGIS Mailing List Committee, and Newsletter Editorial Committee, have been continuously working on the daily management and maintenance issues to keep our organization function as normal.

The past two and half month's experience has been very positive for me and the management team. We will continue to work with our members and friends to carry the flag higher and farther!

Please feel free to send your inquiry, suggestion, or question about CPGIS, the development of CPGIS, and the various projects and events we are involved to me or the related committees.

Yours humble president,



Yongmei Lu ([YL10@txstate.edu](mailto:YL10@txstate.edu))

*(Note: Yongmei Lu is on sabbatical leave during academic year 08-09. She spends most of her time in Beijing Normal University as a visiting professor.)*

## ***Student Paper Competition Announcements***

### ***Student Paper Competition of the 17th International Conference on Geoinformatics (Geoinformatics 2009): Call for participation***

The Award Committee of CPGIS invites your participation to the Best Student Paper Competition of the 17th International Conference on Geoinformatics (Geoinformatics 2009). The Competition is a long-standing tradition of CPGIS for promoting academic development of young scholars in geographical information science.

To be eligible for participating, the first author of the paper must meet ALL the conditions as follows:

- (1) The author is currently enrolled graduate or undergraduate student;
- (2) The author is a member of CPGIS (please go to [www.cpgis.org](http://www.cpgis.org) to find out your membership status and the procedure for joining CPGIS);
- (3) The author completes the main parts of the research and writing for the paper;
- (4) The author receives the notice from Geoinformatics 2009 that his/her abstract has been accepted;
- (5) The author has not used the paper to apply for other awards.

The Award Committee will invite renowned scholars to review the participating papers. Selected papers will be organized into special sessions of Geoinformatics 2009 for oral presentation. Judges appointed by the Award Committee will determine the final awardees based on qualities of both the paper and the presentation. Participating papers not selected for the competition sessions are still eligible to be included in other sessions of Geoinformatics 2009.

The awards include one First-Place Award (\$600), one Second-Place Award (\$300), and two Third-Place Awards (\$150 each). Besides the monetary awards, awardees will also receive certificate plaques. The awards will be presented in the closing ceremony of Geoinformatics 2009. The awardees and their advisors will also be featured in the CPGIS News Letter.

The paper must strictly follow the format required by Geoinformatics 2009. You can find the format requirements at <http://www.geoinformatics2009.org/submission.html>.

Please first follow the regular process to submit abstract online at <http://www.geoinformatics2009.org/submission.html>. Once your abstract is accepted by Geoinformatics 2009 (you will receive a notice around Feb 25, 2009), then submit the FULL paper by attaching the computer file to an email to [xun.shi@dartmouth.edu](mailto:xun.shi@dartmouth.edu) (NOT to the Conference). The file must be in MS Word format.

The **DEADLINE** for submitting full paper for this competition is May 1, 2009.

Please forward all inquiries about this competition to

Xun Shi, Ph.D

Chair of The Award Committee of CPGIS

Department of Geography

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USA

1-603-646-0884

[Xun.shi@dartmouth.edu](mailto:Xun.shi@dartmouth.edu)

The Award Committee of CPGIS

## ***Journal and Book Announcements***

### ***1) Special Issue on "Virtual Globes in Science": Call for Papers***

The Computers & Geosciences journal invites authors to submit papers for a special issue on "Virtual Globes in Science", which will highlight how Keyhole Markup Language (KML) and Virtual Globes have been used for facilitating Geoscience research. This issue will focus on exploring the work highlighted at the Virtual Globes sessions at the Fall Meeting of the American Geophysical Union (AGU); however, it is open also to any innovative contributions on this topic.

Scientific fields of study can include, but are not limited to:

- Weather Forecasting
- Climate Change
- Atmospheric Studies
- Glaciology
- Hydrology
- Oceanography
- Volcanology
- Land Use/Cover
- Disaster Management

**DEADLINE** for submission of manuscripts: **May 31, 2009**

For more information: <http://earth.images.alaska.edu/cageo>

### ***2) Advances in Web-based GIS, Mapping Services and Applications (Volume in ISPRS Book Series): Call for Chapters***

#### **Editors:**

- Songnian Li, Associate Professor, Dept of Civil Engineering, Ryerson University, Canada
- Suzana Dragicevic, Associate Professor, Dept of Geography, Simon Fraser University, Canada
- Bert Veenendaal, Professor, Dept of Spatial Sciences, Curtin University of Technology, Australia

#### **Introduction**

Web mapping/GIS is the process of designing, implementing, generating and delivering maps, geospatial data, GIS functionality or services on the Web. Primarily focusing on technological issues, it increasingly studies theoretic aspects such as cartographic design, theory and principles, social and organizational issues, and applications. Especially given the recent advances led by some mainstream IT developers, the need to examine these issues become more and more critical.

#### **Overall Objectives of the Volume and Target Audiences**

This book aims at examining both theoretical/technological advancements and social/organizational issues in the field of web-based GIS and mapping services and

applications, and presenting an overall view of current progress and achievements with considerable technical detail and examples. The contents will address:

- 1) Constant updating of related web and geospatial technologies as well as the revolution of web mapping caused by mainstream IT vendors such as Google, Yahoo and Microsoft;
- 2) Increased interest from industry on geospatial information technologies;
- 3) Increasing demand from the general public for prompt and effective geospatial information services.

Contributing chapters also need to consider:

- 1) Inclusion of recent technological advancements, especially new developments under Web 2.0, map mashups, neogeography, and the like;
- 2) Balanced theoretical discussions and technical implementation;
- 3) Commentary on the current stages of development; and 4) prediction of future developments over the next decade.

The volume is aimed at researchers, application specialists and developers, practitioners and students who work or have an interest in the area of web GIS/mapping and its application for business, government services, enterprise computing and social networking.

### **Recommended Topics and Themes**

- Web 2.0, neogeography, and map mashups
- Technologies providing new service-oriented, distributed architectures, e.g., web services, SOA, P2P, grid computing, etc.
- Technologies enhancing web interaction with maps and spatial representations, e.g., Ajax, SVG, GeoRSS, etc.
- Advances in virtual earth technologies
- Open source and open standards as related to web GIS/mapping
- Web-based spatial decision support
- Applications in public participation
- Geospatially-enabled workflow processes for automating web-based geospatial services
- Content and knowledge mapping
- Social mapping and networking
- New service and application models such as SaaS
- Data quality and integration, data policies, privacy and ownership
- Quality of web-based geospatial services and processes
- Impact of Web 2.0 on enterprise-wide web GIS/mapping and location services

### **Submission Procedures**

Researchers and practitioners are invited to submit on or before **January 31, 2009**, a 1 to 2 page chapter proposal clearly explaining the mission and concerns of the proposed chapter. Authors of the accepted chapter proposals will be notified by **March 1, 2009**

about the status of their proposals and sent chapter organizational guidelines. Full chapters are expected to be submitted by **June 1, 2009**. All accepted chapters will be peer reviewed using a double blind review process. *Advances in Web-based GIS, Mapping Services and Applications* book is scheduled to be published in 2010 by Taylor & Francis Group (represented by Taylor & Francis The Netherlands, residing in Leiden, The Netherlands).

**Important Dates**

- Call for Chapters: December 15, 2008
- Chapter Proposal Submission: January 31, 2009
- Invitation to Submit Chapter: March 1, 2009
- Chapter Manuscript Submission: June 1, 2009
- Notification of Acceptance: July 31, 2009
- Final Chapter Submission: August 31, 2009
- Delivery to ISPRS Book Series Editor for Approval: September 30, 2009
- Delivery to the Publisher: October 31, 2009

## ***Conference and Workshop Announcements***

### ***1) International Conference on Globalization, Innovation, and Urban-Regional Development: Call for papers***

**Location:** Shanghai, China

**Date:** June 19-20, 2009

**Venue:** East China Normal University, Shanghai, China

**Organizers:** Center for Modern Chinese City Studies, East China Normal University  
Geographical Society of China

**Co-Organizers:**

Institute of Public and International Affairs, University of Utah, US

Center for Urban and Regional Studies, Shanghai Academy of Social Sciences

**Themes:**

1. Globalization and urban-regional development
2. Urban networks and production networks
3. Innovative and creative cities
4. Urban-regional development and spatial structure
5. Urban-regional governance and planning

**Sponsors:**

Center for Modern Chinese City Studies, East China Normal University

Alexander von Humboldt Foundation, Germany

Ford Foundation, USA

**Paper Submission and Acceptance:**

1. Participants are expected to submit papers. The deadline for abstract submission is March 15, 2009 (March 1 for overseas scholars). A submitted abstract should include the title, a summary of the paper, keywords, and the authors' names, affiliations, and contact information. Abstracts should contain less than 500 words and be submitted in MS Word.
2. The deadline for full paper submission is May 15, 2009. A submitted paper should include the title, keywords, text, references, tables and figures if necessary, and the authors' names, affiliations, and contact information. A submitted paper written in Chinese should include an English abstract and keywords. Please send abstracts and full papers to [cmccs@mail.ecnu.edu.cn](mailto:cmccs@mail.ecnu.edu.cn).
3. The conference organization committee will review and select the abstracts and papers based on conference topics and quality of research. First (or corresponding, representative) authors of the accepted papers will be invited as official representatives.
4. The conference organization committee will edit the accepted papers before the

conference. With the agreement of the authors, selected manuscripts will be published in a book.

5. The conference languages are Chinese and English. If a talk is given in Chinese, please prepare the PPT materials in both Chinese and English.

**Registration:** May 15, 2009 (Early Registration: May 1, 2009)

**Fees:**

1. No registration fee for official representatives.
2. Participants should take care of their own travel expenses.
3. The host will cover accommodation and meals for the official representatives during the two-day conference.

**Agenda:**

June 18: Registration

Morning of June 19: Opening Ceremony, Presentations

Afternoon of June 19: Presentations

Morning of June 20: Presentations, Closing Ceremony at noon

Afternoon of June 20: The end

**Conference Organizing Committees Chairs:**

Yuemin Ning, Professor and Director, Center for Modern Chinese City Studies, ECNU

Yehua Dennis Wei, Professor, Institute of Public and International Affairs and Department of Geography, University of Utah, United States; Zijiang Chair Professor, Center for Modern Chinese City Studies, ECNU

**Contacts:** Center for Modern Chinese City Studies, East China Normal University, 3663 N. Zhongshan Road, Shanghai 200062, China

**Emails:** cmccs@mail.ecnu.edu.cn, yingruli@yahoo.com (United States)

**Tel/Fax :** 01186-21-62233821

For more information: <http://www.chinaplanning.org/News/ChinaECNU09.htm>

***2) The 6<sup>th</sup> Annual Conference of the Consortium for Western China Development Studies: Call for Participation***

**Location:** Lanzhou, Gansu, China

**Date:** July 23-24, 2009

***Theme:***

*Three Decades of Reform and Opening Up: The Retrospect and Prospects of West China Development*

**Co-organizers:**

The Consortium for Western China Development Studies  
Lanzhou University  
Gansu Provincial Government  
GTZ - German Technical Cooperation

**Co-sponsors:**

The Chinese Economists Society

Lanzhou University, Gansu Provincial Government, the Consortium for Western China Development Studies, and GTZ will co-organize an International Conference on “Three Decades of Reform and Opening Up: The Retrospect and Prospects of West China Development” on July 23-24, 2009, in Lanzhou, China. The conference is also co-sponsored by the Chinese Economists Society.

The organizers expect 100-200 participants from universities, research institutions, government agencies and business sectors within and outside of China to attend this conference. Many well-known economists from China, the U.S., Europe and other countries have been invited to participate. The conference is expected (1) to serve as a platform for scholars and government officials to exchange their research and development plans on Western China; (2) to submit policy recommendations on under-developed regions to the central government; and (3) to publish a conference proceedings from selected papers presented at the conference.

The conference will be carried out in the following three fields:

1. The economic development problems related to ecology, resources and environment in western China
2. The reviews and prospects of western China development in past 10years
3. The assessment of policies and projects during western China development.

The conference themes will include, but not be limited to, the following topics:

- The achievements and lessons from the three decades of reform and opening up in western China
- The objectives of western China development in the 12th Five Year Plan
- Modernization of agriculture and the development of new rural communities in Western China
- The comparative studies of investment efficiency and Effectiveness in eastern and
- Women’s Role in Western China development
- Preserving Cultural Diversity in Under-developed Regions
- Economic Development for National Minorities in Under-developed Regions
- The industrial transfer between the eastern and western China and the choices of industrialization in western China.
- Improving Human Resources and Education in Western China

- Enhancing Public Healthcare in Western China
- Assessments of ten years of Western China Development
- Poverty Alleviation through Migration in Western China
- NGOs' Role in Western China Development
- The development choices of western China under the International financial crisis

### **Abstract Submission**

Interested participants should send an abstract of no longer than 250 words to the Program Committee at [westchina2009@umich.edu](mailto:westchina2009@umich.edu) along with the name, title, affiliation, and contact information of the author (s), or use the online submission form at <http://chinadatacenter.org/westchina2009/>.

### **Deadlines**

April 1, 2009 - Deadline for abstracts

April 15, 2009 - Notification of paper acceptance

June 30, 2009 - Deadline for completed papers

### **Registration Fee for the Conference**

Registration before May 15, 2009: US\$60.00.

Registration after May 15, 2009: US\$80.00.

Full-time student: US\$30.00.

Please make the payment payable to “The Chinese Economists Society”.

### **Post-Conference Field Trip:**

There will be a post-conference field trip after the conference. Please find more details from the conference web site at <http://chinadatacenter.org/westchina2009/>. For updated information.

### ***3) 2009 CPGIS “Go Home” Project: Call for Participation***

**Location:** Nanjing Normal University, Jiang Xi Normal University

**Date:** May 28 - June 3, 2009

### **Project Background**

The International Association for Chinese Professionals in Geographical Information Sciences (Abroad) (CPGIS) is a non-profit organization that aims to promote spatial information technology to China and encourage academic and professional exchanges with Chinese GIS communities. In the past 10 years, CPGIS has organized a number of projects in different regions of China to introduce advanced spatial information technology to academics and professionals in Chinese research organizations and

universities. Such projects include: the “Go West” project, the “Go Northeast” project, the Young Scholar Summits, etc. These activities have made significant impacts as evidenced by the participation of a wide range of audience composed of local professionals, experts and particularly students. This project is a natural continuation of this legacy with an aim to further strengthen communications between overseas CPGIS scholars and domestic geospatial technology professionals and students. In 2008, CPGIS organized the first “Go Home” activity at Hong Kong Chinese University. This year (2009) we will continue this program at two domestic institutions in China, Nanjing Normal University and Jiang Xi Normal University.

### **Project Details**

Under the auspices of Nanjing Normal University and JiangXi Normal University, CPGIS is going to organize a “Go Home” project in the summer of 2009. The project aims to exchange latest advancement of Geospatial Information Technologies (GIT) between CPGIS scholars and professionals, experts, and students at Nanjing and Nanchang. A tentative plan is as follows:

#### **Time and Location:**

May 28- 31 at Nanjing Normal University  
June 1-3, 2009 at Jiangxi Normal University

**Activities:** Each selected individual will present one research talk. Follow-up group discussions with local researchers will be arranged.

**Expenses:** lodging and meal will be provided to the selected individuals by the two local organizing institutes. Air tickets from a domestic city in China to Nanjing, from Nanjing to Nanchang and from Nanchang to a domestic city in China will be covered by Nanjing Normal University.

#### **Local Organizer:**

Prof. Lv, guonian, Nanjing Normal University  
Prof. Chen, xiaoling, JiangXi Normal University

#### **Call for Participation**

At this time, CPGIS is soliciting a **one-page abstract** (less than 500 words) along with a latest **C.V.** (no more than 2 pages) from outstanding individuals who are interested in participating in this project. The abstract should provide a brief description of the presentation to be delivered. Individuals with expertise in the following areas are

particularly preferred.

### *3D GIS*

*Mobile Service based on geospatial data*

*Mining and knowledge discovery from vector-based geospatial data*

*Integration and fusion of multi-dimension geospatial data model*

*Remote sensing of environmental pollution*

*Remote Sensing of Wetlands*

*Terrestrial ecosystem modeling*

### **Qualifications:**

The applicant has to be a currently active CPGIS member

Please send your proposals and C.V. before **Feb. 27, 2009** to Le Wang at [lewang@buffalo.edu](mailto:lewang@buffalo.edu). Selected individuals will be noticed before Mar. 15 via email.

### **Contact:**

Dr. Le Wang

Chair of the CPGIS 'Go Home' committee

Assistant Professor

Department of Geography

University at Buffalo, the State University of New York

Email: [lewang@buffalo.edu](mailto:lewang@buffalo.edu)

Phone: (716)645-0474

### ***4) First IEEE GRSS Workshop on Hyperspectral Image and Signal Processing - Evolution in Remote Sensing: Call for Participation***

**Location:** Grenoble, France

**Date:** August 26-28, 2009

### **Aim:**

To bring together all the people involved in **hyperspectral data processing**.

### **"data":**

- signals, as provided by spectrometers and processed individually
- images, from the ground using microscopes and spectrometers to airborne or satellite sensors, up to astrophysical data
- models: models of the sensors or of the sensed scene, including physical considerations

**"processing"** - everything from the acquisition, the calibration to the analysis (image processing, signal processing, feature extraction, dimension reduction, unmixing and source separation, classification).

People are invited to submit new research results on the following suggested topics :

- Spectrometers and hyperspectral sensors : design and calibration
- Physical modeling, physical analysis
- Noise estimation and reduction
- Dimension reduction
- Unmixing, source separation, endmember extraction
- Segmentation, classification
- High performance computing and compression

**Applications** oriented papers and invited sessions are also welcome. As a matter of fact, spectrometry is now used in a wide range of domains, including:

- airborne and satellite remote sensing,
- monitoring of the environment, pollution, precision agriculture,
- chemistry
- biomedical imagery
- defense application
- industrial inspection
- astrophysics

**Sessions:**

- 5 papers oral session
- 10 papers oral session
- 10 to 20 poster session

**Important Dates**

15th February 2009 : Submission of proposal for invited sessions

5th March 2009 : Notification of selected invited sessions

**31st March 2009 : Submission of regular paper deadline**

15th May 2009 : Notification of acceptance

15th June 2009 : Early registration deadline

15th June 2009 : Submission of camera ready papers

26-28 August 2009 : IEEE GRSS WHISPERS, Grenoble, France

Contact Information:

Secretariat Whispers

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**Information**

E-mail : [info@ieee-whispers.com](mailto:info@ieee-whispers.com)

**General Chair : Jocelyn Chanussot**

E-mail : [jocelyn.chanussot@gipsa-lab.inpg.fr](mailto:jocelyn.chanussot@gipsa-lab.inpg.fr)

For more information: <http://www.ieee-whispers.com>

## ***Job Announcements***

### ***1) Post-Doctoral Researcher in Remote Sensing and Ecosystem Modeling***

The Department of Geography at The Ohio State University is seeking a post-doctoral researcher in remote sensing and ecosystem modeling. The position is part of an international, multidisciplinary team all working on the Surface Water Ocean Topography satellite mission concept (SWOT, <http://bprc.osu.edu/water/> and <http://www.legos.obs-mip.fr/recherches/missions/water/>).

The post-doctoral researcher will join our team conducting pre-mission planning for SWOT with a particular emphasis on vegetation monitoring capabilities. The post-doctoral researcher will be expected to use multi-sensor satellite observations (e.g. SRTM and other optical data) to create a "bare earth" DEM and estimate vegetation heights in large and low-relief basins like the Amazon and Congo. Such assessments will be further used to (1) improve our understanding on hydraulic flows, and (2) assess the related carbon stocks represented by the vegetation.

Minimum qualifications include (1) a Ph.D. in geography, environmental science, ecology, statistics, or related field, (2) demonstrated experience with various remote sensing data (especially SRTM, InSAR), ecosystem modeling, and spatial statistics, and (3) demonstrated computer programming experience.

Applicants should submit a cover letter, curriculum vitae, no more than three selected reprints in PDF format and contact information for three references to Dr. Desheng Liu ([liu.738@osu.edu](mailto:liu.738@osu.edu)), The Ohio State University, 1036 Derby Hall, 154 North Oval Mall, Columbus, OH 43210-1361. The position is open until filled.

### ***2) Tenure Track Assistant Professor in GIScience***

#### **FLORIDA, BOCA RATON.**

The Department of Geosciences at Florida Atlantic University invites applications for a **Assistant Professor in GIScience** at our Davie campus in suburban Ft. Lauderdale. We seek an individual with a strong background in applying geospatial techniques to diversify and complement our existing strengths in GIScience education and research. Research experience/interests in wetland, vegetation, or coastal systems are preferred. The Department currently offers undergraduate and master's level degrees in both geography and geology and will institute a new doctoral degree in Geosciences in Fall 2009.

The successful candidate will interact with faculty and students on the Boca Raton campus as well as build student enrollments on the Davie campus. Florida Atlantic University is located in Southeastern Florida. This region's geographic relationship to sensitive ecosystems combined with its rapidly expanding human population has put

extreme stress on environmental resources. The Department of Geosciences and FAU's interdisciplinary Environmental Sciences program are partnering with several state and federal agencies to address the region's unique environmental problems and the successful candidate will have the opportunity to make a major contribution to this partnership. Teaching duties will include undergraduate and graduate courses in GIScience and the candidate's area of expertise. Candidates should have a PhD, demonstrated potential for establishing programs of funded research, and clear promise of excellent teaching.

Applicants should submit a curriculum vita, letter of application stating qualifications for the position, up to three representative publications, and names and contact information for three professional references. Send the application materials to Dr. Zhixiao Xie, Search Committee Chair, Department of Geosciences, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431. Additionally, an official FAU application must be submitted electronically for the Geoscientist Position (# 991719) at <http://jobs.fau.edu>. The position is open until filled. Applications will be reviewed beginning February 13, 2009.

Florida Atlantic University is an Equal Opportunity/Equal Access/Affirmative Action Employer.

### ***3) Four Modeler Positions (Graduate Students or Postdoctoral Fellows)***

Four Postdoctoral Fellow/PhD Graduate Assistant positions are available in The Ecosystem Dynamics and Global Ecology (EDGE) Laboratory, School of Forestry and Wildlife Sciences, Auburn University, USA. We invite highly motivated applicants to join The EDGE Laboratory as a postdoctoral fellow or a PhD student for investigating the cutting-edge research issues in ecosystem and global ecology by using quantitative and integrated approach. Successful individuals will work on interdisciplinary research projects and be involved in national and international research programs such as NASA LCLUC, NACP and MAIRS. Three primary geographical locations we are currently working with include: Asia, North America and Tropics.

#### **Position 1: Land surface/regional climate modeler**

The individual is expected to improve and couple a land surface model with terrestrial ecosystem/biogeochemical models and regional climate models for investigating ecosystem-climate interactions. For Ph.D. students, applicants should possess a degree in atmospheric science, meteorology or earth system science. For postdoctoral fellow, experience and background in land surface models such as CLM and Noah and regional climate models are highly desirable.

#### **Position 2: Terrestrial ecosystem/Biogeochemical modeler**

The individual is expected to develop and improve an existing model - the Dynamic Land Ecosystem Model (DLEM). For PhD students, applicants should possess a degree in biology, ecology, forestry, and agronomy or soil science. For postdoctoral fellow, experience and background in ecosystem/biogeochemical modeling are highly desirable.

### **Position 3: Land Use Modeler**

The individual is expected to develop numerical/computer models for simulating land use/land cover change at multiple scales from landscape to regional. For PhD students, applicants should possess a degree in land science including geography, GIS/Remote sensing, forestry and agriculture. For postdoctoral fellow, experience and background in spatially-explicit land use modeling, remote sensing and GIS are highly desirable.

### **Position 4: Computation of Ecosystem and Earth Systems**

The individual is expected to work on computational methods for improving the computational efficiency of simulation models of ecosystem, land surface, land use and climate. For PhD students, applicants should possess a degree in computer science, applied mathematics or statistics. The applicants have to meet the admission requirements in the Department of Computer Science and Software Engineering at Auburn University. For postdoctoral fellow, experience and background in parallel computing are highly desirable.

For postdoctoral fellows, applicants should provide no more than 3 reprints or manuscripts that you are the first author. All applicants should have some experience in computer programming (prefer C, C++ or Fortran), good written and oral communication skills and a demonstrated ability to function well within interdisciplinary teams. Interested applicants should send a cover letter outlining their qualifications, resume, copies of transcripts, TOFEL, GRE scores, and contact information for three references to Dr. Hanqin Tian, School of Forestry and Wildlife Sciences, Auburn University, 602 Duncan Drive, Auburn, AL 36849. Phone (334) 844-1059; E-mail [tianhan@auburn.edu](mailto:tianhan@auburn.edu).

#### **4) 中国科学院深圳先进技术研究院地球空间信息技术实验室: 诚聘英才**

中国科学院深圳先进技术研究院地球空间信息技术实验室诚聘地理信息系统、遥感、全球定位系统、空间分析、应用数学等方面的高级研究人员 ( 助理研究员、副研究员、研究员 ) 。

中国科学院深圳先进技术研究院力求为每位研究人员提供一流的研究环境和广阔的发展空间。深圳市为吸引海内外英才落户深圳也制定了包括住房补贴在内的一系列优惠政策(详情请参阅下述深圳市高层次专业人才政策指南)。

**基本要求：**有相关领域的博士学位；有海外工作经验并能领导一个研究小组的副研究员以

上的人员将获得优先考虑。

**申请方式：**请将个人简历发至余小姐：[xm.yu@siat.ac.cn](mailto:xm.yu@siat.ac.cn)。

**关于地球空间信息技术实验室** (<http://www.siat.ac.cn/project3.php?fid=696>)

地球空间信息技术实验室隶属于中国科学院深圳先进技术研究院数字所。实验室旨在进行有广阔市场前景的地球空间信息领域的科学发现与技术创新。实验室综合集成地理信息系统、遥感、空间分析、高性能计算、通讯等有关技术并开展数字城市相关的地球空间信息技术的理论、技术、软件、应用诸方面的研究。实验室的主要研究领域包括 GIS 技术与应用、智能交通技术与应用、遥感技术与应用、GPS 技术与应用等。目前的研究方向包括城市人口时空动态模型、可视化空间数据分析、高性能空间数据分析与计算、公共交通优化、智能交通系统和交通仿真、地球空间信息技术与应急救援。

**关于中国科学院深圳先进技术研究院** (<http://www.siat.ac.cn>)

中国科学院深圳先进技术研究院是由中国科学院、深圳市政府协商共建的具有独立法人资格的国家级科研机构，隶属于中国科学院，目前是 3 所 2 中心的格局：先进集成技术研究所（集成所）、生物医学与健康工程研究所（医工所）、先进计算与数字工程研究所（数字所）、开放技术平台、工程中心。

**深圳市高层次专业人才政策指南：**

[http://www.rsj.sz.gov.cn/zyjsry/bszy/200812/t20081229\\_462920.htm](http://www.rsj.sz.gov.cn/zyjsry/bszy/200812/t20081229_462920.htm)

### ***5) Geospatial Information - Post Doctoral Researcher Opportunity at The Ohio State University***

A Post Doctoral Researcher position is open at the Mapping and GIS Laboratory of The Ohio State University, starting April 2009 or a later date. The successful candidate will work on one or more research projects related to geospatial information, photogrammetry, planetary mapping, or coastal GIS.

Applicants should have a recent Ph.D. degree in Geoinformation and Geodetic Sciences or a related field. Knowledge and experiences in remote sensing/

photogrammetry, vision, GIS, and/or coastal environmental research are desirable. The successful candidate will conduct research and coordinate with government agencies involved. Stipend depends on qualifications. The original appointment is for one year. Extension after the first year depends on availability of funding and performance. More information of OSU Mapping and GIS Laboratory is at <http://shoreline.ceegs.ohio-state.edu/>

Applications are accepted until the position is filled. Please send application, resume, and two letters of reference via e-mail to Program Assistant Leslie Smith (smith.2942@osu.edu) with a copy to Professor Ron Li (li.282@osu.edu).

### ***News from Individual Members***

#### ***1) New book***

Liu, L. and J. Eck. 2008. Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems. IGI Global. Hershey, New York. ISBN-13: 978-1-59904-591-7 (hardcover), ISBN-13: 978-1-59904-593-1 (ebook).

#### ***2) Field work from Sichuan Earthquake***

Beijing Normal University and Hong Kong University co-sponsored the international conference, "Response to Wenchuan Earthquake: Challenges and Governance", in Chengdu, November 14-18, 2008. Yongmei Lu attended the conference. These pictures were taken during the field trip to the Quake Zone after the conference.



Bird-view of Beichuan



Shops in Hanwang Town



Clock in Hanwang Town

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Newsletter members: Desheng Liu (chair), Jenny Du, Qinghua Guo, Xin Miao, Jun Yang, Jun Yan (WKU). This issue is compiled and edited by Desheng Liu. If you have any suggestions or comments, please send them to liu.738@osu.edu.