

# Newsletter of the Chinese Professional Geographic Information Science

May 2008



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## *Summary of CPGIS Activities in 2007 by Bing Xu*

### *1) Summary of CPGIS Activities by Bing Xu*



Dear Fellow CPGIS Members,

I summarize the work that we have completed during my term of the presidency.

1. The amended bylaw was approved. To form an independent BOD has been one of our top priority tasks for last year as you can read from our newsletters. It is also proven to be the most controversial project in last year. The bylaw was first reviewed and the amendment was recommended by the bylaw review committee including Jianwu, Weihe, Hanming, and myself. The proposal was then supported and endorsed by our members. Later we had different opinions which raised up good practical questions regarding the actual role of the BOD and the detailed election procedure. I consider all these opinions valuable and healthy to the growth of our organization. I value the integrity of our society and also the friendship developed during and after the debate. We all have a goal, to make our bylaw to serve CPGIS better.

2. Our newsletter team created a refreshing appearance for our newsletter. It is in a hope to attract more readers to care about our organization, and to make it more informative. Thanks to our editors Yongqian, Jun, and Qinghua, we are informed of what is happening around us, the history of our organization, the current trend, future endeavors, job and grant opportunities, etc. We expect more and more active involvement in our society. This will keep our organization energetic.

3. Our computer system was maintained, restored, and updated. With continued and constant maintenance of our system by the web site committee led by Aijun, and the recovery and update of our member database with joint effort with Qi, Liheng, and Chaowei, we are able to read updated news, track and update our member information online. I am extremely thankful to their excellent job and the “back bone” support.

4. The GeoInformatics 2007 conference was successfully convened at Nanjing University. More than 500 people attended the conference. The conference was organized into 15 different sessions. Without the long preparation work by the annual conference committee led by Peng, Manchun, and many others, holding the conference would be impossible.

Next year’s annual conference site was selected by the conference committee led by Qinghua to be in Guangzhou. The conference will be jointly held by Sun Yat-sen University (Xia Li) and the University of Cincinnati (Lin Liu).

5. CPGIS held its annual Getting Together at the 2007 AAG meeting in San Francisco, California. With the presence of over 60 CPGIS members and supporters, the gathering was successful. I am very appreciative of the AAG conference committee led by Yongmei.

6. The Management Committee of the Journal of Geographic Information Science, led by Bin, has completed the search for the editor-in-chief position. Hui was selected to serve in the position. Hui has formed the New Editorial Board of the journal. I expect and believe that with the new leadership, our flagship journal will reach a new height in the near future.

7. Go-Northeast program was successfully completed. Following the Go-West program, CPGIS initiated the Go-Northeast program led by Le. Hui served as the leader of the Go-Northeast team this summer. The members included Dr. Le Wang, Dr. Xiaoyong Chen, Dr. Changshan Wu, Dr. Feibing Zhan, Dr. Cuizhen Wang, Dr. Linlin Ge, and Dr. Yuanzhi Zhang.

8. Awards committee selected best individual service award and best student paper awards. Thanks to the hard work of the Award Committee Members, Fahui, David Wong, Yongmei Lu and Le Wang, this year's Best Individual Service Award goes to Axing Zhu. We have experienced the highest turnout for this year's Best Student Paper Competition with a total of 24 participants. The awardees are: Pengfeng Xiao, Kaiyu Guan, Hu Zhao, Weihua Dong and Dan Wang. Thanks to the local organizers (ESSI and Department of GIS at Nanjing University) for sponsoring this important event.

9. The 2nd year "Advanced Certificate of GeoInformation Science" was successfully held in the George Mason University. Several American federal governments sponsored this program. As the research and training committee chair, Chaowei helped CPGIS to participate in the program. Some of CPGIS members participated in the teaching or provided comments and suggestions. They are Aijun Chen, Bin Li, Hui Lin, Fang Qiu, Fahui Wang, and David Wong.

10. Another shining point of our activities is the creation of women's corner by Xiuping. Following the successful women scientist panel discussion at the Nanjing conference, she starts to open this new corner on our web site. I look forward to seeing this new corner flourishing. I also hope to see that it will promote the understanding of the challenge that women scientists may face and bridge the gap of understanding between men scientists.

In spite of these achievements, we have uncompleted tasks, encountered much difficulties and challenges and we still have long way to go. I truly believe that with the new leadership of Fang, CPGIS will do better and be stronger.

I would like to thank again, the committee members, the BOD, and other members for your continuing support. Special thanks go to Jianwu (chair of the bylaw review committee), Yongqian (chair of the newsletter committee), Qinghua (chair of the conference host selection committee), Aijun (chair of the website committee), Peng (chair of the annual conference committee), Yongmei (chair of the AAG conference committee), Bin (chair of the journal management committee), Le (Chair of the Go Northeast committee), Hui (Go Northeast team leader), Fahui (chair of the awards committee), Chaowei (chair of the research training committee), and Xiuping (creator of the women's corner), for their hard work and commitment to the CPGIS in the past year.

Bing Xu

***Financial report (from Bing Xu)***

The balance at the end of my term is \$7747.86.

Output is: \$550 including best paper award and printing cost

Input is: \$1550 including contribution and membership collection

\*The amount does not include the financial support to the student and other awards from the Nanjing conference

***2) Report on CPGIS Journal (from Lin Hui, Chief Editor and Chairman of Management Committee, April 12, 2008)***

**1. Forming the New Editorial Board**

<b>Editor-In-Chief:</b>	Hui Lin, The Chinese University of Hong Kong
<b>Executive Editor:</b>	Bo Huang, The Chinese University of Hong Kong
<b>Assistant Editor:</b>	Jun Yan, IRSA of CAS
<b>Column Editors:</b>	
Cartography and Geo-visualization	Liqu Meng, Technical University of Munich Juval Portugali, Tel-Aviv University
GIS:	Yichun Xie, East Michigan University Christophe Claramunt, French Naval Academy
Remote Sensing:	Shunlin Liang, University of Maryland Zhong Lu, US Geological Survey
Dada Acquisition:	Ron Li, The Ohio State University Ryosuke Shibasaki, University of Tokyo
Spatial Analysis and Modeling:	David Wong, George Mason University Fulong Wu, Cardiff University
Uncertainty modeling	Wenzhong Shi, Hong Kong Polytechnic University A-Xing Zhu, University of Wisconsin-Madison
Natural Resource/Ecosystem	Yeqiao Wang, University of Rhode Island Bing Xu, The University of Utah
Urban Management	Feng-Tyan Lin, National Taiwan University Lin Liu, University of Cincinnati
Policy, Law and Society	Bin Li, Central Michigan University Fahui Wang, Louisiana State University

Book Review:

Ming-Hsiang Tsou, San Diego State University

## **2. Setting up the Journal Website**

<https://www.iseis.cuhk.edu.hk/journal/home.do>

- a) for an on-line submission, review, editing, and publication
- b) for increasing the citation rate

## **3. International Publication:**

BOD authorized Lin Hui to contact international publisher for promoting CPGIS journal to international communities as a SCI indexed journal. This is an undergoing project. We plan to find the publisher within one year and become a SCI journal in two years.

## **4. Funding issue:**

The chief editor will continue to explore funding to cover the costs of editing, printing and shipping until we find the international publisher.

## **5. Seeking support from CPGIS members:**

The Chief Editor would appreciate if all members could submit more research papers to the journal and cite more CPGIS journal papers in their future publication. This will greatly promote our journal to the international communities. If possible, please encourage your university libraries to order our journal.

## ***Member Minutes – Fahui Wang***

### **Background:**

Professor of Geography, Director of Chinese Culture and Commerce Program, Department of Geography and Anthropology, Louisiana State University.

Research Interests: Applications of GIS and Spatial Analysis in Public Policy (Crime, Health), Urban, Economic, Transportation and Human Geography, China.



*Could you give a brief introduction on yourself?*

- I am a professor at the Department of Geography and Anthropology and director of Chinese Culture and Commerce, Louisiana State University. I earned my B.S. in economic geography from Peking University (1988), and my M.A. in economics (1993) and PhD in city and regional planning (1995), both from the Ohio State University. My past work includes the spatial and economic structure of systems of cities; urban and regional development in China; job access, commuting and disadvantaged population groups; crime patterns; health care access, health policy and cancer. My research methods include GIS, spatial statistics, and computational methods.

*What is your personal recipe for success?*

- If “success” is defined as “satisfaction with one’s life”, I’d say “yes” as I am very happy with my life including career. I often joke with my friends: “I would challenge anyone who claims to be happier than I am, and I can only admit that he/she is as happy as I am.” I attribute my success (if any by traditional sense) to being optimistic. Before any bad news arrives, it is good news. When you work on a proposal or a paper, believe that it will be funded or accepted. Therefore, you do it with high hope and passion. Let the proposal or paper transpire your belief, and convince the reviewers to share your belief. I have found a positive attitude help me focus better and be more efficient with my time.

*What has been the most memorable moment in your career / life?*

- If I have to pick one, I’d say the parallel between the birth of our first baby and closing the final chapter of my dissertation. In Chinese, “double happiness”.

*What is your advice for junior faculty members?*

- If I could offer any advice in terms of developing an academic career in the U.S., I’d quote Mao’s famous saying, “战略上藐视敌人,战术上重视敌人”. Tenure is considered a major milestone in one’s academic career. You have to believe in yourself. Most of us went through the rigorous testing systems in China, made through the challenging graduate

studies here, and now finally landed on an academic job. You have passed the tests, like a commodity that passed all the inspections. So you should not be stressed out because of a tenure evaluation process down the road. Confidence will help you approach your research and teaching with efficiency. No one knows how many publications and grants are enough for tenure. But you cannot let things beyond your control bother you. You do your best.

- On the other side, there is life after no tenure. I know several who have moved on to very productive (and in most cases more enjoyable) careers. Trust the system. If one cannot get tenure in one place or in any academic setting, it is perhaps not the right place for you. You'd be better off to be elsewhere and do something different. There are definitely places where your value will be better appreciated.

*What is your advice for graduate students?*

- Many graduate students think too much ahead of themselves—often take a course or choose research simply because they believe that it helps them in job search and so on. Do not be so near-sighted. I consider my time in graduate school the better days. A graduate student is very much protected from all kinds of distractions that face us faculty today (family obligations, seeking grants, mining for papers, committee work and so on). So take advantage of it. Find an interesting topic that may be challenging. Build the skills to solve the problem. In this process, you mature in various aspects that are needed for a long sustainable career. I'd also like to share some of my experience with today's graduate students. Future's science lies between sciences. Do not limit your interests by the field you are majoring in. Every field is going interdisciplinary. A concept or method in one field may shed new light on an issue in another field. Your strength may very well lie in the own unique combination of your various backgrounds.

*What do you do in your spare time?*

- Do I have any? ☺ I help my wife raise three energetic kids, which occupy much of my time outside of office. I am also a passionate gardener. I find it very rewarding. Plants change and respond to your investment in care and time, very much like students to a caring teacher or children to a loving parent. No wonder that we Chinese call teachers “gardeners”. I am a gardener inside out.

## ***Announcements:***

### ***1) Marine Geodesy Journal call in the next issue***

# **Marine Geodesy**

An International Journal of Ocean Surveys,  
Mapping, and Sensing  
(SCI indexed)



Editor-in-Chief: Dr. Rongxing (Ron) Li  
Mapping & GIS Laboratory  
The Ohio State University

We encourage submission of papers on ocean and coastal surveys, mapping, and sensing. Topics may include, but are not limited to:

- ♦ *Satellite Ocean Remote Sensing*
- ♦ *Tides, Sea Level*
- ♦ *Ocean Mapping & Electronic Charting*
- ♦ *Hydrography & Geodesy*
- ♦ *Marine and Coastal Geographic Information Systems (GIS)*
- ♦ *Tsunami*
- ♦ *Oceanography*
- ♦ *Geodetic Theory & Applications*
- ♦ *Underwater Sensing*
- ♦ *UAV Navigation*

All manuscripts should conform to the submission standards found in the Instructions to Authors that regularly appear in the journal. Papers should be free from promoting a specific commercial product. All manuscripts will be peer reviewed. Authors who wish to contribute should submit the manuscript by e-mail to [marinegeodesy@osu.edu](mailto:marinegeodesy@osu.edu) or by mail to Professor Rongxing (Ron) Li, Editor-in-Chief of Marine Geodesy, CEEGS, The Ohio State University, 470 Hitchcock Hall, 2070 Neil Avenue, Columbus, OH 43210-1275.

## ***Marine Geodesy***

Frequency: 4 issues per year  
Databases: SCI-Expanded, SSCI, A&HCI  
ISSN Print: 0149-0419  
ISSN Online: 1521-060X



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## ***2) New Releases of Tibet Data Products***

To promote Tibet studies, the China Data Center at the University of Michigan is pleased to release the following data products on Tibet:

1. The Collection of Tibet GIS Maps with Census Data.
2. Tibet Statistical and Census Data Assemblies.

The "Collection of Tibet GIS Maps with Census Data" provides a unique resource for spatial studies of Tibet, which includes:

- (1) Tibet Provincial, County, Township GIS Maps with 2000 Population Census Data;
- (2) Tibet Historical GIS Maps with Census Data (1953, 1964, 1982, 1990, 2000);
- (3) Tibet Population on One Sq Km GRID Map with Township Boundaries.

The "GIS Map Collection" also include some other GIS layers such as rivers and road networks. All GIS data are in Shape format, which is compatible with most GIS software for easy mapping and analysis. For details, please visit <http://chinadatacenter.org/newcdc/TibetGISMaps.PDF>

"Tibet Statistical and Census Data Assemblies" provides rich information for Tibet studies, which include:

- (1) A collection of Tibet Statistical Yearbooks (1998-);
- (2) The historical statistical data assemblies of Tibet (1959-);
- (3) 2000 Tibet Population Census Data Assemblies;
- (4) 2000 Tibet County Population Census Data Assemblies (73 e-books);
- (5) 2005 Tibet 1% Population Survey Data Assemblies.

All tables are available in Excel or PDF files on the CD product. For details, please visit <http://chinadatacenter.org/newcdc/TibetYearbook.PDF>

Please contact China Data Center at (734) 647-9610 or [chinadata@umich.edu](mailto:chinadata@umich.edu) for more details.

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1080 South University Ave  
Ann Arbor, MI 48109-1106  
TEL: (734)647-9610  
FAX: (734)763-0335  
<http://chinadatacenter.org/>  
<http://chinadataonline.org/>

### ***3) Job opening at the Geography Dept, U of Utah***

**UTAH, SALT LAKE CITY 84112-9155. University of Utah.** The Department of Geography invites applications for a tenure-track position at the Assistant Professor level starting July 2009. We seek a geographer with a research emphasis that complements department strengths in one (or more) of the following areas: i) **medical geography**; ii) **transportation**; iii) **human-environment interactions**, including human dimensions of climate change; or, iv) **hazards**. Also desirable are technical strengths in **GIS, cartography** and/or **spatial analysis**.

The Department of Geography emphasizes scientific geography within the focus areas of urban/economic systems, Earth system science and geographic information science. The department offers Bachelors', Masters' and PhD degrees in geography. The department is home to the Digitally Integrated Geographic Information Technologies (DIGIT) Laboratory, a state-of-the-art GIS/remote sensing facility, the Center for Natural and Technological Hazards (CNTH), the Records of Environment and Disturbance (RED) Laboratory and the Snow Optics Laboratory (SOL). The department also administers a unique interdisciplinary Certificate Program in Geographic Information Science with the School of Computing. There are also opportunities for multidisciplinary research through the university's Institute of Public and International Affairs.

The University of Utah is a comprehensive and diverse public institution located on the Wasatch Front urban corridor with easy access to research and recreational opportunities in the Rocky Mountains, Great Basin and the Colorado Plateau. Salt Lake City, home of the 2002 Winter Olympics, is a dynamic and high-tech metropolitan area with outstanding cultural and entertainment amenities, modest cost of living, and a sunny, dry four-season climate. For more information on the Department of Geography, see <http://www.geog.utah.edu>.

Submit a letter of application including research and teaching interests, vitae, teaching evaluations (if available) and the names, addresses, phone numbers and email addresses of three referees by 29 September 2008. Applications received after the deadline may be considered until the position is filled. *The University of Utah is an Equal Opportunity/Affirmative Action employer, encourages applications from women and minorities, and provides reasonable accommodations for the known disabilities of applicants and employees. The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a strong commitment to improving access to higher education for historically underrepresented students.*

Apply: Harvey J. Miller, Chair, University of Utah / Department of Geography / 260 S Central Campus Drive, Room 270 / Salt Lake City UT 84112-9155.

#### ***4) One PhD and one Postdoc positions available at University of Texas at San Antonio***

##### **PhD Scholarship and Postdoctoral Fellow Positions at UTSA/LRSG**

The Department of Geological Sciences and Laboratory for Remote Sensing and Geoinformatics at the University of Texas at San Antonio invites applications for a Postdoctoral fellow and a PhD scholarship in remote sensing, spatial analysis, and modeling of Antarctic sea ice. The project is funded by the new NASA research project "*Antarctic sea ice thickness from space: validating estimates from the laser and radar satellite altimeters with ship-based measurements*". Funding for those positions are available for three years for the PhD student, while the continuation of the postdoc position for the second and third years will be based on satisfactory performance. Both positions have the possibility to participate in field experiments. Both positions will be part of a multi-disciplinary research team of collaborators working on the characterization of sea ice thickness and extent, snow ice interface temperature, ice concentration, sea ice related bio-geochemistry and ecosystems from both satellite remote sensing and in situ measurements, as well as ice, ocean, and atmosphere interaction and modeling. Satellite data to be used includes but is not limited to ICESat, AMSR-E, RADARSAT, MODIS, EnviSAT, QuikSCAT.

Candidates for the PhD scholarship must hold a Master's or equivalent degree in science (remote sensing, geophysics, physical geography, or geology). Candidates for the Postdoc position must hold a PhD degree in science or engineering (remote sensing, geophysics, atmosphere, civil engineering). Both positions should have a strong background in research, image processing and analysis, and spatial data analysis. Strong programming skills and modeling experiences are a plus. The advisors to this position expect a general interest in climate studies and the Antarctic. Applicants must have good written and verbal communication skills.

To apply, please email an application to Profs. Ackley and Xie, including:

- 1) A short description of qualifications and research interests
- 2) A curriculum vita that provides relevant academic, employment, and personal details
- 3) Authorized transcripts of course work and authorized copies of diplomas of university degrees, all translated into English
- 4) Three letters of support from previous employers or supervisors
- 5) English proficiency certification, if applicable

For the postdoc position, at least one peer-reviewed journal publication relative to the research project is a must condition. The position is available immediately and will be open until it is filled.

The PhD candidate will be required to apply for enrollment as a PhD student at the Environmental Science and Engineering PhD program at UTSA. Please mention this PhD scholarship announcement in your graduate school application and notify the advisors, by email, of your application.

For further information, please contact:

Steve Ackley at phone: 210-458-6793 or email [Stephen.ackley@utsa.edu](mailto:Stephen.ackley@utsa.edu), and/or Hongjie Xie at phone: 210-458-5445 or email [hongjie.xie@utsa.edu](mailto:hongjie.xie@utsa.edu).

Or visit the Laboratory for Remote Sensing and Geoinformatics at <http://www.utsa.edu/LRSG/>

*The University of Texas at San Antonio is an equal employment opportunity employer. Minorities and women are strongly encouraged to apply.*

### ***5) Two postdoc positions available at Michigan State University***

Two Postdoctoral Positions: Environmental and Socioeconomic Impacts of China's Ecological Restoration Efforts

Departments of Forestry and Geography, Michigan State University

Candidates are sought to join a multidisciplinary team assessing the environmental and socioeconomic impacts of China's ecological restoration efforts. One position will focus on modeling ecosystem dynamics as reflected in regional soil erosion, C sequestration, and biological diversity. The other position will spearhead the evaluation of socioeconomic changes induced by government programs, such as income and employment, cost effectiveness, and structural adjustment. For the former position, a Ph.D in ecology, geography or related discipline is required, as well as demonstrated expertise in remote sensing, GIS application, and systems simulation; for the latter position, a Ph.D. in environmental economics, resource economics, or agricultural economics is required, as well as strong capability of econometrics and spatial statistics. Successful candidates are expected to be able to communicate effectively in Chinese. These positions are renewable for up to two years based on performance. Please send CV, statement of research accomplishments and interests, representative publications, and three letters of reference to: Runsheng Yin, Department of Forestry, Michigan State University, E. Lansing, MI 48824-1222. Applications will be considered until July 1, 2008.

MSU is an Affirmative Action/Equal Opportunity Institution

## ***Conferences and Workshops***

### ***1) Remote Sensing Training Workshop***



The Chinese University of Hong Kong  
Institute of Space and Earth Information Science



# ADVANCED REMOTE SENSING TRAINING WORKSHOP

2008 CPGIS "Go Home" PROJECT Date: June 25-26, 2008



International Association of Chinese Professionals  
in Geographic Information Science (CPGIS)

## Speakers:



**Dr. Fang Qiu**  
Program in Geographic Information Sciences  
School of Economic, Political and Policy Sciences,  
University of Texas at Dallas



**Dr. Le Wang**  
University at Buffalo,  
the State University of New York (SUNY),  
University of Texas at Dallas



**Dr. Aijun Chen**  
Center for Spatial Information Science and Systems,  
College of Science,  
George Mason University and NASA



**Dr. Dengsheng Lu**  
School of Forestry and Wildlife Sciences,  
Auburn University



**Dr. Qing Xu**  
Institute of Space and Earth Information Science,  
The Chinese University of Hong Kong



**Dr. Liming Jiang**  
Institute of Space and Earth Information Science,  
The Chinese University of Hong Kong

## Topics:

Spectral Analysis of Hyperspectral  
Imagery Based on a Neuro-fuzzy System

High-resolution Satellite Remote Sensing  
for Monitoring Coastal Mangroves Forests  
in Prevention of Potential Hurricane and  
Tsunami

Visualization of NASA Remote Sensing  
Satellite Data in Google Earth

1. Use of Impervious Surface in Urban  
Land Use Classification
2. Regional Mapping of Human  
Settlements in the Southeastern China  
with Multisensor Remotely Sensed Data

SAR Application to Oceanography: Internal  
Waves and Ocean Surface Wind Retrieval

From DInSAR to PSInSAR: Concept,  
Applications and Challenges in Ground  
Deformation Monitoring

Post-workshop Program: site visiting of CUHK Satellite Remote Sensing Ground Receiving Station

**Venue:** The Chinese University of Hong Kong  
**Registration Period:** May 20 to June 20, 2008

For any enquiry, please contact Ms. Chloris Yip at 2609 6538 or email: [iseis@cuhk.edu.hk](mailto:iseis@cuhk.edu.hk)

<http://www.iseis.cuhk.edu.hk/arstw>

## *2) CPGIS annual conference news*

The 16th International Conference on Geoinformatics and the Joint conference on GIS and Built Environment between Sun Yat-sen University and the University of Cincinnati will be held during 28-29 June 2008 in Guangzhou, China.

Those who plan to attend the Geoinformatics 2008 conference in Guangzhou during June 28-29 please complete the attached registration form and send it to [geoinformatic2008@gdas.ac.cn](mailto:geoinformatic2008@gdas.ac.cn) and [geoinformatic2008@126.com](mailto:geoinformatic2008@126.com) as soon as possible.

For overseas participants, the completed form must accompany your check sent to the University of Cincinnati (mailing address provided on the form). Those who register before May 15 are eligible for a reduced rate. To present at the conference or publish a paper in SPIE proceedings or special issues of CEUS, GeoJournal or JGIS, one must register before May 31.

Please apply for your visa to China as soon as possible since the conference dates are close to Beijing Olympics 2008. Feel free to let us know if you need any help for applying the visa. Our conference has been officially approved by the Ministry of Education, China.

Meanwhile, please visit our website at <http://www.geoinformatics2008.cn> for more updated information about the conference.

# Registration Form

<b>1、 Personal Information</b>			
<b>First Name</b>		<b>Last Name</b>	
<b>Male/Female</b>		<b>Title</b>	
<b>Student/non-student</b>		<b>Ms./Ph.D</b>	
<b>Address</b>			
<b>Organization</b>			
<b>Mobile</b>		<b>Phone</b>	
<b>Email:</b>		<b>Fax</b>	
<b>2、 Method of Payment (US Dollar (\$))</b>			
Overseas checks should be made payable to University of Cincinnati and sent to:			
<a href="#">GeoInformatics 2008</a> <a href="#">Department of Geography</a> <a href="#">Braunstein Hall 401</a> <a href="#">University of Cincinnati</a> <a href="#">Cincinnati, OH 45221-0131</a> <a href="#">U.S.A.</a>			
Make sure a completed registration form is mailed together with the check. Please contact Ms. Holly Arnold <holly.arnold@uc.edu> at 513-556-3480 if you have questions.			
<b>3、 Accommodation</b>			
<b>Hotel</b>	Guangzhou Huatai Hotel	<b>Address</b>	Xian lie nan Road No.23, Guangzhu
<b>Check in</b>	___ Month ___ Date 2008	<b>Check out</b>	___ Month ___ Date 2008
<b>Other accommodation request (Please specify.)</b>			
<b>4、 type of presentation</b>			
<b>Oral?</b>	( )	Are you interested in serving as a session chair? YES or NO	
<b>Poster?</b>	( )		

# Appendix

## 1、 Registration Fees

Category		<u>Before 15-05-2008</u> <u>Registration +</u> <u>Publication</u>	<u>Before 31-05-2008</u> <u>Registration +</u> <u>Publication</u>	<u>01-06-2008 and After</u> <u>Registration</u>
Non-students	CPGIS Members	\$ 150+ \$ 170	\$ 200+ \$ 170	\$ 200
	Non-members	\$ 200+ \$ 170	\$ 300+ \$ 170	\$ 300
Students	CPGIS Members	\$ 100+ \$ 170	\$ 150+ \$ 170	\$ 150
	Non-members	\$ 150+ \$ 170	\$ 200+ \$ 170	\$ 200

## 2、 Accommodation

<b>Guangzhou Huatai Hotel</b>	Standard room 260 CNY/Day
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## 3、 Transportation

1. From Guangzhou Railway Station to Huatai Hotel: about 15 minutes' ride  
Take No.33 bus from Guangzhou Railway Station to Xianlie Road after 7 stations, then walk 150m or so to Huatai Hotel.

Taxi: fee RMB18, distance 4.9km.

2. From Guangzhou East Railway Station to Huatai Hotel: about 20 minutes' ride  
Take No.62 bus from Guangzhou East Railway Station to Xianlie Road after 11 stations, and then walk 150 meters or so to Huatai Hotel.

Taxi: fee RMB 20, distance 5.4km.

3. From Guangzhou New Baiyun International Airport to Huatai Hotel: about 45 minutes' ride  
Take No. 2 Airport Express(every 15-30 minutes) to Garden Hotel (ticket RMB 17), go straight for 200m or so then turn right, walk along Xianlie road about 250m to Huatai Hotel, or change to taxi (RMB10).

Taxi from the airport: fee RMB 100, distance 30km.

<b>Meeting Affairs</b>	Conventioneers who take No.2 Airport Express to Garden Hotel from the New Baiyun International Airport can be taken to Huatai Hotel by our vehicles. In other cases, sorry to offer no such service.
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**Here is the way to contact us:**

Huatai Hotel: +86-20-87789888

Address: Xian lie nan Road No.23, Guangzhou China



5 Miss. Li

3) *Young Scholar Summer Workshop 2008 updates*

**Young Scholar Summer Workshop 2008: *Urban Growth · Pollution · Health***

June 18 – 20, 2008

The GIS Key Lab, East China Normal University  
3663 North Zhongshan Road, Shanghai 200062, People's Republic of China

**Co-Organizers and Sponsors**

Key Lab of Geographic Information Science, China's Ministry of Education  
Department of Geography, East China Normal University  
Shanghai Society of Geography

**Notes from the Chair of CPGIS YSSW 2008 Committee:**

It is our intention to choose Shanghai as the workshop site for the “urban” theme this year. This city represents the trend of urbanization that the entire China has been

experiencing at an unprecedented scale and speed since the later part of the last century. Many issues and problems related to environmental changes, urban management, and sustainable development have manifested themselves during this process. While they have a set of characteristics unique to the cultural and socioeconomic settings in China, these issues and problems demonstrate a high degree of commonality with the western experiences of vast urbanization in the past as well as in the present. Through YSSW 2008, CPGIS is pleased to provide a forum for the sharing of those experiences and common concerns, collision of diverse ideas and intellectual minds, and exchange of frontier researches between the oversea and domestic scholars. Better yet, all these will be done from the perspective of geographic information sciences! On behalf of CPGIS, therefore, I encourage you not to miss out this great opportunity. So be there for the great topics listed below, and join the party for a zero-distance dialogue with established scholars and fellow attendees over our hospitality!

Minhe Ji, Ph.D. – GIS Key Lab, China’s Ministry of Education at ECNU

### 1. Presentation Arrangement

#### June 18, 2008 (Wednesday)

8:30–9 am	Workshop commencement, keynote speech by Director of the Key GIScience Lab, China’s Ministry of Education	Jiong SHU
9–10 am	<i>New research in modeling urban crime and health inequality</i>	Yang LI
10–11 am	<i>Spatial transformation in the post-reform of China – a case study of Beijing</i>	Xiaobai YAO
Lunch Break		
2–3 pm	<i>May cellular automata-based urban modeling catch the realistic spatial process of urban dynamics?</i>	Yaolong ZHAO
3–4 pm	<i>Detecting spatial clusters of low birth weight in southeast Georgia</i>	Wei TU

#### June 19, 2008 (Thursday)

9–10 am	<i>A novel method for planning a staged evacuation</i>	Xiang LI
10–11 am	<i>Retrieval of aerosol optical depth from hyperspectral data, a case study of Shanghai, China</i>	Juan SUN
Lunch Break		
2–3 pm	<i>Utilizing MODIS temporal data to determine ecological indices for urban ecological studies</i>	Runhe SHI
3–4 pm	<i>The analysis of job-housing imbalance and urban commuting in a small-size U.S. metropolitan area – Bowling Green, Kentucky</i>	Jun YAN

### June 20, 2008 (Friday)

8:30–11 am	Panel discussion: <i>Urban Growth, Pollution, Health</i>	Minhe JI
11–11:15 am	Conclusion of CPGIS YSSW 2008	
	Lunch Break	
1:30–4 pm	Field visit to ECNU new campus	Jianfang YI

## 2. Logistics

**Weather:** Shanghai has been experiencing an unusual spring and summer this year. It is mild and humid currently, but you may expect a rainy season in mid June. So please watch the local weather broadcasting closely and prepare your personal gears accordingly.

**Transportation:** The Workshop provides no service for airport pick-up or drop-off, but the public transportation and taxi services are rather convenient in Shanghai. Presenters should please keep their receipts for local transportation as proof for reimbursement.

**Lodgings and Meals:** Local accommodations cover lodgings and meals for the presenters during the workshop.

**Workshop Consultation:** Ms. WU, Yimin, the GIS Key Lab, East China Normal University. Tel: 021-6260-0318 (O), email: [weibjtl@163.com](mailto:weibjtl@163.com)

## 3. Presenters Contact Information and Presentation Abstracts

### LI, Xiang, Ph.D., Associate Professor

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Tel: +86-21-62238367, E-mail: [xli@geo.ecnu.edu.cn](mailto:xli@geo.ecnu.edu.cn), Personal webpage: [www.giscience.cn](http://www.giscience.cn)

**Abstract:** During a large-scale evacuation in response to extreme disasters, limited traffic infrastructure is often inadequate to entertain extremely large traffic volume generated within a short period, and a simultaneous evacuation accompanied with spontaneous behaviors can lead to disorder and conflict and seriously prolong the process. A pre-defined staged evacuation plan is, therefore, required. However, there is still a lack of an efficient approach to planning a staged evacuation. I will present a method to facilitate making such a plan. Through employing an algorithm to schedule the starting time of each evacuation group, the method can guarantee that the time of completing a large-scale evacuation is very close to its theoretically shortest evacuation time. Meanwhile, unlike a simultaneous evacuation, during a staged evacuation planned with the proposed method, all evacuees can take the shortest path to a safe exit, and, once evacuees start off, they will not suffer any traffic congestion or stop on the way. The algorithm takes advantage of a time-extended arc table and a loop procedure to approach the above achievements. Comprehensive experiments have been conducted and their results validate the proposed method.

### LI, Yang, Ph.D., Research Fellow

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Email : [y.li@uel.ac.uk](mailto:y.li@uel.ac.uk), <http://www.uel.ac.uk/geo-information>

**Abstract:** Spatial analysis and modeling are being increasingly applied to urban developments across the world. In recent years, I have been involved in a number of research and consultancy projects for modeling spatial phenomena. These projects cover different areas of UK, particularly around Great London. As the most dynamic and diverse metropolitan region in Britain, London is experiencing high population churn, uncertainty in its demographic composition and issues in matching service delivery (such as policing and health service). There are also increasing demands for building sustainable communities that can adapt to change. I will present several case studies relating to health and crime applications to exhibit a number of geo-computational solutions, innovative spatial data analysis techniques and software tools for studying current problems faced in urban areas. These solutions consist of several phases, including *Geocoding of event data, cluster analysis and hotspot detection, and the creation of new analytical explanatory variables based on accessibility measures*. These solutions and techniques are robust and flexible, which can be modified and used in different urban areas of China, although they are originally developed for London.

**SHI, Runhe, Ph.D., Lecturer**

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Tel: +86-21-62232120, Email: [rhshi@geo.ecnu.edu.cn](mailto:rhshi@geo.ecnu.edu.cn)

**Abstract:** (To Be Determined)

**SUN, Juan, Ph.D., Lecturer**

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**Abstract:** Concentration of aerosols in the air or atmosphere greatly affects the air quality, visibility, and transmission of electromagnetic energy. The signals from a remote sensor mainly consist of atmospheric scattering and surface reflectance; it's very difficult to separate the contribution of inhomogeneous surface reflectance over land from that of aerosols. Over a dark area, the radiance obtained from remote sensor is the contribution of atmospheric path radiance; while over a bright area, the surface reflection also contributes to the radiance recorded by the sensor. Based on this concept, I want to demonstrate a research of utilizing high contrast surfaces for retrieving aerosol optical depth over the city of Shanghai from the airborne Operational Modular Imaging Spectrometer (OMIS) data acquired on 7 October, 2002. The primary results indicate that the Aerosol Optical Depth is about 0.214-0.417 in the wavelength range of 515nm and 577nm. The AOD under boundary layer can be retrieved from the high spatial and high spectral resolution airborne imagery. The retrieval results show a good agreement to the calculated AOD from visibility and LOWTRAN results.

**TU, Wei, Ph.D., Assistant Professor**

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**Abstract:** My presentation is concerned with the spatial patterning of Low birth weight (LBW). Defined as a live birth weighing less than 2,500 grams, LBW is a prevalent

condition in the United States and a significant predictor of infant mortality. In addition, LBW births are at elevated risk of experiencing significant developmental problems including respiratory distress, brain hemorrhage, heart problems, and intestinal abnormalities. Although genetics may be linked to an increased risk of LBW, this condition is strongly associated with many characteristics including socioeconomic (e.g. lack of access to health care), behavioral (e.g. smoking; nutrition), and demographic (e.g. mother's age; race) factors. A thorough understanding of LBW's spatial variability is a fundamental requisite for health program planning and control and for establishing baseline data for subsequent research protocols. The specific intent of this pilot project is to clearly identify significant spatial clusters of LBW cases in 24 contiguous counties in southeast Georgia in 2000. LBW clustering patterns will be analyzed and interpreted using two area-based spatial methods in a GIS environment, Anselin's LISA and Rogerson's R Statistic.

**YAN, Jun, Ph.D., Assistant Professor**

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**Abstract:** It is widely reported that links exist between the length of daily worker commute and the spatial separation of home and workplace. Some basic "benchmarks" have been developed to measure and compare the characteristics of commuting patterns relative to the land use and accessibility in a particular urban area. For the most part, these measures have been applied to large U.S. metropolitan areas and highly urbanized areas while little is known on the influence of urban form on commutes in small-size cities in U.S. where daily commutes almost exclusively depend on automobile travel due to the lack of a sizable market to support public transit. I would like to present my study here that aims to explore the effects of the spatial dispersion of jobs and workers' residences on commuting in a less populous urbanized area where the travel modal choices are limited and there are fewer number of employment centers. To be specific, two categories of analytical methods, namely 1) **job-housing balance ratio** and 2) **excess commute**, are adopted to examine the relationships between the distribution of jobs and housing and urban commute patterns in a small-size city in U.S., Bowling Green/Warren County, Kentucky, using Census Transportation Planning Package (CTPP) 2000 data. The findings in this study are assessed and compared with the findings from previous studies in large U.S. metropolitan areas.

**YAO, Xiaobai, Ph.D., Assistant Professor**

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**Abstract:** China has displayed very significant political and economic changes in the past two decades. A major consequence is the accelerated urbanization and urban transformation. Cities at different scales in China are undergoing changes in physical form, economic function, and social character. In this workshop, I want to present our effort in seeking better understanding of the processes of urban change in China, and use Beijing as the first case study to gain insight into people and society shaped by these political, economic, and global transformational changes. The objective of the study is to investigate spatial structural patterns of Beijing's urban morphological changes. We first

develop a spatiotemporal database of Beijing based on census data, satellite images, and field data. We then examine the spatial distribution of population density, house value, age composition, education level, income bracket, and other demographic and socioeconomic characteristics. We further employ exploratory visual analysis, spatial statistics, and spatiotemporal data mining methods to explore and understand the urban transformation that have taken place in Beijing since 1990. We also apply geographically weighted regression (GWR) to investigate the relationships between land use transformation and the infrastructural, demographic, and socioeconomic changes. Finally, we conduct a comparative study of contemporary urban transformation in the Chinese capital city and the historical transformation of a Western city, Atlanta in the United States. We expect to have some interesting findings that can shed light on the similarities and differences between Chinese experiences and their Western counterparts.

**ZHAO, Yaolong, Ph.D., Postdoctoral Fellow**

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Ibaraki, 305-8572 Japan, Email: [yaolongzhao@gmail.com](mailto:yaolongzhao@gmail.com)

**Abstract:** My presentation is concerned with the effectiveness of cellular automata (CA) for spatial modeling of urban dynamics. Out of the increasing need to understand the spatial process of urban dynamics in the rapid process of urbanization, CA-based urban modeling with GIS and remote sensing has been popularly utilized due to its capability of not only representing the macro-to-micro scale transformation in the urban dynamics but also shifting the way of thinking from top-down to bottom-up. However, may the CA-based urban models capture the realistic spatial process of urban dynamics? My presentation will demonstrate a case study in the city of Yokohama, Japan to answer this question. Land use data of six different years from 1974 to 2000 are used to detect urban land-use changes over time. Spatial resolution is systematically changed to retrieve a series of spatial autocorrelation indices and spatial metrics for different spatial scales. These indices and metrics are utilized to understand the spatial process of urban dynamics of Yokohama city in every 5 years from 1974 to 1994 and 6 years from 1994 to 2000. The results show that: 1) Urban dynamics exhibits different spatial processes at different spatial scales. This difference largely results from the spatial scale of choice being used in the model. It can therefore be regarded as error or mistake involved in the interpretation of spatial process of urban dynamics, because there is virtually only one true spatial process of urban dynamics at the individual level. 2) Spatial process can be a function of urban land-use types, because the behavior of agent of land-use as well as the size and shape of land-use parcels can be different for different land-use types. 3) Urban dynamics show different spatial process at different stage of time. Therefore, it is still a tough task for GIS experts and urban geographers to capture the realistic spatial process of urban dynamics with CA-based urban models.

## *Current CPGIS member list*

	<b>Name</b>	<b>Affiliation</b>
<b>Regular Members</b>	<a href="#">Bai Yuqi</a>	George Mason University
	<a href="#">Chen Xuwei</a>	Texas State University - San Marcos
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	<a href="#">Dang Anrong</a>	Tsinghua University
	<a href="#">Guo Diansheng</a>	University of South Carolina
	<a href="#">Guo Qinghua</a>	University of California Merced
	<a href="#">Ji Minhe</a>	East China Normal University
	<a href="#">Li Yang</a>	University of East London
	<a href="#">Li Yin</a>	University at Buffalo, SUNY
	<a href="#">Li Xia</a>	Sun Yat-sen University
	<a href="#">Li Yongfu</a>	Shanghai University
	<a href="#">Lu Dengsheng</a>	Auburn University
	<a href="#">Papez Jesse</a>	RMT, Inc
	<a href="#">Wang Xin</a>	University of Calgary
	<a href="#">Wen Yongning</a>	Nanjing Normal University
	<a href="#">Yan Jun</a>	Western Kentucky University
	<a href="#">Zhang Xiongjian</a>	Henan Polytechnic University
	<a href="#">Zhang Xiaoxiang</a>	Hohai University
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	<a href="#">Bareth Georg</a>	University of Cologne
	<a href="#">Chen Jingming</a>	University of Toronto
	<a href="#">Chen Dongmei</a>	Queens University
	<a href="#">Chen Xiaoyong</a>	Asia Air Survey Co. Ltd.
	<a href="#">Chen Minfeng</a>	Logica
	<a href="#">Chen Aijun</a>	George Mason University
	<a href="#">Di Liping</a>	George Mason University
	<a href="#">Du Qian</a>	Mississippi State University
	<a href="#">Gao Yang</a>	The University of Calgary
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	<a href="#">Gong Peng</a>	University of California
	<a href="#">Guan Jihong</a>	Wuhan University
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<a href="#">Zhou Qiming</a>	Hong Kong Baptist University
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### **Student Members**

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<a href="#">Li Xiuwei</a>	IGSNRR, CAS
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<a href="#">Wang Ningtao</a>	China University of Geosciences at Wuhan
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<a href="#">Yu Qian</a>	University of California, Berkeley
<a href="#">Yu Junpeng</a>	Wuhan University
<a href="#">Zhang An</a>	IGSNRR, CAS
<a href="#">Zhang Longqi</a>	IRSA, CAS
<a href="#">Zhao Weidong</a>	Nanjing Normal University
<a href="#">Zhong Liheng</a>	University of California Berkeley
<a href="#">Zhou Yuhong</a>	University of North Carolina at Charlotte

#### Honorary Members

<a href="#">Goodchild Michael</a>	University of California, Santa Barbara
<a href="#">Li Deren</a>	Wuhan University

#### CPGIS members in China (prepared by Dang Anrong)

董有福	南京师范大学
苏红军	南京师范大学
赵卫东	南京师范大学
杨 慧	南京师范大学
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黎夏	中山大学
刘小平	中山大学
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韩昊英	浙江大学
罗静	清华大学
党安荣	清华大学

### ***News on Members' Achievements***

**Dr. Peng Gong**, a Professor at University of California at Berkeley, received the 2008 AAG Remote Sensing Specialty Group (RSSG) *Outstanding Contributions in Remote Sensing Award*. The award, which consists of a medal, is made in recognition of his leadership in remote sensing research, education and service.

### **Congratulations!**

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Newsletter members: Qinghua Guo (chair), Jun Yang, Yongqian Tian, and Xin Miao. This issue is compiled and edited by Xin Miao. If you have any suggestions or comments, please send them to [miaoxin@missouristate.edu](mailto:miaoxin@missouristate.edu).