



President's Note

CPGIS:

of the members, by the members, for the members

On April 10, we had our annual AAG Get-Together Meeting at Los Angeles. Many committee chairs and other officers walked up to the stage, presenting their business reports and calling for actions for a variety of well-planned activities. Just like the audience, I was deeply impressed by the great job these committees have done. During this meeting, Lincoln's famous phrase came to my mind: "of the people, by the people, for the people".

For CPGIS, the phrase certainly becomes "of the members, by the members, for the members".

- "Of the members" means CPGIS belongs to every member.
- "For the members" is our mission, defining what CPGIS should do.
- "By the members" is our solution, indicating how to achieve our mission.

We have a lot of members, including two presidents, a BOD of 11 members, a headquarter, a treasurer, and 19 committees. The great work the current and ex-officers have done, the enthusiastic support every member has given, and the 21 years' of success of our association have exemplified the above phrase. What about for the future?

We should certainly expand and deepen our existing businesses. Our committees are working on this task. Look through this newsletter, you will find a lot of calls for actions. Can you join them? Or support them in some ways? Please do. (Here, I'd like to call out the 21st Geoinformatics Conference. Please attend it, to share your knowledge and to find collaboration opportunities with others GISers. The conference will be held in Kaifeng, a city associated with lots of famous historical stories. Plan some time to tour the city. It is time to book your airline tickets before the airfare becomes more expensive soon).

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We can also stand up certain new committees. Recently, Xun Shi, Bing Xu, Fahui Wang, Hui Lin, Jinfeng Wang, I and many others initiated a new committee on health-GIS. I think this is a great idea! As demonstrated in the recent AAG conference, health-GIS is a field of great potential. The formation of this committee in CPGIS is important and has a good timing. Right now the committee is working hard on preparing its first health-GIS workshop in Beijing this summer. A committee like this will benefit CPGIS as an organization and individual members. Along this line, do you see other committees we need?

Please remember:

- CPGIS is of yours. You are the owner.
- CPGIS is for you. What do you need? Let me know. We can work on it.
- CPGIS is by you. What can you do? Let me know. Together, we can do it!

Pinde Fu, Ph.D.

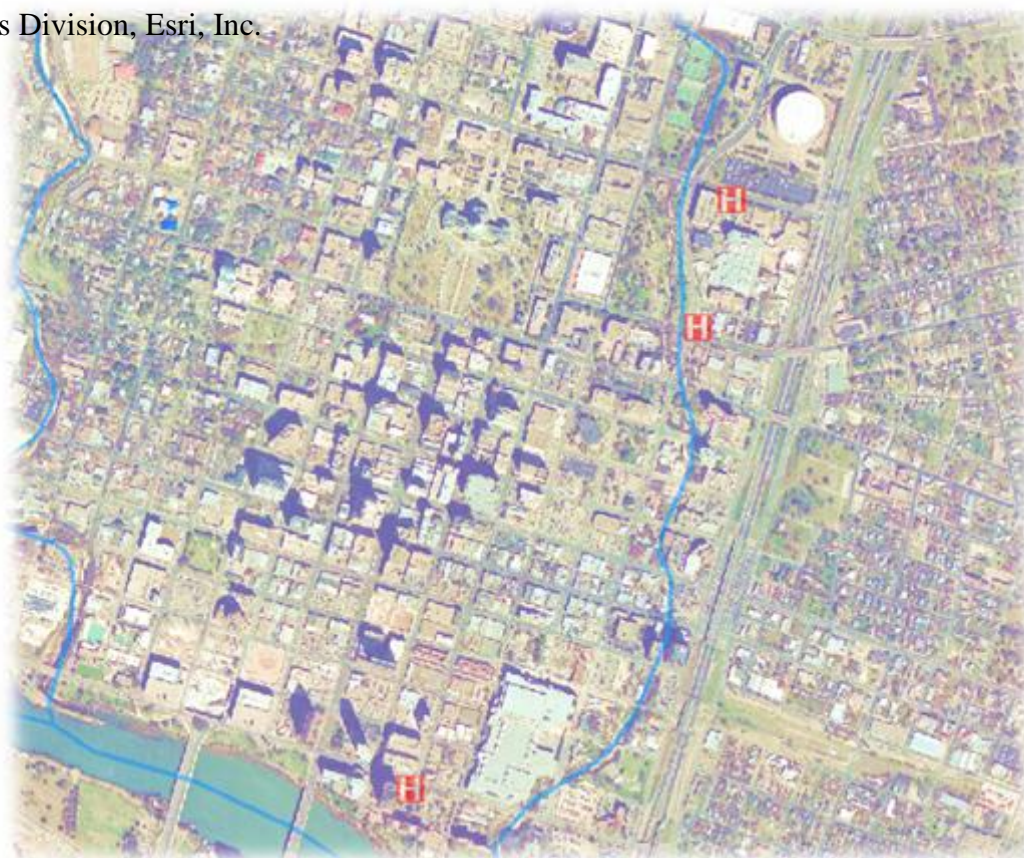
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CPGIS BOD 2012-2013



Qisheng Pan



Changshan Wu



Cuizhen Wang



Shixiong Hu



Shaowen Wang



Diansheng Guo



Xun Shi



Xinyue Ye



Pinde Fu



Daoqin Tong



Bing Xu

CPGIS Business Meeting at AAG 2013



CPGIS had a business meeting at AAG 2013 annual meeting in Westin Bonaventure hotel, Los Angeles on April 11, 2013. About 120 people attended the meeting. CPGIS president, Pinde Fu, chaired the meeting.

1. Conference Preparation (Henan University: Yaochen Qin)

- 350 papers and abstracts
- Invited 4 keynote speakers: XU Guanhua, Goodchild Michael, Li Deren, Konecny Milan
- Conference Registration: early registration ends on 5/10
- CPGIS Night: Qing-Ming-Shang-He-Yuan theme park (清明上河园主题公园)
- Fields trips:
 - Central China History Trip: 中原文化之旅
 - Shaolin Temple, Longmen Grotto, Xiaolangdi Dam etc.
 - 少林寺, 龙门石窟, 黄河小浪底大坝
 - The Grand Canyon of Tihang Mountain 太行山大峡谷风光之旅
 - Yuntai Mountain, Taihang Mountain, Red Flag Canal etc.

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2. From the Annals of GIS Journal Committee (Hui Lin):

- Annals of GIS has been **indexed by a popular citation system Scopus**, a step closer to our target SCI index system;
- Papers in our journal has been **cited by Science** paper on medicine;
- Increasing royalty has been received by CPGIS (**51% increase** compared with the previous year)

Call for continual support from members:

- Promote our journal for more subscription;
- Submit quality papers to our journal;
- Cite more papers from our journal papers.

3. From the Annual Conference Committee (Pinde Fu)

- **Formed** International Steering Committee, Program Committee, Conference Proceeding
- Plan to invite **additional keynote speakers** (young and well established)

4. From the Conference Proceeding Publication Committee (Xinyue Ye, Shixiong Hu)

- Applied **IEEE GRSS** (Geoscience and Remote Sensing Society) as the technical sponsorship and publish the conference papers as IEEE proceedings. Accepted and gone through the paperwork
- **Abstracts and Papers being reviewed** by the program committee. Announcing results soon.

5. From the Student Paper Competition Committee (Jie Tian)

- Called for participation in the student paper competition
- Forming a new judge team

Call for actions:

- The awards will include one First-Place Award (\$600), one Second-Place Award (\$300), and two Third-Place Awards (\$150 each). Besides the monetary awards, awardees will receive certificate plaques.
- If you are a student, have submitted a paper for the Geoinformatics 2013 conference, and you are the first author. **If you would like to join the competition**, send Jie an email (jjietian@clarku.edu)
- **If you would like to be a judge** of the competition, please send Jie (jjietian@clarku.edu) an email as well. (Certain requirements may apply)

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6. From the Go Home Committee (Shixiong Hu)

- **Location:** Zhuhai (珠海) & Nanchang (南昌), China
- **Date:** June 13-19, 2013 (before Kaifeng conference)
- **Theme:** Application of Geospatial Technology in Natural Environment and Urban Development
- **Format:** One presentation (40-50 minutes) and round table discussion
- **Schedule:**
- June 13-16 Advanced seminars at Zhuhai Campus, Beijing Normal University (Zhuhai, Hongshun Chen & Dr. Wei Huang)
- June 16-18 Advanced seminars at Jiangxi Normal University (Nanchang, Dr. Chaoyang Fang)
- June 19 Fly to Kaifeng and attend the Geoinformatics 2013 Conference
- **Covered expenses:** Lodging, meal, round trip of domestic airfare, and some tours
- **To apply,** send your proposals and C.V. to shu@esu.edu or sxhu_2000@ayhoo.com

7. From the Conference Site Selection Committee (Luo Wei)

- Called for Geoinformatics 2014 hosting proposals
- Received inquiries from a few potential candidates
- Need full proposals (If you need a proposal sample, please contact wluo@niu.edu)

8. From the CPGIS Book Series Editorial Board (Secretary: Xinyue Ye)

- Call for book proposals. Submit to xinyue.ye@gmail.com
- If selected, HEP will waive the publication fee, which typically starts at 30,000 Yuan.
- Plan to publish at least 4 books a year

9. From the Geoscience Training Committee (Chaowei Yang)

- Executive Training Program for Advanced GeoInformation Management (2012): Big success
- 2013 Training Program:
 - Organized by NASG and GMU
 - 22 Directors from 10 provinces
 - July, 5-19, 2013
 - Executives from U.S. will give talks for the two week training GMU, USGS, ESRI, and other two organizations will host

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10. From the Standards and Standardization Committee (Yuqi Bai)

- Held a seminar by Liping Di (Chair of INCITS/L1) in March
- Another seminar by George Percivall (OGC Chief Engineer) in June
- Two more seminars planned for September and December
- Slides or main contents will be shared with CPGIS email list

11. From the Service Award Committee (Aijun Chen)

- For identifying awardees of CPGIS annual Excellent Service Award for Individual and Group, The Committee has below schedule. Please be ready to nominate.
- April 14th: Call for Nominations
- May 12th: Last Call for Nominations
- May 14th: Send Service Awardee Candidates list to BO

12. From the Education Committee (Pinde Fu)

- **Book donation:** Free books at Esri AAG booth; more free books later this year
- **Teaching slides and videos:** In an email of mine last year. Will update
- **Excellence in Education Award**
 - April 22th: Call for Nominations
 - May 12th: Last Call for Nominations
 - June 20th: Award ceremony at Geoinformatics welcome dinner
- **Excellence in Research Award**
 - Generally approved by BOD. Criteria to be detailed.

13. From the Technology Transfer and Entrepreneurship (Vincent Tao, Bonan Li)

- 2012
 - Panel discussion at Hong Kong Conference
 - 深圳人才交流大会
- 2013
 - 中关村创业考察 June 2013 (If interested, email bonan.li@gmail.com)
 - Planning activities the industry members (e.g. Esri China)

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14. From the CPGIS Membership Committee (Peisheng Zhao)

- Lots of member benefits: journals, discounted conference registration, lots of activities (see the above), network of worldwide GIS friends
- Membership Fee:
 - Regular Member (\$40), Student (\$20), Life-time (\$400)
 - Organizational member: \$400
- Join online: <http://www.cpgis.org>

15. From the Newsletter Committee (T. Edwin Chow)

- 2012 Issues (Spring/Winter)
- Call for news for 2013 Issues (Spring/Summer/Winter): send to cpgis.news@gmail.com by April 26, 2013

We had a great get-together meeting at AAG! A lot of friends attended the meeting, among which about 120 joined the dinner party. Special thanks to:

- **Chuanrong Zhang**, Chair of the AAG Get-Together Committee, for organizing the meeting & dinner party,
- **Wimmy Lin**, a volunteer from Esri, for helping us choose the dishes and lead us to the restaurant,
- **All committee chairs**, for providing and/or presenting their committee business report slides,
- and, to **Bing Xu & Beijing Normal University** for sponsoring the dinner party!



Dinner party after the meeting



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News

2011 CPGIS “Go Home” Project Final Report

Project Summary:

The “Go Home” Project is one of a series of summer activities sponsored by The International Association for Chinese Professionals in Geographical Information Sciences (CPGIS), a nonprofit organization that aims to promote professional development in GIS and related technology by fostering cooperation among its members.

This project is specifically designed to encourage academic and professional exchanges between domestic and overseas Chinese GIS professionals through advanced GIS seminars and follow-up discussion held in selected universities and research institutes in China. With the purpose of introducing advanced spatial information technology to academics and professionals in different regions of China, the “Go Home” Project is a continuation of CPGIS’ successful “Go West” Project launched in 2002 in response to the “Western China Development” strategy. The project was renamed “Go Home” in 2007, with a new goal of strengthening the communication of overseas CPGIS scholars with GIS professionals and students in all regions of China.

During the workshop, the professors and students at CUST, and the officials from local water-related governmental agencies attended the workshop and roundtable discussion. The local attendances were updated with the frontier of GIS/RS application in water related fields through workshop and post-workshop discussion. The “Go Home” Committee would like to express the appreciation to the local organizer, Dr. Changbo Jiang, his colleagues and students for their hospitality and great support, which include their covering four-star hotel, meals, domestic airfare, city tour and excursion.

With the support of Changsha University of Science & Technology (CUST), the CPGIS “Go Home” committee organized an advanced GIS workshop in Changsha on June 20-21, 2011.

Co-organizers: Dr. Shixiong Hu and Dr. Changbo Jiang



Group picture of the workshop



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Young Scholar Summit Program in China (2011)

Project Summary:

With the economic booming and west development, a number of water-related problems have become a concern, including flooding, soil erosion and sedimentation, debris flow, barrier lakes from earthquake, nonpoint source pollution, stream ecological degradation, etc. Given the vulnerable environment in the west and increasing human disturbance, it is essential to understand the dynamics and impacts of human activities and global climate change on fundamental processes of hydrology, fluvial geomorphology, water quality, and ecology in order to develop sustainable policies to ensure economic prosperity and ecological integrity in the west. CPGIS, in conjunction with Sichuan University, organized the CPGIS young scholar summit meeting in China in the summer of 2011. The theme of the meeting was Advanced geospatial technology in water-related disaster prevention. About 100 people attended the workshop, which include faculty members, graduate students from Sichuan University, Institute of Mountain Hazards and Environment (IMHE) and local governmental officials. Application of Geo-technology in Water Resources in different regions of the world was introduced to local audience. Local scientists also covered the application of GIS and RS on how to deal with the Wenchuan Earthquake-induced landslide lakes. CPGIS Young Scholar Summit committee would like to thank all the support from the State Key Laboratory of Hydraulics and Mountain River Engineering, Sichuan University.



Group pictures with local organizers in Sichuan University



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Introduction to CPGIS TTEC (Technology Transfer and Entrepreneurship Committee)

CPGIS TTEC (Technology Transfer and Entrepreneurship Committee) commits to promote the technology innovation/transfer and to develop a forum for entrepreneurship within CPGIS community. CPGIS TTEC has been engaged in the following activities in 2013:

- Sharing information related to Technology Transfer and Entrepreneurship on **CPGIS online forum** (<http://forum.cpgis.org>)
 - Angel/VC financing information
 - Angel Capital Association (<http://www.angelcapitalassociation.org>)
 - AngelDeals (<http://venturepreneurs.com>)
 - National Venture Capital Association (NVCA) (<http://www.nvca.org>)
 - The National Association of Small Business Investment Companies (NASBIC) (<http://www.nasbic.org>)
 - Angel Pool (<http://www.angelpool.org>)
 - Presentations from SBIR, Angels, VC, Global 1000 on the University Startup Conference 2013: <http://www.ncet2.org/ind...view=article&id=560>
 - Upcoming entrepreneurial conferences:
 - [2013 地理信息开发者大会\(Geospatial Developers Conference\)](#)
 - [National SBIR/STTR Conference 2013](#)
- Sharing activities in China that aim to attract entrepreneurial talents
 - Nanjing 321 Plan
 - Overseas high-level talents entrepreneurial activity dinner in Washington DC
 - The entrepreneurial Doctor Mission activity in Fujian
- Hosting the Entrepreneurship Panel Discussion on the GeoInformatics Conference 2013. This panel discussion usually cover topics of hot technologies that are favor of venture capitals, experience sharing from other GIS startups, how to participate and benefit from the government entrepreneurial support activities, etc.
- Organizing the visit to 中关村创业园 in late June 2013 after the CPGIS Conference. The activities include entrepreneurial policy propaganda, old returnees to share experiences, high-level talents recruitment, etc.





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The ISPRS Workshop on Laser Scanning 2013

Organised by:

- ISPRS WG V/3: Terrestrial 3D Imaging and Sensors
- ISPRS WG III/2: 3D Point Cloud Processing
- ISPRS WG I/2: LIDAR, SAR and Optical Sensors for Airborne and Spaceborne Platforms
- ISPRS WG I/3: Multi-Platform Multi-Sensor Inter-Calibration
- ISPRS ICWG I/Va: Mobile Scanning and Imaging Systems for 3D Surveying and Mapping
- ISPRS WG V/2: Cultural Heritage Data Acquisition and Processing
- ISPRS WG VII/7 Synergy in Radar and Lidar

Laser Scanning 2013 is jointly organized with:

- [Laser Scanning 2013](#)
- [CMRT13 - City Models, Roads and Traffic 2013](#)
- [ISPRS Joint Meeting "Serving Society with Geoinformatics" \(will host the registration system\)](#)

Workshop Chairs:

Marco Scaioni (Tongji University, Shanghai, P.R. China)
Roderik Lindenbergh (Technical University of Delft, The Netherlands)
Sander Oude Elberink (University of Twente, The Netherlands)

Chair of the organizing committee and contact person:

Francesco Pirotti (francesco.pirotti@unipd.it)

Scope:

Laser Scanning 2013 is the latest of a series of eight ISPRS workshops covering various aspects of spaceborne, airborne and mobile laser scanning, and all terrestrial 3D ranging sensors. The workshop would like to bring together experts from different disciplines which are focused on the modeling and application of point cloud data acquired from laser scanners and other active imaging systems, such as range cameras and gaming sensors. All aspects related to sensor calibration and modeling, as well as data processing are involved. The workshop is held in parallel with the CMRT 2013 (Object Extraction for 3D City Models, Road Databases and Traffic Monitoring - Concepts, Algorithms, and Evaluation) ISPRS workshop and in conjunction with the ISPRS joint meeting on 'Serving Society with Geoinformatics'.

Workshop topics:

- Sensor and system calibration and validation;
- Error and data modeling;
- Point cloud registration and processing;
- Feature extraction and object recognition;
- Full wave-form data analysis;
- Data fusion (LiDAR, RADAR, imagery);
- Mobile terrestrial scanning systems;
- Range imaging and gaming sensors;
- Modeling of anthropogenic and natural areas;
- Engineering and science oriented applications.



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Verizon donated \$750 to CPGIS as a match to Dr. Yuemin Ding's volunteer service

Verizon Inc. recently donated \$750 to CPGIS as a match to Dr. Yuemin Ding's volunteer service for CPGIS last year. On behalf of CPGIS, I want to thank Yuemin and Verizon for their continuous support to our organization over the years. It's such kind of volunteer service of our members that have made CPGIS the successful organization it is today.

Yuemin, a lifetime CPGIS member, is currently Associate Director of Verizon Information Technology. At Verizon, employees who volunteer 50 hours or more can apply for a \$750 volunteer grant for the non-profit organization where the employee volunteers.

Last year, Yuemin served as a BOD Member and chief-editor of the 20th CPGIS anniversary brochure. He helped organizing the 20th anniversary celebration, and designed the 20th CPGIS anniversary celebration t-shirt and bag. He volunteered way more than 50 hours of his busy time. As a match to his volunteer service, Verizon kindly made the donation to CPGIS.

"CPGIS has been in my heart since the first day it was born" said Yuemin. I would say he has been actively serving CPGIS, even since before the first day of CPGIS. In 1992, with Professor Hui Lin and other early founding members, he co-founded CPGIS. He created the first issue of CPGIS Newsletter and designed CPGIS logo. He served as the 3rd CPGIS President, member of BOD, Editor-in-chief of CPGIS Newsletter, and Co-chair of Geoinformatics Conference Committee etc.

Lastly, I want to thank Verizon for this wonderful donation program. Many of us are Verizon's customers and already know Verizon. I'd like to take this chance to provide some facts about Verizon. Verizon Communications Inc., headquartered in New York, is a global leader in delivering broadband and other wireless and wireline communications services to consumer, business, government, and wholesale customers. Verizon Wireless operates America's most reliable wireless network, with more than 98 million retail customers nationwide. Verizon also provides converged communications, information and entertainment services over America's most advanced fiber-optic network, and delivers integrated business solutions to customers in more than 150 countries, including all of the Fortune 500. A Dow 30 company with nearly \$116 billion in 2012 revenues, Verizon employs a diverse workforce of 183,400. Verizon ranked No.15 in the 2012 Fortune 500 list.

Best regards,

Pinde Fu



Introduction to Kaifeng, Host City of the 21st Geoinformatics Conference

This year's International Geoinformatics Conference will be held at Kaifeng during June 20-22. Kaifeng is a city full of history. It was the capital of seven dynasties. Most people grown up in China have heard of stories about Lord Bao (包公), Generals of the Yang's (杨家将, 穆桂英...), Generals of the Hu's (呼家将), Lu Zhishen (鲁智深), Yue Fei (岳飞), and Pan Renmei (潘仁美)... You can find their footprints or remains at Kaifeng.

Local Attractions

- Qingming Riverside Landscape Garden theme park (清明上河园主题游乐园)
- Dragon Pavilion (龙亭公园)
- Lord Bao Temple (包公祠)
- Xiangguo Temple (相国寺)
- Imperial Street of Song Dynasty (宋都御街)
- Iron Pagoda (铁塔公园)
- Cities under Cities Museum (地下城叠城博物馆)
- Yellow River (黄河)
- Yuefei Temple (朱仙镇岳飞庙)
- ...

Plan to come 1 or 2 days early to visit these attractions.



清明上河园

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Near Attractions

After the conference, enjoy a three-day field trip (Jun. 23-25, 2013) if you are interested. There will be two routes to choose:

Route 1: The Grand Canyon of Tihang Mountain (太行山大峡谷风光之旅), which cover Yuntai Mountain (云台山), Taihang Mountain (太行山), Red Flag Canal (红旗渠) etc.

Route 2: Central China History Trip (中原文化之旅), will cover Shaolin Temple (少林寺), Longmen Grotto (龙门石窟), Xiaolangdi Dam (黄河小浪底大坝) etc.

These field trips will be organized by Kaifeng local travel agencies. The cost estimated for each route is RMB1600, including hotels, transportation, food, tickets and travel insurance.

Local Food

Too difficult to translate, so I am listing their Chinese names:

开封小笼包子 (especially 第一楼包子)、鲤鱼焙面、套四宝、清汤东坡肉、白扒豆腐等、桶子鸡、马豫兴桶子鸡、三鲜莲花酥、鲤鱼焙面、菊花火锅、大京枣、烩面、双麻火烧、芝麻翅中翅、红薯泥、花生糕、五香风干兔肉、黄焖鱼、锅贴、羊肉炕馍、炒凉粉、冰糖熟梨、杏仁茶、江米切糕、回民羊肉汤、麻辣花生。

Living Expense

Low

CPGIS Night

Attendees of the conference will be watching the “Song Dynasty -- East Capital Dreamy Splendor” show (大宋·东京梦华大型水景演出), a large live performance over the lakes. See some photos at [here](#).

Temperature in June: relative hot (no surprise, it's summer)

- Average high °C (°F): 31.3 (88.3)
- Average low °C (°F): 19.8 (67.6)
- Precipitation mm (inches): 73.4 (2.89)

Transportation

Fly to Zhengzhou Airport, then get to Kaifeng via buses (public or provided by Henan University during the conference)

More Information

- <http://www.baike.com/wiki/%E5%BC%80%E5%B0%81>



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Resources

MapGIS IGSS 3D Product Released

Zondy Cyber Group launched a new product release conference for MapGIS IGSS 3D at Beijing Hubei Hotel on March 22, which marked that a new generation of 3D GIS sharing service platform solution product came out to the market. With the popular use of 3D technology, 3D GIS has broken the constraint that geospatial information can only be displayed on 2D plane, meanwhile it also inherits strong data management and space analysis function from 2D GIS, which is a tendency in many areas and industries.

Zondy Cyber's new product MapGIS IGSS 3D is a smart solution based on 3D geospatial information service sharing platform. By virtue of MapGIS IGSS service sharing framework and MapGIS TDE as its kernel, MapGIS IGSS 3D provides a comprehensive solution for 3D visualization, modeling and analysis of aerial, above-ground, ground surface and under-ground objects. It uses quickly build-up, on-demand service pattern to supply 3D GIS solution to all industries. The new pattern will be more efficient, convenient and practical.



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Core Value of New MapGIS: Total Space, Real 3D, Easy Integration, Cloud Sharing

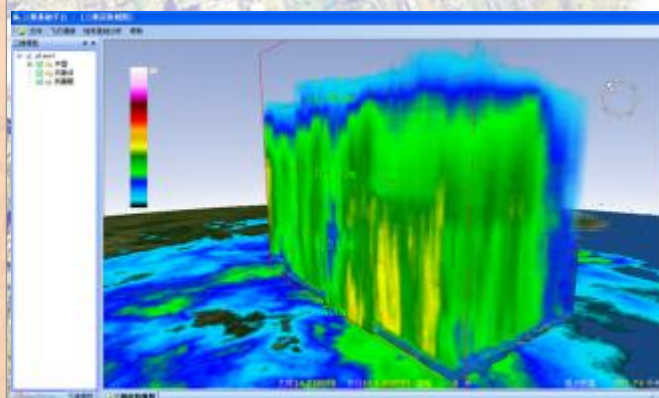
Zondy Cyber Group is always focusing on the advancement of geographic information technology, the new product MapGIS IGSS 3D can provide geographic information services entirely and authoritatively.

Firstly, MapGIS gathers all information from aerial, above ground, ground surface and under-ground to create a geodatabase, and the integration management and display of geographic information can manage and edit geographic data easily, and it also can express the real world accurately;

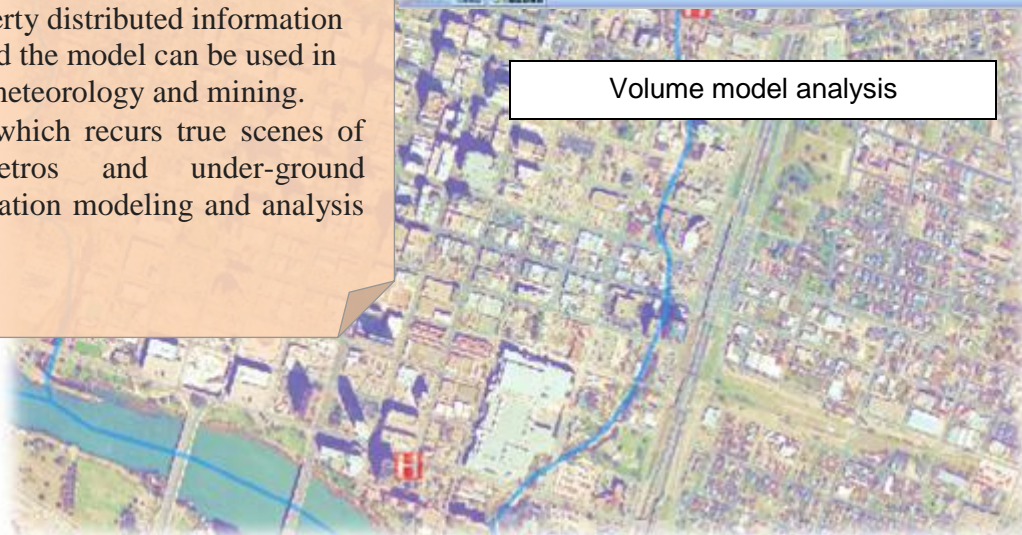
- Aerial visualization: which can simulate multiple spatio-temporal objects within atmosphere, and provide 3D visualized information such as sharing meteorological data, aviation orbit, satellite orbit, and environment simulation to different clients;
- Above ground visualization: which can express information of all buildings and construct vivid and effective 3D scenes;
- Ground surface visualization: which provides base surface information for aerial, above ground and under-ground by sharing terrain information;
- Use spatial non-uniform property distributed information to build 3D volume model, and the model can be used in special industries, such as in meteorology and mining.
- Under-ground visualization: which recurs true scenes of under-ground tunnels, metros and under-ground architecture by spatial information modeling and analysis technology.



Digital city ---3D pipelines



Volume model analysis



Secondly, MapGIS offers abundant 3D modeling tools and professional analysis tools, these tools can help different users to analyze deeply, gain a greater understanding of their geographic data, and facilitate them to make more informed high-level decisions; buildings, various kinds of roads, all kinds of pipelines;

- Provide 3D modeling tools for common objects in reality, such as regular buildings, various kinds of roads, all kinds of pipelines;
- Use spatial non-uniform property distributed information to build 3D volume model, and the model can be used in special industries, such as in meteorology and mining.
- Provide abundant professional terrain analysis function in 3D scene, which can expand the application of 3D GIS on terrain analysis. For example, acquire information of terrain by interactive query, which can improve the accuracy of decision.

Thirdly, MapGIS provides visualized development environment and a secondary development platform. Users can pay more attention to professional process analysis instead of complicated coding work;

- Count and show disaster information in graph or report forms;
- Analyze historical data to forecast disaster;
- Integrate the geographic information, and share multi-dimensional data with high efficiency.

3D GIS is also used in city construction, environmental monitoring, and climate prediction and so on. All MapGIS fans were impressed by the glamour of MapGIS IGSS 3D, and they believe that 3D GIS will improve their life quality and bring them into new technology exploration. More and more ordinary people can make use of professional 3D geographic information services conveniently in the near future.

For more information about MapGIS, please visit:
<http://www.mapgis.com/>



Landslide Analysis



Monitoring of Typhoon Track



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Awards/Achievement

Dr. **Wei Luo** recently received [Northern Illinois University's Presidential Research Professorship](#).

“Using geographic information systems, remote sensing, computer modeling, statistics and machine learning to ponder those factors, Luo has built a career that traverses physical science, social science and the humanities.” -- <http://www.niutoday.info/2013/04/15/wei-luo-of-time-and-space/>

Dr. **Shaozhong Shi**: Under the auspice of the Science Foundation Ireland, Dr. Shaozhong SHI undertook a ground breaking research into direct processing and generalisation of vector-based maps containing real-world features. He explored a new approach and subsequent innovative combined use of selected methods, which has led to a State-of-Art processor for generalising maps of natural features.

Dr. **Changshan Wu**:

Recent publications --

Wenliang Li and Changshan Wu, A spatially explicit method to examine the impact of urbanization on natural ecosystem service values, *Journal of Spatial Science*, Forthcoming.

Greg Rybarczyk and Changshan Wu, Examining the impact of urban morphology on bicycle mode choice, *Environmental and Planning B*, Forthcoming.

Rama Mohapatra and Changshan Wu, Modeling Urban Growth at a Micro level: a Panel Data Analysis, *International Journal of Applied Geospatial Research*, forthcoming.

Lianru Gao, Bing Zhang, Xu Sun, Shanshan Li, Qian Du, and Changshan Wu, 2013, Optimized maximum noise fraction for dimensionality reduction of Chinese HJ-1A hyperspectral data, *EURASIP Journal on Advances in Signal Processing*, 65, doi:10.1186/1687-6180-2013-65

Chengbin Deng and Changshan Wu, 2013, A spatially adaptive spectral mixture analysis method for mapping subpixel impervious surface distribution, *Remote Sensing of Environment*.

Chengbin Deng and Changshan Wu, 2013, Estimating very high resolution land surface temperature using a spectral unmixing and thermal mixing approach, *International Journal of Applied Earth Observation and Geoinformation*.

Wenliang Li, Changshan Wu, Shuying Zang, 2013, Modeling urban land use conversion of Daqing City, China: a comparative analysis of stochastic cellular automata and CLUE-S models, *Stochastic Environmental Research & Risk Assessment*.

Bing Zhang, Shanshan Li, Changshan Wu, Lianru Gao, Wenjuan Zhang, Man Peng, 2013, A neighbourhood-constrained k-means approach to classify very high spatial resolution hyperspectral imagery, *Remote Sensing Letters*

Chengbin Deng and Changshan Wu, 2013, Improving Small-area Population Estimation: an Integrated Geographic and Demographic Approach, *Annals of the Association of American Geographers*.

Chengbin Deng and Changshan Wu, 2013, Examining the impacts of urban biophysical compositions on surface urban heat island: a spectral unmixing and thermal mixing approach, *RS of Environment*, 131, 262-274.

Haotao Zhao, Bing Zhang, Changshan Wu, 2013, Zengli Zuo, and Zhengchao Chen, Development of a Coordinate Transformation Method for Direct Georeferencing in Map Projection Frames, *ISPRS Journal of Photogrammetric Engineering and Remote Sensing*, 77, 94-103.

Grant activities --

Impacts of climatic and land use changes on streamflow and water quality in the Milwaukee River basin, co-PI (PI: Choi, W), WI Groundwater Coordinating Council, United States Geological Survey, March 2013 – August 2014, \$78,556.

Dr. Wu has been promoted to be full professor and elected as the chair of geography department at University of Wisconsin - Milwaukee starting fall 2013.



CPGIS

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国际华人地理信息科学协会

Future Events

EOGC 2013 & CIG

Toronto, Ontario, Canada

Conference Dates: June 5-7, 2013

GeoInformatics 2013

Kaifeng, Henan Province, China

Conference Dates: June 20-22, 2013

IACP Conference

Shanghai, China

Conference Dates: June 29 – July 1, 2013

ESRI International User Conference

San Diego, California, USA

Conference Dates: July 8-12, 2013

COM.Geo 2013

San Jose, CA, USA

Conference Dates: July 22-24, 2013

IGU 2013

Tokyo, Japan

Conference Dates: Aug 4-9, 2013