



## President's Note



Dear CPGIS members,

As the CPGIS President for the year 2017-2018, I would like to thank you for your passion and your great support to our association. My thanks also go to the previous CPGIS presidents and the BOD members because you are the CPGIS framework builders and made our association so influential in the international society during the past 25 years.

In this year, we are going to have the following events that need your contribution and participation:

- the CPGIS business meeting and getting together event on AAG in the coming April
- the “Huang Men Dialog” Forum about spatiotemporal big data and smart city on the June 26, 2018 at Peking University
- the CPGIS conference on June 28-30 at Yunnan Normal University in Kunming, China

Besides, we will promote CPGIS on the AGILE conference and GIScience conference this year, in order to increase the internationality of our association and look for collaboration with our sister societies.

Like the previous CPGIS presidents, I will try my best to increase the student representatives in our association and encourage them to attend CPGIS events by reducing their attending fees as much as possible and providing more student awards.

Finally, I am asking for your support as always and will work with all of you to continue the success of our association and further expand upon this success for a better future.

Prof. Dr. Jianya Gong  
Academician of Chinese Academy of Science  
Dean of School of Remote Sensing Information Engineering  
Wuhan University

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## *Presidential Report*



Dear all,

As the immediate past president and incoming BOD chair, I would like to express my deep appreciation to founding president Dr. Hui Lin and other former presidents, Dr. Shixiong Hu and all BOD members, general secretary Dr. Shuming Bao, all the committees, members, and friends of CPGIS. With your great support and friendship, CPGIS keeps growing. Here is the summary of achievements done by our committees and members in the past year:

### **1) CPGIS 25:**

CPGIS run a very successful 25th International Annual Conference on Geoinformatics on August 2-4, 2017 through the work of Local Organizing Committee led by Dr. Ling Bian, Director of NCGIA-Buffalo. Under the theme of Past and Future 25 Years, 240 participants from 89 universities and corporates around the world, along with 50 family members, gathered at CPGIS's birthplace to celebrate the 25th anniversary of CPGIS. Established 25 years ago on the same campus led by a group of UB students with big dreams, CPGIS has grown up to a mature association with members from 31 countries and regions. Eight world class academicians from National Academy of Sciences of Canada, China, UK, and USA delivered keynotes. My sincere thanks go to the CPGIS founders and donors for their big vision!

### **2) CPGIS networking:**

CPGIS has retained and recruited more engaged members. We organized successful Business Meetings and Get-together dinner events in Geoinformatics annual conference, AAG conference, AGU conference, and among others.

We have enhanced communications among our members through the publication of newsletters. Social media platforms have also been established to regularly and frequently increase the awareness of CPGIS and spatial thinking. Two student BOD members have actively promoted the CPGIS events among younger generations.

### **3) CPGIS conference publication and book series:**

For the tenth time, CPGIS has received the technical sponsorship from IEEE GRSS (Geoscience and Remote Sensing Society) and published the conference papers as IEEE proceedings. Partnering with China Higher Education Press (HEP), CPGIS Series books have been promoting the development of GIScience and technology, fostering knowledge exchanges among the GIS scholars worldwide, and facilitating GIS education of all levels. The most recent addition to the book series is Frontier of Geographic Information Science, as a gift to the 25th anniversary of CPGIS.

### **4) CPGIS “Go Home” project and CPGIS Bases in China:**

The “Go Home” 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 support of Harbin Normal University and Northeastern Normal University, the CPGIS “Go Home” project has successfully organized Emerging Geospatial Technologies and Applications seminars in the summer of 2017 in Harbin and Changchun. A new committee for the management of CPGIS Bases in China has been diligently growing our new bases in Changsha and Kaifeng.

### **5) Advanced Geoinformation Science Training, Health GIS, and Spatial Social Science:**

CPGIS committees on Advanced Geoinformation Science Training, Health GIS, and Spatial Social Science have been actively promoting spatial, social, and health data analytics education these years. Advanced Geoinformation Science Training Committee delivered joint activities in the USA. The eighth international forum on spatially integrated humanities and social sciences was held in Hohai University. The fourth Health GIS workshop was organized in East China Normal University.

As a famous saying stated, never doubt that a small group of thoughtful, committed citizens can change the world; indeed, it's the only thing that ever has. That is how CPGIS has been demonstrating. CPGIS has been committing to promoting the development of research, education and entrepreneurship in geographic information science and technology at all levels around the world. As a non-profit organization run by volunteers, CPGIS organizes an international conference of GeoInformatics every year in various countries and regions. We also have a quarterly and peer-reviewed academic journal, Annals of GIS, published by Taylor & Francis. CPGIS has established a unique platform for students, scholars and professionals in GIS to

academic journal, *Annals of GIS*, published by Taylor & Francis. CPGIS has established a unique platform for students, scholars and professionals in GIS to develop their social network, leadership and careers.

Look forward to the leadership of Academician Jianya Gong, Dr. Changshan Wu, and the new BOD. Success is always connected with taking action. As an organization with full of motivation and ambition, we will continue this tradition.

Yours sincerely,  
Xinyue

Xinyue Ye, Ph.D.  
Immediate Past President, CPGIS  
Director, Computational Social Science Lab  
Associate Professor, Department of Geography  
Associate Professor, School of Digital Sciences  
Adjunct Professor, Department of Computer Science  
Kent State University, Email: [xye5@kent.edu](mailto:xye5@kent.edu)  
<http://www.kent.edu/geography/xinyue-ye>  
<https://scholar.google.com/citations?user=Uy76pMcAAAAJ>

## Announcements

### CPGIS BOD

2017-2018

#### CHAIR



Xinyue Ye

#### MEMBERS



Kai Cao



Gang Chen



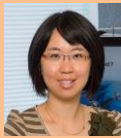
Jianya Gong



Yingjie Hu



Peng Jia



Wenwen Li



Xia Li



Zhenlong Li



Changshan Wu



Bo Yan



Xiang Ye



Yihong Yuan

[\(More details\)](#)

## 2018 CPGIS Annual Conference

June 28-30, 2018, Kunming, Yunnan, China

**Conference Theme: (Geoinformatics for better life)**

### Organizers

- International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)
- School of Information Science and Technology, Yunnan Normal University (Kunming, China)

### Co-Organizers

- School of Remote Sensing and Information Engineering, Wuhan University (Wuhan, China)
- Beijing PIESAT Information Technology Co., Ltd
- KQ GEO Technologies Co., Lt

### Conference Topics:

We welcome traditional topics in GIS Science and also encourage papers on new and emergent themes including but not limit to:

- Smart City
- Spatiotemporal Data Analysis
- Internet of Things for GIS
- Environment GIS and application
- Geospatial data sharing and interoperability
- VGI and Crowdsourcing
- Sensor network for GIS
- Big Data
- Urban GIS and application
- Geospatial cloud computing
- Multi-dimensional spatial data modeling
- Remote sensing sciences and applications

To address societal issues, such as climate change, precision medicine, urban mobility, crime analysis, migration, disaster, and environmental sustainability. These include, but not limited to, population, urban development, and environment. Papers from a wide range of disciplines related to Geographic Information Sciences are invited, including: Geography, Cognitive science, Computer science, Engineering, Information science, Social science, Urban Planning, among many others.

For more information about Conference, please click on the link below:

<https://cpgis.org/Conferences/ConferenceDefault.aspx?ID=74> and  
<http://gis.ynnu.edu.cn/cpgis/>



## 2018 Best Student Paper Competition

Dear CPGIS members,

The 26th International Conference on GeoInformatics (GeoInformatics 2018), co-organized by the CPGIS and Yunnan Normal University, will be held in Kunming, China (June 28–30, 2018). We invite you and/or your students to participate in the Student Paper Competition. The competition is a long-standing tradition of the CPGIS for promoting academic development of young scholars in geographic information science.

### Awards

The awards will include one First-Place Award (\$600), one Second-Place Award (\$300), and two Third-Place Awards (\$150 each). More awards would become available depending on budget. The awards will be presented at a public event of the GeoInformatics 2018.

### Requirements

As a tradition in the past, the flagship journal of CPGIS, *Annals of GIS* (published by Taylor & Francis, a world-leading academic publisher) will continue to hold the privilege to be the first to consider publishing the awarded papers. Your participation in the competition indicates that you agree to give *Annals of GIS* this privilege. All the awarded papers will go through the peer-review process of the journal. Note: *Annals of GIS* is NOT yet SCI-indexed and we are currently in the process of applying for the SCI-index status for the journal.

Different from other full papers submitted to the conference, papers submitted to the competition must strictly follow the formatting requirements of *Annals of GIS*. To be eligible for the competition, the first author of the paper must meet ALL of the following conditions:

- (1) The author is currently an enrolled graduate or undergraduate student, or graduated within a year by the time of submission;
- (2) The author is a current member of CPGIS (please check your membership status or follow the procedure of membership registration);
- (3) The author undertakes the majority of the research and the drafting of the manuscript;
- (4) The paper has not been published or is under consideration of publishing elsewhere;
- (5) The paper has not been submitted for applications to other awards;
- (6) The student will present the full paper at the conference upon accepted into the oral competition session.



The Student Paper Competition Committee will invite scholars in relevant fields to review all submissions. Selected papers will be invited for presentation at the oral competition session of the conference. The committee will make final decisions based on the quality of the paper and the presentation at the conference.

## **Submission**

To enroll in the student paper competition, please submit your FULL paper to [chenxiangpeter@gmail.com](mailto:chenxiangpeter@gmail.com)

## **Important Dates**

Full paper to the competition: April 1, 2018

Notice of acceptance for the oral competition: April 25, 2018

Early bird conference registration ends: April 30, 2018

Thanks for your interest. We look forward to your participation.

Best regards,

Xiang Chen  
Chair of CPGIS Student Paper Competition Committee

## Summary of CPGIS Election Report 2017

In accordance with the bylaws of CPGIS, the CPGIS Election Committee conducted an election for President of CPGIS, three positions on the BOD members, and one position on the Student BOD member. All 249 CPGIS members in good standing received a ballot via e-mail and all subscribers on the CPGIS listserv received a call for participation. Voting was officially opened on December 24, 2017 and tallied on January 1, 2018.

Thanks to all the candidates for offering their service to CPGIS and congratulations to all the newly elected!

### Newly elected CPGIS Officers and BOD:

#### **Elected to President of CPGIS (2018-2019)**

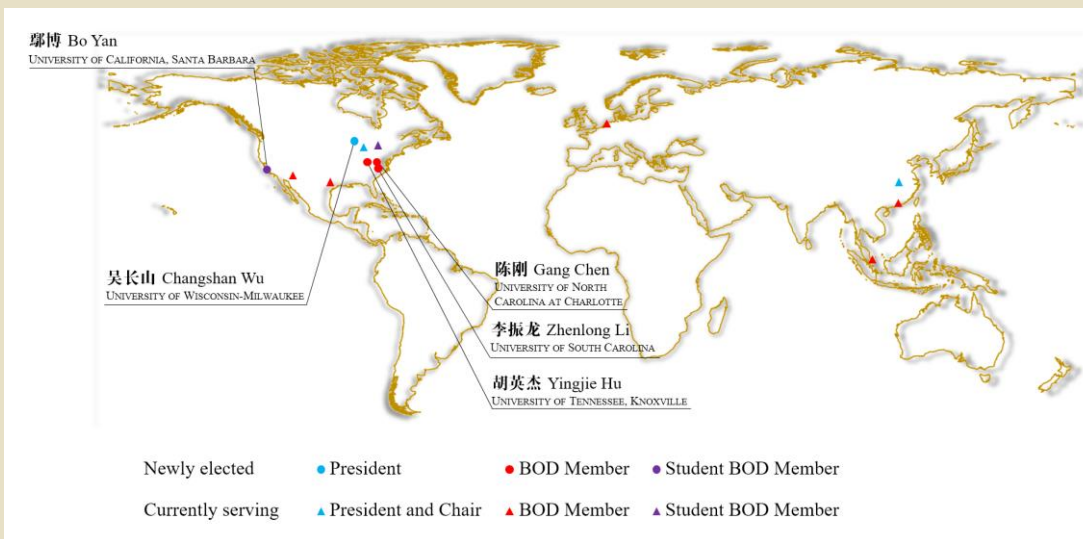
Wu, Changshan      University of Wisconsin-Milwaukee, US

#### **Elected to 2017-2019 CPGIS BOD members**

Chen, Gang      University of North Carolina at Charlotte, US  
Hu, Yingjie      University of Tennessee Knoxville, US  
Li, Zhenlong      University of South Carolina, US

#### **Elected to 2017-2019 CPGIS BOD student member**

Yan, Bo      University of California Santa Barbara, US



Thank you to all who participated in this election! Please click [here](#) for the report.

CPGIS Election Committee 2017  
Peng Jia, Xiang Ye, Kai Cao



## News

### **Professor Mei-Po Kwan receives the 2018 AAG Stanley Brunn Award for Creativity in Geography**

Mei-Po Kwan, Professor of Geography and Geographic Information Science at the University of Illinois at Urbana-Champaign, is one of the most creative and transformative geographers of our time. Her research has made groundbreaking theoretical contributions to health, mobility, urban, and transportation geographies as well as broadly to geographic information science (GIScience). Kwan's articulation of the uncertain geographic context problem highlights a fundamental methodological problem in all studies that examine the effects of area-based environmental variables on individual behaviors or outcomes. The problem is now widely recognized as a significant issue in social science, health, and environmental science, in addition to geographic and GIScience research.

Combining empirical research with original theory, Kwan has continuously developed and advanced paradigm-shifting ideas (e.g., feminist visualization, hybrid geographies, affective GIS, and algorithmic geographies) that profoundly challenge how geographers think about disciplinary dynamics, geographic method, and core tendentious binaries in the discipline (e.g., quantitative vs qualitative geography; GIScience vs social theory). Kwan's work on space-time accessibility fundamentally altered our understanding of the methods used to study access by underprivileged populations to urban facilities and opportunities. She also played a key role in the integration of GIS with qualitative methods and pioneered the development of a GIS-based approach to narrative analysis (i.e., geo-narrative) that has advanced qualitative methodologies in significant ways.

The AAG Stanley Brunn Award for Creativity in Geography is bestowed annually on an individual geographer or team that has demonstrated originality, creativity, and significant intellectual breakthroughs in geography. The award honors those who have a sustained, impressive and recognized record of creative and cutting-edge work, who have made significant contributions to new geographic methods or ways of thinking, or who have introduced new and meaningful ways of thinking about human/environment relations at local or global scales. Mei-Po Kwan is the sixth recipient of the award. Previous recipients of the Stanley Brunn Award are David Harvey (2017), Michael Goodchild (2016), Susan Hanson (2015), Robert B. Kates (2014), and Yi-Fu Tuan (2013)."

#### **Student Prize:**

Di Yang, a Ph.D. student in the University of Florida got awarded the NASA-MSU Professional Enhancement Award.

### Call for papers on ‘big data’ studies in the journal of Big Earth Data

Recently, the journal of Big Earth Data was formally inaugurated. This journal is an interdisciplinary, Open Access and peer-review academic journal. It is published by the International Society for Digital Earth (ISDE) jointly with the Institute of Remote Sensing and Digital Earth of Chinese Academy of Sciences, the Strategic Priority Research Program of Chinese Academy of Sciences, the Taylor & Francis Group and the Science Press. The Academician of Chinese Academy of Sciences, Prof. Huadong Guo is the Editor-in-Chief of the journal.

Aiming to provide an efficient and high-quality platform for promoting ‘big data’ sharing, processing and analyses, thereby revolutionizing the cognition of the Earth’s systems, the journal Big Earth Data was inaugurated. To showcase the benefits of data-driven research, submissions on the applications of ‘big Earth data’ in exploring the Earth’s history and its future evolution are highly encouraged. The journal publishes research topics on ‘big data’ studies across the entire spectrum of Earth sciences, including but not limited to Earth Observation, Geography, Geology, Atmospheric Science, Marine Science, Geophysics, Geochemistry and so on. It accepts original research articles, review articles, data papers, technical notes and letters. Along with research papers and data papers describing data sets, the journal also publishes paper-related data sets deposited in the public repositories.

CPGIS immediate past President Dr. Xinyue Ye and other Chinese scientists have joined the editorial board, and contributed papers to the inaugural issue of the Big Earth Data. The journal welcomes submissions from the researchers who are interested in studying and publishing works related to big Earth data.

[Please click here for more information](#)

### Special Issue on “Big Spatiotemporal Data Analytics” in International Journal of Geographical Information Science

Guest Editors

Chaowei Yang; Keith C. Clarke; Shashi Shekhar; Vincent Chuang Tao

[Please click here for more information](#)

### Special Issue on “GeoAI: Artificial Intelligence Techniques for Geographic Knowledge Discovery” in International Journal of Geographical Information Science

Guest Editors

Krzysztof Janowicz; Budhendra L. Bhaduri; Song Gao; Yingjie Hu; Grant McKenzie

[Please click here for more information](#)

### Special Issue on "Human Mobility, Spatiotemporal Context, and Environmental Health: Recent Advances in Approaches and Methods" in the International Journal of Environmental Research and Public Health

Guest Editor

Mei-Po Kwan

[Please click here for more information](#)

### Special Issue on “Real-time GIS for Smart Cities” in International Journal of Geographical Information Science

Guest Editors

Wenwen Li; Michael Batty; Michael F. Goodchild

[Please click here for more information](#)

### Special Issue on "Social Sensing and Big Data Computing for Disaster Management" in International Journal of Digital Earth

Guest Editors

Zhenlong Li; Qunying Huang; Christopher Emrich

[Please click here for more information](#)

### Special issue on “Big Data, Spatial Optimization and Planning” with Environment and Planning B: Urban Analytics and City Science

Guest Editors

Kai Cao; Wenwen Li; Richard Church

[Please click here for more information](#)



## *Future Events*

***ASPRS Annual Conference 2018***

Denver, USA

Conference Dates: February 5-7, 2018

***2018 AAG Annual Meeting***

New Orleans, USA

Conference Dates: April 10-14, 2018

***ISPRS Developments, Technologies and Applications  
in Remote Sensing 2018***

Beijing, China

Conference Dates: May 7-10, 2018

***AGILE 2018***

Lund, Sweden

Conference Dates: June 12-15, 2018

***Esri User Conference 2018***

San Diego, USA

Conference Dates: July 9-13, 2018

***GIScience 2018***

Melbourne, Australia

Conference Dates: August 28-31, 2018