CPGIS

The International Association of Chinese Professionals in Geographic Information Sciences

国际华人地理信息科学协会

President's Note

Thanks from Prof. Changshan Wu

Dear CPGIS members,

As the CPGIS President for the year 2018-2019, I would like to express my gratitude to all your supports to our association. My thanks also go to the immediate past presidents: Professor Jianya Gong, Professor Xinyue Ye, and Professor Shixiong Hu, as well as BOD members, for their supports and sacrifices. With the supports of all the members, CPGIS is becoming a leading organization of geographic information science in the international society.

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 on April 4, 2019
- the CPGIS Gohome activities at Tianjin Chengjian University and Fujian Normal University from June 8 to June 13, 2019
- the CPGIS Annual Conference on July 1-7 at Sydney, Australia
- Special issue organization and submission to "Annals of GIS" and "Remote Sensing"

I am proud of being a member of CPGIS and have been benefited from numerous CPGIS activities, domestically and internationally. CPGIS has effectively promoted the interchanges of GIS, both in academia and industry. Finally, I would urge your involvement and support as always and I fully believe that CPGIS will continue to succeed and play a much more important role in our society.

Professor Changshan Wu
President, CPGIS
Professor, Department of Geography
University of Wisconsin-Milwaukee

CPGIS BOD
2018-2019
CHAIR

Changshan Wu

MEMBERS

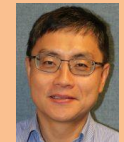Guofeng Cao   Yanjia Cao

Gang Chen   Min Chen

Qian Du   Qinghua Guo

Yingjie Hu   Zhenlong Li

Wei Tu   Yang Xu

Bo Yan

(More details)

Announcements

2019 CPGIS Annual Conference
July 1-3, 2019, Sydney Australia
Conference Theme: Remote Sensing and Big Social Data

Organizers
- International Association of Chinese Professionals in Geographic Information Sciences (CPGIS)
- University of New South Wales

Co-Organizers
- Beijing PIESAT Information Technology Co., Ltd (航天宏图)
- SuperMap Software Co., Ltd (超图）

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

- Big Data
- Crime Mapping
- Cross Domain Data Fusion
- Environment GIS and application
- GeoAI
- Geohumanities
- Geospatial cloud computing
- Geospatial data sharing and interoperability
- Multi-dimensional spatial data modeling
- Remote sensing sciences and applications
- Sensor network for GIS
- Smart City
- Spatial Social Science
- Spatiotemporal Data Analysis
- Urban Informatics
- Urban GIS and application
- VGI and Crowdsourcing

Presentations are encouraged to address issues such as climate change, precision medicine, urban mobility, crime analysis, migration, disaster, and environmental sustainability. 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, and among others.

Important dates:

- Abstract due: 01 March, 2019
- Early Bird registration ends on: 15 April, 2019
- Note: Delegates book their own hotel rooms.

- Abstract acceptance notice: 15 March, 2019
- Registration ends on: 01 May, 2019

Registration Fees:

	Early registration	Regular registration
CPGIS member	US$ 420	US$ 470
CPGIS student member	US$ 220	US$ 270
Non member	US$ 500	US$ 550
Non student member	US$ 320	US$ 370

The full registration fee covers:

1. Conference CD proceedings;
2. Coffee breaks and lunches;
3. Conference reception;
4. Conference gala dinner.

The student registration fee covers:

1. Conference CD proceedings;
2. Coffee breaks and lunches.

Registration Refund Policy:

If participants cannot attend the conference due to a rejected visa application or other uncontrollable causes, the registration fee is partially refundable, excluding the credit card processing fee.
If you are not able to attend due to personal reasons, the registration fee is not refundable.

Visa to enter Australia:

You need a visa to enter Australia. The best way is to arrange a tourist visa through your travel agency. If you need an invitation letter, use our formal acceptance letter.

If you need the invitation letter, please e-mail CPGIS2019@163.com the following: 1) your Date of Birth, 2) your Passport Number, 3) your detailed workplace address, and 4) the digital receipt showing that you have successfully paid for the registration fee.

Publications:

Submission and Acceptance:

Authors can choose to submit either an abstract or a poster. The acceptance of the abstract will be noticed after 15 days of the submission.

Students attending Best Student Paper Competition must submit a full-length paper. The submission procedure will be announced separately.

TYPE	First-Place	Second-Place	Two Third-Places
Best Student Paper Competition Award	$600	$300	$150 each

Special issues in peer-reviewed journals:

Selected papers in specific topics will also be published as conference special issues in two peer-reviewed journals: "Advancements of GIS in the New IT Era" at Annals of GIS and "Integrating Remote Sensing and Social Sensing" at Remote Sensing. Authors who are interested in submitting papers to the special issues are encouraged to contact two lead Guest Editors: Professor Changshan Wu (CPGIS President) at cswu@uwm.edu and Professor Xinyue Ye (Publication Committee Chair) at xye@njit.edu.

Field trips:

Field trips to explore the rich cultural and physical geography of Sydney, Australia will be arranged on July 4th to July 7th to expand your knowledge. Advance registration and a fee are required for field trips. Sign up early — these fill quickly.

Contact Information:

hq@cpgis.org

- Lihua Zhao

- David Tian (dtien@csu.edu.au)

For more information about Conference, please click on the link below:
https://www.cpgis.org/Conferences/ConferenceDefault.aspx?ID=75

2019 Best Student Paper Competition

Dear CPGIS members,

The 27th International Conference on GeoInformatics (GeoInformatics 2019), co-organized by the CPGIS and University of New Southwest Wales, will be held in Sydney, Australia (July 1–3, 2019). We invite you and/or your students to participate in the Best 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 2019.

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 go to https://www.cpgis.org/Membership/Default.aspx to 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:

(1) Submit your abstract to the CPGIS website at https://www.cpgis.org/Conferences/ConferenceDefault.aspx?ID=75. Please mark down "Student Paper Competition" in the Special Requests.
(2) At the same time, submit your full paper to Xiang Chen (chenxiangpeter@gmail.com).

Important Dates

Abstract to the website and full paper to the competition: March 1, 2019
Notice of acceptance for the oral competition session: April 1, 2019
Early bird conference registration ends: April 15, 2019

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 Results 2018

Dear CPGIS Members,

In accordance with the bylaws of CPGIS, the CPGIS Election Committee organized an annual election for President of CPGIS, five BOD positions, and one Student BOD position. Following the poll closing on December 15, 2018, we now present the newly elected board members (see below). Congratulations! We would like to thank all the candidates for offering their service to CPGIS.

President:

Qinghua Guo (Institute of Botany, Chinese Academy of Sciences)

BOD member:

Guofeng Cao (Texas Tech University)
Min Chen (Nanjing Normal University)
Qian Du (Mississippi State University)
Wei Tu (Georgia Southern University)
Yang Xu (Hong Kong Polytechnic University)

BOD student member:

Yanjia Cao (University of Maryland-College Park)

Thanks,

The 2018 CPGIS Election Committee:
Gang Chen (Chair), Yingjie Hu, and Zhenlong Li

Please click here for the complete report

News

US Geographer Mei-Po Kwan honored as Fellow of the UK Academy of Social Sciences

The UK Academy of Social Sciences announced today that it has conferred the award of Fellow on US geographer Mei-Po Kwan, among other leading social scientists.

Academy Fellows are drawn from academics, practitioners and policymakers across the social sciences. They have been recognized after an extensive peer review process for the excellence and impact of their work through the use of social science for public benefit. This includes substantial contributions and leadership in various fields, including higher education, social, economic and environmental policy, government, law, charitable foundations and think tanks.

Mei-Po Kwan, Professor of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, was the only US geographer to receive the award of Fellow by the Academy of Social Sciences this year. The Academy's citation accompanying her selection emphasized the impact of Professor Kwan's work, noting that she "has made significant contributions to theory, methods and practice in urban, GI science, mobility and health research."

About the Academy of Social Sciences

The Academy of Social Sciences is the national academy of academics, learned societies and practitioners in the social sciences. Its mission is to promote social science in the United Kingdom for the public benefit. The Academy is composed of 1313 individual Fellows, 44 Learned Societies, and a number of affiliates, together representing nearly 90,000 social scientists. Fellows are distinguished scholars and practitioners from academia and the public and private sectors. Most learned societies in the social sciences in the UK are represented within the Academy. The Academy also sponsors the Campaign for Social Science.

[Please click here for more information](#)

Jobs

Lecturer in GIS at Dartmouth College

The Department of Geography (www.dartmouth.edu/~geog) at Dartmouth College seeks a scholar/teacher to fill a Visiting Senior Lecturer position in GIS for the academic year 2019-2020.   This one-year position entails teaching four courses including two sections of introductory GIS and two courses dependent on the candidate's area of expertise.   Application review will begin April 15 and will continue until the appointment is filled. Please send letter of application, c.v., evidence of teaching excellence, sample course syllabi, and names/email addresses of three referees.

[Please click here for more information](#)

Teaching Assistant Professor in GIS at the University of Illinois at Urbana-Champaign

The Department of Geography and Geographic Information Science at the University of Illinois at Urbana-Champaign invites applications for a Teaching Assistant Professor in Geographic Information Science (GIS) and Geospatial Data Science. This is a 9-month (paid over 12 months), full-time academic appointment (non-tenure track) at the rank of Teaching Assistant Professor, with opportunities for summer salary through online course instruction. The University of Illinois is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply.

[Please click here for more information](#)

The Open Postdoctoral Positions at Wuhan University Jointly with Harvard University

Strong understanding of spatial statistics. Proficient with common GIS and remote sensing software packages. Experience with multispectral and hyperspectral image analysis technologies. Knowledgeable in geospatial analysis and ecosystem modeling practices.   Must have superior technical skills, attention to detail, and the ability to function as a contributing team member. Must have strong documentation and communication skills. Must be able to collaborate effectively with researchers across organizational structures and across knowledge domains.

[Please click here for more information](#)

Assistant Professor in Geography at the University of Connecticut

The successful candidate will be expected to establish and maintain a strong program of research and publication in GIScience and to develop a robust, externally funded research portfolio that advances the candidate's research as well as the mission of the Department of Geography. The successful candidate will teach undergraduate and graduate courses in GIScience and take an active role in bringing currency and creativity to the development of the curriculum. The successful candidate will also demonstrate an ability to mentor graduate and undergraduate students, to participate in outreach activities, and to contribute in meaningful ways to the diversity and intercultural goals of the University.

[Please click here for more information](#)

Assistant Professor Positions at University of Florida (Economic Geography; Environmental Change; Spatial Networks)

The Department of Geography at the University of Florida, College of Liberal Arts and Sciences, invite applications for three full-time, nine-month, tenure-accruing positions, at the level of Assistant Professor, all to begin August 2019. The department seeks outstanding candidates in the following areas:

• Human Geography, more specifically the areas of Economic or Political Geography, who will complement existing strengths in the department and across campus. Possible areas of focus include, but are not limited to, Globalization, International Trade and Monetary Flows, Governance, Immigration and Labor Markets, Politics of Place, Conflict, Economic Development, Global Production Networks and World Systems Theory.

• Environmental Change and/or Climate Change and/or Sustainability, whose expertise is interdisciplinary and will complement existing strengths in the department and across campus.

• Spatial Networks with expertise in Geographic Information Systems (GIS) and Geospatial Analysis, who will complement existing strengths in the department and across campus.

[Please click here for more information](#)

Call for papers

Special Issue on Big Data and Urban Planning in the Journal of cities

• Big data and new urban theories
• Big data and planning evaluation
• Big data and urban policy-making support
• Big data and urban analytics
• Big data and urban computing
• Big data and city modelling
• Big data and city system
• Big data and urban society analysis
• Big data and transport
• Big data and healthy city

Guest Editors
Anthony G.O. Yeh; Qingquan Li; Michael Batty; Xinyue Ye; Sarah Williams
Please click here for more information

Special Issue on Modelling and Analysing Platial Representations

• How can we move forward the integration of palatial information with GIS?
• How can we integrate and align GIScience notions of place with existing human-geographic and philosophical notions?
• How is it possible to establish and quantify relationships between adjacent places?
• What might be a suitable strategy for aggregating subjective platial information?
• What roles do uncertainty and fuzziness take in a platial theory of geoinformation?
• In which ways can places be visualised, and how can we do that at multiple scales?
• What can we learn about places from volunteered and ambient geographic information?
• How can platial analysis be integrated with applied research agendas from neighbouring disciplines like sociology, urban planning, or human geography?

Guest Editors
Rene Westerholt; Franz-Benjamin Mocnik; Alexis Comber; Clare Davies; Dirk Burghardt; Alexander Zipf
Please click here for more information

Special Issue on Computational Movement Analysis in the International Journal of Geographical Information Science

• Big mobility data analytics and predictive modeling
• Making movement analysis context-aware, considering the static and dynamic environment
• From individuals to collectives: Modeling and analyzing interactions between individuals
• Integrating different sensors and sensing models (checkpoint sensing vs. continuous GPS tracking)
• From analysis to modeling: Simulation of movement and mobility
• Visualization and visual analytics in support of movement analysis
• From patterns to processes: Bridging the semantic gap
• Inferring behaviors and motivations underpinning movement
• Geoprivacy issues and geomasking methods for mobility data

Guest Editors
Somayeh Dodge; Song Gao; Martin Tomko; Robert Weibel
Please click here for more information

Special issue on An Open GIScience Challenge in the International Journal of Geographical Information Science

This special issue aims to promote Open GIScience with reproducibility and transparency of scientific work. With increasing availability of geospatial portals and depositories, GIScience is ripe for sharing data and codes to improve the reliability and credibility of published scientific work. As a step forward, IJGIS calls for submissions to facilitate action toward Open GIScience.

Guest Editors
May Yuan; Robert Stewart; John Krumm; Dawn Wright; Bo Huang; Christian Kray
Please click here for more information

Special issue on Risk Analysis in the Digital Era in the journal of Risk Analysis

• Adversarial behavior analytics in homeland security
• Data-driven food safety analytics
• Aviation risk analytics with flight recorded data
• Risk analytics in humanitarian logistics
• Big data-driven optimization models
• Predictive analytics for risk assessment and risk management
• Disaster management with big data
• Blockchain risk analytics
• Social media and risk analysis
• Cyber security and risk analysis
• Artificial intelligence and risk analysis
• Machine learning and risk analysis
• Virtual reality and risk analysis
• Internet of things and risk analysis

Guest Editors
Jun Zhuang; Chen Wang
Please click here for more information

Special issue on Advances in Portable Sensing Methodologies for Urban Environments in the journal of Computers, Environment and Urban Systems

• Implementation of emerging portable sensing technologies for studying mobile human and non-human objects in urban environments
• The use of portable sensor information in urban analytics and modeling
• Smartphone sensing techniques for a better understanding of cities and their inhabitants
• The usage of portable sensing techniques to the study of urban mobility and transportation
• The use of ambulatory sensing technologies in health and exposure research in cities
• Portable sensors and urban citizen science
• The relation between portable sensors and notions of smart cities
• Real-time city management (e.g., of transportations, mega events, disasters)

Guest Editors
Amit Birenboim; Marco Helbich; Mei-Po Kwan
Please click here for more information

Special Issue on Spatial-Social Networks in GIScience in the International Journal of Geographical Information Science

• Accuracy, privacy, and uncertainty of SSN data
• Data sharing and dissemination in SSN research
• Digital divide and sampling issues in SSN research
• Dynamics of tie locations and tie strength on POI usage, land use and the built environment
• Information diffusion and disease spread through SSNs
• Kinship ties and small or extended family distributions
• Multi-scale spatiotemporal SSN analysis and modeling
• SSNs in developing nations and of isolated populations
• Professional ties and workplace/institutional relationships
• Social network configuration and ensemble rules under special situations (disasters, holidays, etc.)
• Spatial agent-based models of SSNs
• Uncovering SSNs that are hidden in different kinds of big and new data
• Visualization and computation of SSNsGuest

Guest Editors
Xinyue Ye; Clio Andris
Please click here for more information

Special Issue on Air Quality Monitoring, Assessment, & Forecasting in the Journal of GIScience & Remote Sensing

• Advanced retrievals of air quality parameters from satellite remote sensing data
• Monitoring and assessment of ground-level air quality parameters
• Regional and/or global patterns of air quality
• Impacts of air quality to human health and various ecosystems
• The synergistic use of satellite remote sensing and numerical/statistical models for monitoring and forecasting of air quality
• Use of satellite remote sensing for deriving air pollutant emission
• Air pollution transport analysis through integration of remote sensing, emission data, and numerical model outputs.

Guest Editors
Jhoon Kim; Yu Zhan
Please click here for more information

Future Events

2019 AAG Annual Meeting
Washington, USA
Conference Dates: April 3-7, 2019

ISPRS Geospatial Week 2019
Enschede, the Netherlands
Conference Dates: June 10-14, 2019

The 10th Forum on Spatially Integrated Humanities and Social Science
Wuhan, China
Conference Dates: July 9-11, 2019

Esri User Conference 2019
San Diego, USA
Conference Dates: July 8-12, 2019

International Symposium on Location-Based Big Data 2019 (LocBigData 2019)
Tokyo, Japan
Conference Dates: July 15, 2019

The International Conference on Geomatics in the Big Data Era
Guilin, China
Conference Dates: November 15-17, 2019