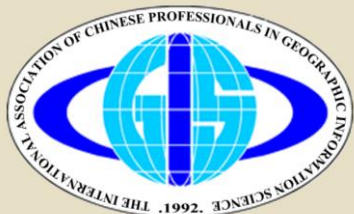


## 2018 CPGIS Annual Conference



The 26<sup>th</sup> International Conference on Geoinformatics was held successfully from June 28<sup>th</sup> to 30<sup>th</sup> in Kunming, Yunnan province, China. Organized by the International Association of Chinese Professionals in Geographic Information Sciences (CPGIS) and Yunnan Normal University, the theme of this conference was “Geoinformatics for better life”.

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The opening ceremony was held on June 29<sup>th</sup> at Yunnan Normal University. Prof. Yongwen Jiang, the President of Yunnan Normal University, delivered a speech on behalf of the organizers of the conference and expressed warm welcome and sincere greetings to the guests. Academician Prof. Jianya Gong from Wuhan University, the President of CPGIS, presented a speech on behalf of CPGIS, introduced the history of CPGIS and its annual conference, and expressed sincere gratitude to all the peers who have been contributing to the growth of CPGIS and the development of GIScience in both academia and industry in China in the past decades.

More than ten scholars supported by the Thousand Talents Plan Program, more than 30 researchers supported by the Yangtze River Scholar Program and the Distinguished Young Scholars Program, and more than 500 Chinese experts worldwide gathered in Kunming to discuss frontier issues in GIScience. The conference received more than 400 submissions, of which more than 160 full papers were submitted to IEEE for publication, and more than 100 papers were presented in poster.

The two-day conference focused on spatiotemporal data analysis, environment GIS and application, urban GIS and application, smart city, remote sensing sciences and applications, multi-dimensional spatial data modelling and Internet of Things for GIS. Eight keynote speeches, four panel discussions, and nine oral sessions were organized for those topics.



The closing ceremony was held on June 30<sup>th</sup>. Prof. Hong Li, the vice president of Yunnan Normal University, delivered a speech on behalf of the university. Nearly 300 guests attended the ceremony. Academician Prof. Jianya Gong concluded the conference and highly appreciated the efforts of the conference organizers. The President-elect Prof. Changshan Wu from the University of Wisconsin - Milwaukee highlighted that this conference was one of the best CPGIS annual conferences he had ever attended, setting a benchmark for the future CPGIS conferences. Finally, the CPGIS President Prof. Jianya Gong, Prof. Hong Li, Prof. Kun Yang, Prof. Changshan Wu, and Prof. Hui Lin presented the awards to the scholars and students who won the CPGIS Awards.

(Source: translated from [Http://www.ynnu.edu.cn/info/1099/19454.htm](http://www.ynnu.edu.cn/info/1099/19454.htm))



## *Announcements*

### **CPGIS 2018 Awards Announcement**

The CPGIS Award Committee is pleased to announce the following CPGIS Awards for this year:

**CPGIS Life-Time Achievement Award:**

Alexander Stewart Fotheringham, Professor of Computational Spatial Science School of Geographical Sciences and Urban Planning, Arizona State University.

**The CPGIS Service Excellence award:**

Mei-Po Kwan, Professor, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign.

**CPGIS Education Excellence Awards:**

Ming-Hsiang Tsou, Professor, Department of Geography, San Diego State University; and Le Wang, Professor, Department of Geography, University at Buffalo.

**CPGIS Distinguished Scholar Award:**

Shih-Lung Shaw, Professor, Department of Geography, University of Tennessee, Knoxville.

Congratulations to Drs. Fotheringham, Kwan, Tsou, Wang and Shaw!

The awards were presented during the 26<sup>th</sup> International Conference on Geoinformatics, June 28-30<sup>th</sup>, 2018, Kunming, Yunnan, China.

THANK YOU FOR YOUR EFFORTS TOWARDS RECOGNIZING OUTSTANDING MEMBERS OF OUR COMMUNITY!

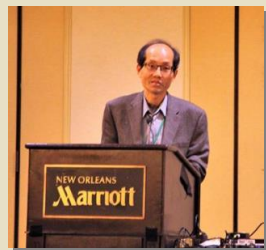
CPGIS Award Committee (Chuanrong Zhang, Yongmei Lu, Lan Mu, Tao Tang, Yuxia Huang)



## News

### 2018 CPGIS Business Meeting

The Business Meeting of CPGIS was held during the 2018 Annual Meeting of the American Association of Geographers, on April 11<sup>th</sup>, 2018. CPGIS President, Academician Prof. Jianya Gong delivered a speech at the beginning. Prof. Xun Shi, Prof. Shuming Bao, Prof. Changshan Wu and other committee members reported their work. The future directions of CPGIS were also discussed during this meeting.



### 2018 CPGIS Get-together Dinner



The CPGIS Get-together Dinner at AAG 2018 was grandly held at Fogo de Chão Brazilian Steakhouse on April 11<sup>th</sup>, 2018. Specifically, Mr. Douglas Richardson, the Executive Director of the American Association of Geographers (AAG) also participated in the event. Mr. Douglas Richardson spoke highly of the achievements CPGIS has made in the past years. Special thanks to the generous support from AAG, PIESAT, and SGIT!



## The 9<sup>th</sup> Symposium on the Spatial Humanities and Social Sciences



The 9<sup>th</sup> Symposium on the Spatial Humanities and Social Sciences took place in Shanghai from June 23<sup>rd</sup> to 25<sup>th</sup>, 2018. The conference was organized by the School of Geographic Sciences of East China Normal University, the Key Laboratory of Geographic Information Science of Ministry of Education, the Regional Science Association of China and CPGIS. Prof. Guoli Qin, Prof. Hui Lin, Academician Prof. Jianya Gong, and Prof. Tiyan Shen delivered speeches at the opening ceremony. More than 150 scholars and students participated in the conference. Topics include remote sensing sciences and applications, urban GIS and applications as well as the integration of block chain and spatial big data.

## The 5<sup>th</sup> Symposium on the Applications of GIS and Spatial Analysis in Public Health



More than 100 government officials, scholars and students gathered at the 5<sup>th</sup> Symposium on the Applications of GIS and Spatial Analysis in Public Health on July 17<sup>th</sup>-19<sup>th</sup> in East China Normal University. This conference was organized by the Health Geography Committee of the Geographical Society of China, Geographical Society of Shanghai and CPGIS. This symposium brought together leading Chinese academic scientists and researchers to exchange and share their experiences and research achievements on public health in geographic context. During the symposium, researchers and practitioners presented their findings on epidemiological studies with the support of spatial statistics, disease mapping with the support of modern GIS techniques, and big data analytics in public health.

## Jobs

### Three New Faculty Positions at the University of Central Florida

The University Of Central Florida Department Of Sociology is experiencing a rapid period of growth. We are hiring 3 new faculty lines this year: two at the assistant professor level in criminology or medical/health and an open rank position in one of our core research areas (i.e., criminology and deviance, domestic violence, medical sociology, and social inequalities). In addition to it being a great department, we also have a Geospatial Technologies Cluster through our College of Sciences.

We're one of the nation's largest universities with 67,500 students, located in Orlando, Florida about 45 minutes from the Atlantic coast beaches. It's a great place to work.

The three job ads are attached. For questions about the positions, please contact the department chair, Dr. Libby Mustaine at [libbv@ucf.edu](mailto:libbv@ucf.edu).

### Postdoc Positions at UIUC's CyberGIS Center

**Responsibilities:** The successful candidate will play key roles in research and education activities of multiple projects related to geographic information science (GIS), big data science, cyberGIS, data-intensive geospatial applications, and geospatial artificial intelligence. Specific responsibilities include: preparing peer-reviewed publications and education materials, participating in grant proposal writing, giving presentations at professional meetings, and providing consulting assistance for researchers and educators from various domains to conduct advanced digital and spatial studies. More information about CyberGIS Center can be found at: <http://cybergis.illinois.edu/>.

**Qualifications:** Applicants should have received a recent Ph.D. in GIS, computer science, geography, or a related field. Research experience in the areas of big data analytics, cyberGIS, and machine learning is desirable. Candidates will be considered if graduation with Ph.D. is expected by the target start date. The appointment will initially last for one year and may be renewed beyond that contingent upon availability of funding and performance. Salary is competitive and commensurate with experience and relevant research.

**Application Process:** To ensure full consideration, qualified candidates must send a cover letter, CV, and contact information of three references via e-mail to Dr. Shaowen Wang. All requested information must be submitted for your application to be considered. Incomplete information will not be reviewed. Applications may be reviewed prior to the closing date while the search may continue until the position will be filled.

For further information please contact: Dr. Shaowen Wang: [shaowen@illinois.edu](mailto:shaowen@illinois.edu).

### Assistant Professor in Geography, Planning and Recreation at Northern Arizona University

Primary responsibilities of the position are to teach and conduct research on geographic and community factors, especially those related to recreation or leisure activities that affect human health and well-being, including disparities related to economic and social inequalities. The position would be research focused and would support the Interdisciplinary Health PhD program in the College of Social and Behavioral Science. We seek a scholar who employs digital geographies to understand and advance community and public health and well-being. The position would have teaching commitments in both the Parks and Recreation Management (PRM) and Geographic Science and Community Planning (GSP) programs.

[Please click here for more information](#)

### Five Positions at UNC Chapel Hill

The Ecology, Environment and Energy Program (E3P) at the University of North Carolina at Chapel Hill is hiring five Assistant/Associate Professors. Please see the job ad below. Welcome anyone who is interested to apply and/or forward it to interested parties.

The College of Arts and Sciences at The University of North Carolina at Chapel Hill is recruiting five outstanding tenure track faculty at the assistant or associate professor rank to expand interdisciplinary programming in the environment. This recruitment strategy will bring innovative approaches to interdisciplinary research and education. Building on Carolina's existing strengths in the natural and social sciences, this cluster will propel the University of North Carolina at Chapel Hill to become a leader in global environmental research. We are searching for highly talented faculty whose research and teaching will make transformative contributions to environmental sciences and to the development of Carolina's new Environment, Ecology, and Energy Program (E3P). Scholars from the social and natural sciences are encouraged to apply; faculty will hold a tenure-track appointment in an appropriate academic department, with teaching and service shared across E3P and the department. Successful candidates will address critical issues in the environment, particularly in energy and/or water sectors. We envision the cluster will work at the intersections of academic units to build dynamic and exciting programming. We seek scholars in the natural/physical and social sciences.

For further details contact Jaye Cable at [jecable@email.unc.edu](mailto:jecable@email.unc.edu).



### GIS Jobs at the University of Utah

We are seeking a Geographic Information Scientist with expertise in one or more of the following research areas: cyber GIS, geovisualization, big data, knowledge discovery, artificial intelligence, machine learning, software/application development, and/or spatial modeling and analysis. Other computational GISc-based research areas may be acceptable. Successful candidates would be able to teach advanced courses in GIS, WebGIS, cartography/geovisualization, GIS programming, big data/cloud computing, and other courses in their specialization area.

The University of Utah offers unparalleled opportunities for interdisciplinary collaborative research. The university is home to the Scientific Computing and Imaging Institute (SCI), the Center for High Performance Computing (CHPC), the Global Change and Sustainability Center (GCSC), and a new “iNterdisciplinary EXchange for Utah Science” (NEXUS) research center housed within our new building.

Questions about the position can be directed to Dr. Rich Medina ([richard.medina@geog.utah.edu](mailto:richard.medina@geog.utah.edu)).

### Assistant Professor in Regional Planning at the University of Massachusetts Amherst

We seek scholars who are using new sources of information and innovative analytical methods to answer questions in the areas of land use and/or economic development planning. Candidates with a specialization in data analytics, land use modeling, geographic information systems (GIS), transportation and economic development are especially encouraged to apply. Teaching responsibilities will consist of both graduate and undergraduate classes, with potential courses including: quantitative methods in planning, spatial modeling/GIS, economic development, planning studio, regional or international planning, and a research seminar. Candidates are expected to develop an independent research program with external funding and have the opportunity to build departmental and inter-departmental interdisciplinary collaboration with departmental centers and other campus-wide initiatives, such as the School of Public Policy and Institute for Social Science Research (ISSR).

[Please click here for more information](#)

### Faculty Recruitment at Northeastern University (Shenyang, China)

Northeastern University (东北大学), located at Shenyang, China, is recruiting faculty at all levels internationally. Competitive start-up funds, salary and resources are provided to support and promote your research. Please see detailed ads at: [http://www.sohu.com/a/249091280\\_407270](http://www.sohu.com/a/249091280_407270).

More information about the Department of Surveying and Mapping which is the home for remote sensing and GIScience researchers can be found here: <http://www.zitu.neu.edu.cn/zitu/>.

For any additional information or applications, please contact department chair Prof. Shanjun Liu ([tinsjdr@126.com](mailto:tinsjdr@126.com)).

### Assistant Professor Positions at the University of Tennessee

The Department of Geography at the University of Tennessee, Knoxville seeks outstanding scholars to fill one tenure-track position at the Assistant Professor level Geographic Information Science (GIScience) with an expected start date of August 1, 2019. We are seeking applicants who specialize in geospatial data science with a focus (or foci) on analytics & modeling (e.g., advanced spatial analysis, space-time analytics, data mining, spatial interaction, spatial modeling, etc.), and/or programming & development (e.g., algorithm design, application development, platform specific programming, advanced computing, etc.). We particularly welcome candidates who are able to complement and enhance departmental strengths in climate change, human-environment interaction, natural hazards, geospatial data science, social justice, and urban studies. Applicants must have a doctoral degree in Geography or a related field at the time of appointment.

[Please click here for more information](#)

### Assistant Professor, Geospatial Information Science at the University of Maryland College Park

The Department of Geographical Sciences at the University of Maryland (College Park) invites applications for a tenure-track faculty position at the rank of Assistant Professor in the area of Geospatial Information Science. This position is part of the Center for Geospatial Information Science (CGIS) (see [www.geospatial.umd.edu](http://www.geospatial.umd.edu) for more information). The tenure home for this position is in Geographical Sciences and the expected start.

We are seeking an outstanding candidate who will expand the breadth in our research and teaching and enhance our national and international reputation in Geospatial Information Science. Candidates are expected to have a demonstrated commitment to teaching and mentorship at both the undergraduate and graduate levels, including working with students and groups from under-represented backgrounds. Successful candidates are expected to conduct research at the leading edge of GIScience, and be able to work in interdisciplinary teams that address significant real-world problems. We especially encourage applications from candidates with a background in geospatial simulation (e.g., virtual and augmented reality, agent-based modeling), data mining and machine learning for spatiotemporal data, big geospatial computing, and geospatial approaches to cybersecurity, among other areas. Possible applied GIS research areas include: urban modeling and simulation, smart cities, environmental analysis, natural hazards, and geospatial intelligence and security among other topics associated with the application of GIScience to societal and environmental issues from local to global scales.

For best consideration applications should be submitted no later than November 15, 2018 but the search will continue until a suitable candidate is appointed. Further information on this position and on academic and research programs of the Department and CGIS can be found at <http://www.geog.umd.edu>. Questions regarding this position can be directed to Search Chair, Professor Kathleen Stewart, [stewartk@umd.edu](mailto:stewartk@umd.edu).

# Call for papers

## 11<sup>th</sup> International Symposium on Digital Earth (ISDE11)

Theme: Digital Earth in a Transformed Society

We are pleased to invite you to join the **11th International Symposium on Digital Earth (ISDE11)**, to be held on **24 - 27 September 2019** at the **Palazzo dei Congressi in Florence, Italy**. This is a special event for ISDE, since the **Society celebrate the 20<sup>th</sup> Anniversary of the Symposia Series**. We will have **technical paper sessions, invited talks, joint sessions with Sister Organizations, an Exhibition, and panels** organized around this important theme.

### CALL FOR ABSTRACTS

**Submission Deadline: January 31<sup>st</sup>, 2019**

The Symposium will be a great opportunity to attract the European scientific and industrial communities working on Digital Earth technologies and applications, potentially increasing their involvement in the Digital Earth vision elaboration and realization.

**Topics for submission include, but are not limited to:**

- International programmes, initiatives, and treaties -e.g. UN SDGs, Sendai Framework for Disaster Risk Reduction, COP21, DBAR Initiative, etc.
- Narrow Artificial Intelligence
- Citizen Science
- Digital Economy and Data Economy
- From Data to Knowledge
- Mathematical models for Digital Earth
- Digital Transformation of the Society
- Space 4.0
- Big Earth Data challenges and opportunities
- New generation of HPC for Digital Earth
- Digital Observation of the Environment
- Open Data and Open Sciences

### CALL FOR SPECIAL SESSIONS

**Submission Deadline: SEPTEMBER 30<sup>th</sup>, 2019**

You take an active part in organizing the scientific programme of the 11th International Symposium on Digital Earth (ISDE 11) by suggesting special sessions on selected topics until Sept. 15<sup>th</sup>, 2018. A Special Session should focus on a specific topic of interest but not limited to the general interdisciplinary themes identified by the ISDE11 SPC and below listed:

- Symposium session - dealing with ISDE Community.
- Great Debate session - dealing with the present and future challenges for the Digital Earth community.
- Narrow Artificial Intelligence
- Citizen Science
- Digital Economy and Data Economy
- From Data to Knowledge
- Mathematical models for Digital Earth
- Digital Transformation of the Society
- International programmes, initiatives, and treaties -e.g. UN SDGs, Sendai Framework for Disaster Risk Reduction, COP21, DBAR Initiative, etc.
- Space 4.0
- Big Earth Data challenges and opportunities
- New generation of HPC for Digital Earth
- Digital Observation of the Environment
- Open Data and Open Sciences

### CALL FOR SPONSORS AND EXHIBITORS

The ISDE 11 Symposium offers an outstanding opportunity for exhibitors and sponsors to maximize their visibility within a very large scientific and industrial community working on Digital Earth technologies and applications, potentially increasing their involvement in the Digital Earth vision elaboration and realization.

#### ORGANIZERS

##### HUADONG GUO

President of the International Society for Digital Earth  
Paolo Mazzetti(CNR-IIA) [paolo.mazzetti@cnr.it](mailto:paolo.mazzetti@cnr.it)

##### STEFANO NATIVI

Chair of the Scientific Program Committee (SPC)  
Maria A.Liberti(CNR-IIA) [Maria.liberti@cnr.it](mailto:Maria.liberti@cnr.it)

[Please click here for more information](#)

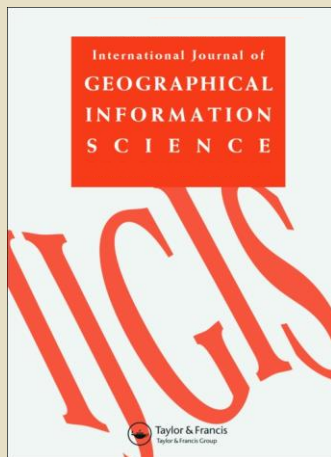


## An Open GIScience Challenge

### Special Issue of International Journal of Geographical Information Science (IJGIS) Open Call for Submissions

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. In addition to double-blinded peer-review publications, the guest editors in consultation with IJGIS editorial team will select the best paper(s) from the issue, with a prize pot of US\$ 1,000, a certificate, and six months' free access on the IJGIS website. All accepted manuscripts may post the un-typeset versions on their websites upon acceptance. Authors can also opt for open access publications in the journal.

To provide a common baseline with an international scope, the Geographic Information Science and Technology Group at the US Oak Ridge National Laboratory kindly makes available a high-quality spatiotemporal database from the World Spatiotemporal Analytics and Mapping Project (World STAMP) for the Open GIScience Challenge. The database includes over 16,000 attributes, 50 years of time, and 200+ nation states. All submissions to the special issue must utilize some data from World STAMP which has harmonized, consolidated and created searchable crosswalks over several open data sources. World STAMP can be freely accessed at [wstamp.ornl.gov](http://wstamp.ornl.gov). Authors will first request a World STAMP account using the term "An Open GIScience Challenge" as the reason for access. After logging in, a quick start guide is available at (<https://wstamp.ornl.gov/documentation/WSTAMPQuickReference.pdf-view>) which explains how to access data, analytics, and how to cite sources properly. Authors are welcome to include additional open data sources along with the selected World STAMP data. Examples of other open data sources include data from government agencies, non-profit organizations, commercial open data depositories, and research communities. We welcome submissions that develop novel algorithms, uncover interesting patterns, identify outliers, or model relationships or trends. All submissions must clearly describe the open data sources used in the research and submit codes as supplemental files. Once accepted for publications, we expect that authors agree to make codes available in Github, the Open Science Center, or public accessible cloud storage (e.g., box, dropbox, google drive, Amazon drive, onedrive, etc.).



#### Important Dates

Optional Abstracts (no more than 250 words) Due: 5 January 2019.

The guest editors will provide feedbacks whether the research falls in the scope of the special issue.

Full manuscripts Due: 31 July 2019

#### Special Issue Guest Editors:

May Yuan, University of Texas at Dallas  
([myuan@utdallas.edu](mailto:myuan@utdallas.edu))

Robert Stewart, US Oakridge National Laboratory  
([stewartrn@ornl.gov](mailto:stewartrn@ornl.gov))

John Krumm, Microsoft Research  
([jckrumm@microsoft.com](mailto:jckrumm@microsoft.com))

Dawn Wright, Esri  
([DWright@esri.com](mailto:DWright@esri.com))

Bo Huang, The Chinese University of Hong Kong  
([bohuang@cuhk.edu.hk](mailto:bohuang@cuhk.edu.hk))

Christian Kray, University of Muenster ([c.kray@uni-muenster.de](mailto:c.kray@uni-muenster.de))



## *Future Events*

***The 2018 International Workshop on AI for Geographic Knowledge Discovery***

Seattle, USA

Conference Dates: November 6, 2018

***65th NARSC Conference***

San Antonio, USA

Conference Dates: November 7-10, 2018

***ASPRS Annual Conference and International Lidar Mapping Forum 2019***

Denver, USA

Conference Dates: January 28-30, 2019

***2019 AAG Annual Meeting***

Washington, USA

Conference Dates: April 3-7, 2019

***GEO Business 2019***

London, UK

Conference Dates: May 21-22, 2019

***ISPRS Geospatial Week 2019***

Enschede, the Netherlands

Conference Dates: June 10-14, 2019

***Esri User Conference 2019***

San Diego, USA

Conference Dates: July 8-12, 2019