



## The 6<sup>th</sup> International Conference on Earth Observation for Environmental Changes (EOGC) and 8<sup>th</sup> Geo-information Technologies for Natural Disaster Management (GiT4NDM)

“Theme:

*Earth observation and geospatial data sharing for sustainable development*

**June 24-26, 2019**

**Southwest Jiaotong University  
(SWJTU) Chengdu, China**

**<http://eoc2019.csp.escience.cn>**



### AIMS AND SCOPE OF EOEC&GiT4NDM 2019

The 6<sup>th</sup> International Conference on Earth Observation for Environmental Changes (EOEC 2019) and the 8<sup>th</sup> International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2019) are designed to advance the research and development as well as encouraging innovative applications of Geomatics technologies in environmental change studies, and to specifically address the international aspects of the coupled social, land and climate systems in environmental change studies using advanced geospatial tools, spatiotemporal models, and earth observation systems. The conference offers an interdisciplinary forum in the fields of remote sensing, surveying and mapping, geodesy and geosciences, geography, marine science, forestry, renewable energy, environment, transportation, natural hazards, disaster management, and climate change science. The conference will provide a forum to present ongoing research and ideas related to earth observations and global change, natural hazards and disaster management studies with respect to geospatial information technology, remote sensing, and global navigation satellite systems. The conference will hold pre-conference workshops, keynote, panel discussions and technical sessions. Authors are invited to submit an abstract and if accepted, to submit a full paper via the conference website. This event will be jointly organized with Southwest Jiaotong University (SWJTU), Chengdu, China.

### TOPICS

- Machine Learning and Artificial Intelligence for geospatial world and smart environment & city.
- Point cloud processing, BIM and smart 3D visualization.
- Implementation of Geospatial information management for SDGs 2030.
- Mobile mapping for transportation emergency response.
- New geospatial technologies in early warning, forecasting and monitoring of natural hazard chains and data sharing.
- Public participation of using GIS for disaster preparedness and planning.
- Integration of Remote Sensing and GIS for predicting, monitoring and responding to hydro-meteorological extremes.
- Spatiotemporal modeling of global landscape dynamics
- Quality assurance for environmental change databases.
- New earth observation systems for natural hazard monitoring.
- UAV systems for hazard mapping and damage assessment.

### IMPORTANT DATES

- Last date for abstract submission : 1 March 2019
- Last date full paper submission: 1 April 2019
- Notification of Acceptance: 10 April 2019
- Last date for registration: 1 May 2019

Abstracts and full papers should be submitted online at <http://eoc2019.csp.escience.cn/dct/page/1>. You are also requested to complete your registration online at the event website. All accepted papers will be published in softcopy proceedings. Selected papers will be peer reviewed and published with IEEE & “SCI and ISI journals and a book”.



### HISTORY OF EOEC-GiT4NDM

The First GiT4NDM was held on May 8-9, 2007 in Esfahan, Iran. In this event, more than 600 delegates attended. The Second GiT4NDM was held in Bangkok, Thailand on January 30-31, 2009 with more than 250 people in attendance. The Third GiT4NDM was held in Chiang Mai, Thailand, on October 19-20, 2010, which attracted more than 270 people around the world. The 4th GiT4NDM was held in Colombo, Sri Lanka on November 7-8, 2012. The 5th GiT4NDM will be held for the first time in North America jointly sponsored by the ISPRS, ICA, IAG, FIG and AGeolCT. The 6th GiT4NDM was conducted in Canada and later in 2015 the 5th EOEC joined with 7th GiT4NDM and organized a joint event in the UAE University in 2015 with more than 500 participants. EOEC began in 2009 and had conducted in China, Spain, Canada, and UAE.

### SECRETARIAT OFFICE

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Organized by:



Professionals and practitioners in the public and private sectors including academicians, surveyors, hydrographers, engineers, researchers, scientists, planners, policy makers, utility data providers, analyst working in industries, universities and research organizations who have common interest of earth observation systems for environmental change studies and engaging geo-information and communication technologies in meeting their operational and business goals.

The exhibition will provide a showcase for the state-of-the-art earth observation systems, transportation, GNSS, geo-information and communication technologies products and services. Booths would be set up to display all facets of current and future innovations and advances of geo-information and communication technologies. Interested sectors of the geospatial data providers and economy should seize the opportunity to showcasing their products and solutions.

The conference will be held at the Southwest Jiaotong University, Chengdu, China. It is located in west of Chengdu, the heart of Chengdu, with just 25 minutes drive from the International Airport.

For more information about location please visit <http://gsee.swjtu.edu.cn/EN/> and <http://eoec2019.csp.escience.cn/dct/page/1>, and [www.widm.ca](http://www.widm.ca)



Papers are invited on the wide range of topics as outlined. Presenters should submit an abstract of not more than 350 words in length with a maximum of five keywords, which includes the following items:

- Title of the paper
- Author's name (s) and affiliation
- Email contact address
- Keywords and the abstract content.
- The contents of the abstract should clearly state the objectives, methodology, results and conclusions of the work described in the paper. Final acceptance will be issued based on the compressed full length paper. All selected papers will be published with IEEE, an SCI-ISI Indexed Journal and or a Book with Springer.

Registration fee per person for two-day conference is as follows:

	Early 1 May	After 1 May
Full Participant	US\$400	US\$ 500
Students & Seniors	US\$250	US\$350
Workshop	US\$250	US\$300

Registration fee will include admission to all sessions and exhibition, refreshments, a copy of conference proceedings and social events (if any). Cancellations will not be refunded but substitutions of participants are welcome.

Participants may contact Mrs. Guan Fang for accommodation: Faculty of Geosciences and Environmental Engineering, Southwest Jiaotong University (SWJTU).  
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**FOR REGISTRATION AND GENERAL ENQUIRY**

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Please visit <http://eoec2019.csp.escience.cn> and submit your abstract. When you receive an acceptance letter of your abstract please submit your full paper online accordingly.

## 8<sup>th</sup> GiT4NDM & 6<sup>th</sup> EOEC CONFERENCE CHAIRS & CO-CHAIR

Guoxiang Liu, SWJTU, China

Jonathan Li, UW, Canada

Saied (Adam) Pirasteh, WIDM ,Canada



## EXHIBITION AND BOOTH ENQUIRY

Exhibition Coordinator: Mrs. Lancy Huang at

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## SPONSORSHIP

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