First Announcement

Joint Event

The 6th International Conference-Workshop on Earth Observation for Environmental Changes (EOEC) and 8th Geo-information Technologies for Natural Disaster Management (GiT4NDM)

Southwest Jiaotong University (Faculty of Geosciences and Environmental Engineering)

Chengdu, China June 24-26, 2019

The 6th International Conference on Earth Observation for Environmental Changes (EOEC 2019) and the 8th International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2019) aim to advance research and development, as well as encourage innovative applications of Geomatics technologies in environmental change studies, geospatial information management toward implementation of sustainable development goals and 2030 smart environment and cities using artificial intelligence and deep learning; and to address the international co-operation 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.

Joint EOGC-GiT4NDM 2019 Conference & Workshop will be held at the Southwest Jiaotong University (SWJTU) in Chengdu, China June 24-26, 2019. The event is jointly organized by the Faculty of Geosciences and Environmental Engineering at the SWJTU, and WIDM Canada, Xiamen University as well as collaborator knowledge partners such as University of Waterloo, Canada, and The North Carolina University, US. The conference will provide a forum to present ongoing research and ideas related to earth observations and environmental change, natural hazards and disaster management studies with respect to geospatial information technology, remote sensing, and global navigation satellite systems. The conference will host pre-conference workshops, keynotes, panel discussions and technical sessions. Authors are invited to submit their abstracts and if accepted, to submit a full paper via the conference website.

Selected Papers: Publication will be submitted to IEEE Xplore. Also, selected papers will be submitted to an ISI or SCI indexed journal.

Pre-Conference Workshop: Web & Cloud-based of smart geoanalytical for pre-earthquakes preparation and safety emergency management: 3D reconstruction computer vision applications and beyond.

Registration and Paper Submissions: Visit http://eoec2019.csp.escience.cn/dct/page/70008 or contact Saeid (Adam) Pirasteh at s2pirast@uwaterloo.ca

Local Organizers: visit www.widm or contact Guoxiang Liu at rsgxliu@swjtu.edu.cn or Fang Guan at guanfang@swjtu.edu.cn

Contact Organizers: Jonathan Li at junli@uwaterloo.ca and Saeid (Adam) Pirasteh at s2pirast@uwaterloo.ca
More Information: http://eoec2019.csp.escience.cn
contact s2pirast@uwaterloo.ca
Exhibition Booth Reservation: contact Fang Guan at guanfang@swjtu.edu.cn
Conference Organizers and Sponsors

Theme:
Earth observation and geospatial data sharing for sustainable development

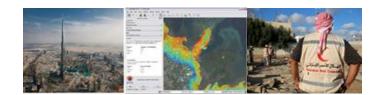**Topics for EOEC-GiT4NDM 2019**
- Machine Learning and Artificial Intelligence for geospatial world and smart environment & city.
- Point cloud processing, BIM and smart 3D visualization.
- Implementation of Geospatial information management for SDGs 2030.
- Earth Observation Satellite Missions for Environmental Change Studies.
- Monitoring, modeling for land use and land cover.
- Global geodetic observing systems for environmental change studies.
- Global lands cover and change information services and systems.
- Remote Sensing of changes in snow and ice, frozen ground, ice sheets and glaciers and arctic seawater ice.
- Climate-induced hazards mapping and vulnerability assessment
- Modeling and analysis of impacts from sea level rise.
- 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.
- Laser scanning for indoor mapping and evacuation simulations.
- Web-based multidimensional GIS for disaster risk management and web-mobile applications development.
- Multi-sensor integration for monitoring marine disasters.
- Monitoring and managing meteorological and geological disasters
- Wireless sensor networks for agricultural and ecological disasters.
- 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.
- Foggy weather/heavy rain, impact on quality of life (e.g., car accidents).
- Red tide, impact on marine life and policy management.
- Sand twisters and rigorous winds.

Important Dates: Submission of Abstracts: 1 March 2019
Full papers submission: 1 April 2019
Notification of Acceptance: 10 April 2019

Registration:	Before 1 May 2019	After 1 May 2019
Full Participants	US$400	US$500
Students and Seniors	US$250	US$350
Pre-conference Workshop	US$250	US$300

AGeoICT members: *All AGeoICT members will have 30% waived off. The workshop for the AGeoICT members is free.* **The registration is for the two conferences**. At least one author must be registered for the conference in order to be included in the conference program and the proceedings. Registration fees include registration, proceedings, coffee breaks, exhibitor's reception, and lunches.