

# First Announcement

## Joint Event

### The 5<sup>th</sup> International Conference on Earth Observation for Global Changes (EOGC) and the 7<sup>th</sup> Geo-information Technologies for Natural Disaster Management (GiT4NDM)

United Arab Emirates University (CHSS, Geography and Urban Planning Department)

Al-Ain, United Arab Emirates, 8-10 December 2015

<http://conferences.uaeu.ac.ae/eogc-git4ndm/en/>

The 5th International Conference on Earth Observation for Global Changes (EOGC 2015) and the 7th International Conference on Geo-information Technologies for Natural Disaster Management (GiT4NDM 2015) aim to advance research and development, as well as encourage innovative applications of Geomatics technologies in global change studies, and address the international aspects of social, land, and climate systems in global 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 2015 Conference** will be held at the United Arab Emirates University (UAEU) in Al-Ain, United Arab Emirates, 8-10 Dec. 2015. The Conference is jointly organized by the College of Humanities and Social Sciences, Geography and Urban Planning Department, UAE University, and WIDM Canada. 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 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:** All full papers will be published in the conference proceedings. Selected papers will be peer-reviewed and published with SCI and ISI indexing journals.

Abstracts and papers in English and Arabic languages are accepted.

**Pre-Conference Workshop:** Open Source Hands-on GIS workshop for Disaster Management using QGIS and GRASS will be delivered by Prof. Scott Madry from the USA.

**Registration and Paper Submissions:** check the conference website at <http://conferences.uaeu.ac.ae/eogc-git4ndm/en/>

**Local Organizers:** Contact Dr. Khaula Alkaabi at: [Khaula.alkaabi@uaeu.ac.ae](mailto:Khaula.alkaabi@uaeu.ac.ae) or Dr. Mohammed Yagoub at: [Myagoub@uaeu.ac.ae](mailto:Myagoub@uaeu.ac.ae)

**More Information:** Contact Prof. Saied Pirasteh at: [s2pirast@uwaterloo.ca](mailto:s2pirast@uwaterloo.ca)

**Contact Organizer:** Prof. Jonathan Li at [junli@uwaterloo.ca](mailto:junli@uwaterloo.ca)

**Exhibition Booth Reservation:** Contact Dr. Abdelgadir Abuelgasim at: [a.abuelgasim@uaeu.ac.ae](mailto:a.abuelgasim@uaeu.ac.ae)

**Conference Organizers and Sponsors:**



#### Theme:

*Nature of the Earth and Spatial Sustainability Development*

#### Topics for EOGC-GiT4NDM 2015

- Earth Observation Satellite Missions for Global Change Studies.
- Monitoring and modeling land use and land cover changes.
- Global geodetic observing systems for global change studies.
- Global land 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 of 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 global 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.
- 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.
- 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: 30 September 2015  
Notification of acceptance: 15 October 2015  
Full papers submission: 30 October 2015

Registration:	Before 1 October 2015	After 1 October 2015
Full Participants	US\$400	US\$500
Students and Seniors	US\$250	US\$350
Local Participants	AED 1,100	AED 1,300
Pre-Conference Workshop on Quantum GIS	US\$250 (AED920)	US\$300 (AED1103)

**AGeoICT members:** All AGeoICT members will have 30% waived off. The workshop for AGeoICT members is free of charge.

**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.

