

# First CALL FOR PAPER

## 13<sup>th</sup> International Conference on Geoinformatics



### GEOINFORMATICS'2005

Toronto, Canada, August 17 - 19, 2005

#### Conference Theme: Coping Disasters across Continents

The 13th International Conference on Geoinformatics will take place in Toronto, Canada on August 17 - 19, 2005. It is the thirteenth of a series of international conferences that began in 1993 with the aim of providing a unique gathering place and open forum for geospatial professionals and practitioners from all disciplines to exchange experience and knowledge on Geoinformatics. The conference theme, "*Coping Disasters across Continents*", encourages divisive topics related to developing geospatial data solutions and technologies to facilitate various decision-making processes and geospatially enabled operations prior to, during and post natural and human disasters on local, national or global scales. Jointly organized by the International Association of Chinese Professionals in Geographical Information Science (CPGIS) and the International Association of Chinese Professionals in Globe Positioning Systems (CPGPS), we trust that the event will offer an unprecedented opportunity for you to discover the cutting-edge Geoinformatics technology and its development and applications in disaster management and emergency response.

#### Conference Topics

The conference opens to all aspects of geoinformatics relevant to critical infrastructure protection and emergency/disaster management, especially in the following areas:

- Web-based geospatial data and GIS services
- Location based services (LBS)
- Multi-dimensional (2D, 3D, and 4D) spatial data modeling and data quality
- Spatial decision support and spatial workflows
- Automated object extraction and database updates from imagery
- Integrated multi-sensor navigation systems
- LIDAR and IFSAR for DEM generation and 3D modeling
- Spatial data fusion and integration algorithms
- Terrestrial LIDAR and industry metrology
- Indoor Navigation
- GNSS interoperability, software and algorithms
- Integration of environmental modeling and GIS
- Wireless GIS solutions for disaster management
- Geospatial solutions for emergency preparedness and response
- Remote sensing for disaster monitoring, mitigation and assessment

In addition to regular panel sessions, technical sessions, and exhibitions, this conference will foster two special programs for participating students:

- Student Paper Awards and Travel Grants: aim to encourage student participation and publication of their research results (pending for the approval from CPGIS and CPGPS).
- Thesis Research Forum: provides a dedicated session for graduate students to present their thesis related research results.

#### Abstracts and Papers

You are invited to submit an abstract of no more than 500 words summarizing original and unpublished research results on the above and other related topics. All submitted abstracts must be written in English and will be refereed for quality, originality and relevance by the Scientific Committee. The accepted abstracts will be notified and a full paper will be expected before the submission deadlines. All accepted papers will be included in the conference proceedings. Selected papers, through a peer-review process, will be published in the CPGIS Journal and possibly special journal issues (TBD).

Abstract should be emailed to: [geoinfo5@ryerson.ca](mailto:geoinfo5@ryerson.ca) in Microsoft Word format before November 30, 2004.

#### Venue

Rated as one of Fortune Magazine's "Best International Cities" in the world, Toronto is Canada's largest multicultural city, with a population of more than 4,000,000. It is one of the best cities in North America to live in. Over 100 foreign languages are spoken in the city. The conference will be held at Ryerson International Conference Center or Ramada Hotel (to be finalized soon), located in the heart of downtown Toronto, within walking distance of music, movies, theatres, great food, great shopping centers, and international attractions. The conference program will also highlight social activities that will allow you to experience the many delights of Toronto.

#### Registration:

- Regular Registration: US\$340 (US\$400 after April 31, 2005)
- CPGIS/CPGPS members: US\$240 (US\$300 after April 31, 2005)
- Student Registration: US\$140 (US\$200 after April 31, 2005)

Registration fee includes conference publications, morning and afternoon coffee/tea breaks, and conference reception. Fee schedule for social programs including local tours and dinner at Niagara Fall will be available soon.

#### Important Dates

Abstract Deadline: November 30, 2004  
Acceptance Notice: January 31, 2005  
Full Paper Deadline: April 30, 2005  
Conference Dates: August 17 -19, 2005

#### Contact:

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For further information and conference updates, please visit the conference website at:

<http://www.ryerson.ca/geoinformatics2005/>