

IMPORTANT DATES

September 30, 2011 : Abstracts due

November 15, 2011 : Abstract acceptance notification

January 31st, 2012 : Final manuscript & Registration due

CONFERENCE VENUE

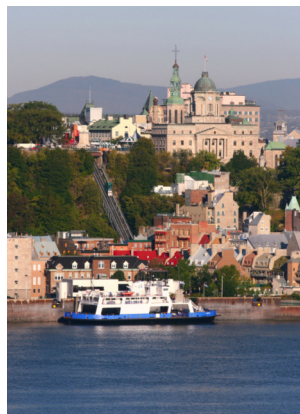
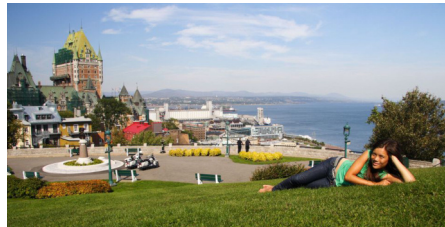
The conference will be held at the Loews Le Concorde Hotel located in the historic downtown area of Quebec City, a UNESCO World Heritage Treasure and truly one of the most beautiful cities in Canada. Visitors can explore the historic downtown core as it was an original walled city. Rich in French culture and history, Québec City is known for its antique shops where treasures can be found around every corner. As the capital of the province of Quebec, Québec City is a "must see" for any traveler to Canada.

For more information: <http://www.quebecregion.com/en>

Bienvenue à Québec!!

PAPER ABSTRACTS CAN BE SUBMITTED ONLINE AT:

www.csce.ca/2012/iccre



Fifteenth International Specialty Conference
on **Cold Regions Engineering**

Quebec City, Canada

August 19-22 2012

**Call For
Papers**

www.csce.ca/2012/iccre

Sponsored by the Canadian Society for Civil Engineering
and the American Society of Civil Engineers



SUSTAINABLE INFRASTRUCTURE DEVELOPMENT IN A CHANGING COLD ENVIRONMENT

Meet the challenges of development, maintenance and management of civil infrastructure in cold regions

Cold Regions Engineering is essential for social and economic development in cold environments. The development of infrastructure that performs adequately in cold regions can make the difference between profit and loss, growth and decline and sometimes even between life and death.

For the purpose of the conference, Cold Regions is defined as a region where significant freezing of soils and structures occurs. It thus includes areas of seasonal frost as well as areas characterized by the presence of permafrost.

The growing demand for exploitation of natural resources and climate change adaptation and mitigation strategies are two major elements stimulating innovation and sustainable development in cold regions. Don't miss this opportunity to be amongst those who will play an active role in this development.

The 15th International Specialty Conference on Cold Regions Engineering (ICCRE 2012) will be held in Quebec City, Canada on August 19-22, 2012. The conference is in continuity of the previous International Cold Regions Engineering conferences held in Duluth, Minnesota (2009) and Orono, Maine (2006)

PURPOSE

The Conference will provide a forum for scientists, engineers, economists, and decision-makers to discuss and appreciate the various aspects involved in the implementation of sustainable infrastructure in cold regions.

CALL FOR PAPERS

The scientific committee of ICCRE 2012 is soliciting papers which address the various experiences, technologies and challenges in cold regions engineering under the general theme: **"Sustainable infrastructure development in a changing cold environment"**.

Suggested topics are listed below. Other topics relevant to the conference scope will also be considered.

Soils

- Frost action
- Bearing capacity
- Seasonal effects
- In situ characterization
- Earthworks
- Retaining structures

Roads, airfields and railways

- Pavement design and analysis
- Materials
- Drainage
- Insulation
- Construction
- Winter maintenance

Water

- Dams in cold regions
- Water utilities
- Sewage treatment facilities
- Sewage processes
- Ice jam control
- Navigation in winter conditions and in polar regions
- Port facilities

Building and structures

- Foundations in seasonal frost and permafrost conditions
- Performance of materials in cold climates

