



IEEE



# CALL FOR PAPERS, TUTORIALS and STUDENT POSTERS

## OCEANS '08 MTS/IEEE Québec, Canada



Oceans, Poles and Climate: Technological Challenges  
A Major International Technology Conference and Exhibition

Quebec City, Quebec, Canada  
15-18 September 2008

Oceans '08 MTS/IEEE QUEBEC is the premier forum in 2008 for all leading international scientists, engineers, technologists, suppliers and end-users in the maritime, ocean, and subsea community to meet.

We now invite the global community to make a contribution to our marine technological challenges theme and offer abstracts for state-of-the-art Papers and proposals for Tutorials. We also continue to encourage student participation through the Student Poster Competition and invite undergraduate and postgraduate presentations in a special poster session.

Oceans '08 will be held at the state-of-the-art Quebec Exhibition and Conference Centre located in Quebec City, Quebec, Canada. The conference and exhibition are co-located within the Conference Centre to enable all attendees to maximize opportunities for networking with academics and industry, and ensure that they gain maximum benefit from attendance.

### IMPORTANT DATES TO REMEMBER:

Abstract Submission Deadline: **15 May 2008**

Tutorial and Student Poster Submission Deadline: **15 May 2008**

Author Notification: **15 June 2008**

Advance Registration closes: **22 July 2008**

Author Registration Deadline for Publication: **22 July 2008**

Manuscript Submission Deadline: **22 July 2008**

[www.oceans08mtsieeequebec.org](http://www.oceans08mtsieeequebec.org)

## Chair's Welcome

In September 2008, the prestigious Oceans conference and exhibition comes to Quebec City, Canada. Oceans '08 will coincide with the 400th anniversary of Quebec, a jewel of the World Heritage famous for its gastronomy and joie de vivre. Oceans '08 will also happen at the pinnacle of the 4th International Polar Year (2007-2009) that focuses on the rapidly changing Polar Oceans. Thus the stars are aligning for a landmark edition of Oceans, the world's leading conference and exhibition in ocean science, engineering, technology and management. At a time when the Northern Hemisphere is poised to shift to a new climate, our theme 'Oceans, Poles and Climate: Technological Challenges' will enable scientists and engineers from all over the world to discuss and debate the technological challenges raised by the study of the on-going transformation of Polar and non-polar oceans.

From the decline of the Arctic sea-ice cover to the acidification of the surface ocean, from the exploration of new resources to the preservation of ocean biodiversity, a series of plenary, keynote and technical papers will focus on the technological challenges of exploring and preserving our changing oceans.

Quebec City, the most European of North American cities, is the historic gateway linking the North Atlantic to the Great Lakes and the interior of the continent. From the early 20th century expeditions of Captain Joseph Elzéar Bernier to the present-day scientific missions of the research icebreaker Amundsen, Quebec City boasts a long tradition of Polar exploration that makes her the obvious venue for the 2008 edition of Oceans. A truly maritime cachet, a vibrant culture, the golden light of September, and the exciting nightlife of French Québec will seduce you and your guests.

On behalf of the dedicated Oceans Committee, we invite you to a memorable meeting that will change your view of ocean sciences, in a venue that will change your view of life. Bienvenue à Québec!



**Professors Louis Fortier and Ferial El-Hawary**  
Co-Chairs of Oceans '08 Quebec

## Theme and Topics

We welcome technical papers addressing our 'Oceans, Poles and Climate: Technological Challenges' theme in the following topic areas:

### Oceans '08 MTS/IEEE Quebec Specific Topic Areas

- An ice-free Arctic Ocean: navigational, legal, and policy issues
- Adapting technology and instrumentation to ice-covered seas
- Long-term observation of Polar Oceans: status and challenges for the future
- Technological challenges in linking Ocean and Climate Sciences
- Ocean biodiversity and molecular technologies
- Technological challenges in biological/fisheries oceanography
- The St-Lawrence River and its deep arctic channel

### Oceans Traditional Technical Tracks

- Sonar Signal/Image Processing and Communication
- Ocean Observing Platforms, Systems and Instrumentation
- Air and Space Ocean Remote Sensing
- Ocean Data Visualization, Modeling and Information Management
- Marine Environment, Physical Oceanography and Meteorology
- Subsea Optics, Imaging and e-m Systems
- Marine Law, Policy, Management and Education
- Offshore Structures and Technology
- Underwater Acoustics and Acoustical Oceanography

## Abstract Submission, Deadline – 15 May 2008

Abstract Submission is now open at [www.oceans08mtsieequebec.org](http://www.oceans08mtsieequebec.org). All abstracts must be submitted online via the conference website and will be considered for presentation on the understanding that the work has not been published or presented elsewhere in substantially the same form and that they will be presented at the Conference as an oral communication. The decisions of the Technical Program Committee Chairman will be final and binding. For abstract formatting guidelines and full submission instructions please visit the 'Abstract and Manuscript Submission' section of the Conference website.

## Professional Tutorial Program, Deadline - 15 May 2008

The Conference Committee welcomes ideas for Professional Advancement Tutorials, which will be held on Monday 15 September 2008, before the main conference begins. Please e-mail your proposals to [tutorials@oceans08mtsieequebec.org](mailto:tutorials@oceans08mtsieequebec.org). Tutorial proposals should include topic title, a short description of the proposed subject and plan for the session and contact details of the proposed organizer along with a short biography of the presenter. For details of already confirmed tutorials please visit the 'Scientific Program' section of the Conference website.

## Student Poster Competition, Deadline – 15 May 2008

We invite all engineering and science graduate and undergraduate students of any university or college worldwide to submit an abstract for consideration for presentation in the Student Poster Competition. This competition aims to promote student involvement in Oceans and provides them with exposure to the activities of professional societies and the opportunity to interact with professionals in the field. For further details regarding abstract formatting and submission, competition prizes and financial support please visit the 'Scientific Program' section of the Conference website.

## Registration

Registration for Oceans '08 MTS/IEEE Quebec is now available online at [www.oceans08mtsieequebec.org](http://www.oceans08mtsieequebec.org). If you submit a paper please note that it is a requirement that one author per paper must be fully registered, as a Member/Non Member (not Student or One Day or Other) and paid by 22 July 2008 or the paper will not be included in either the Technical Program or the CD Rom of proceedings. There will be no exceptions. Note that the prices are in Canadian dollars.

The rates are as follows and a more complete list can be obtained on the conference web site:

	<b>Advance*</b>	<b>Standard</b>
MTS/IEEE Members** Full	\$615.00	\$740.00
Non Members Full	\$700.00	\$830.00
MTS/IEEE Members Student	\$100.00	\$110.00
Non Members Student	\$190.00	\$200.00
MTS/IEEE Life/MTS Emeritus Members	\$110.00	\$135.00
MTS/IEEE Members 1 Day	\$250.00	\$280.00
Non Members 1 Day	\$290.00	\$350.00
Tutorials MTS/IEEE Member	\$275.00	\$305.00
Tutorials Non Member	\$275.00	\$305.00
Tutorials MTS/IEEE Student	\$125.00	\$155.00
Tutorials Student	\$155.00	\$185.00

\* Advance Registration Closes on 22 July 2008!!

\*\* Failure to register, present or display a paper or a poster will automatically result in the paper not being published in the proceedings of the conference.

### Full Registration Includes:

- Access to all Conference sessions and the Exhibition
- Tea, coffee and lunch on live conference days
- Entrance to the Civic Reception and Exhibitor's Reception
- Copy of the Conference Proceedings
- DVD and tote bag
- Ticket for the Conference Banquet

### Student / Life Members Registration Includes:

- Access to all Conference sessions and the Exhibition
- Tea, coffee on live conference days
- Entrance to the Civic Reception and Exhibitor's Reception
- Copy of the Conference Proceedings (Banquet tickets can be purchased when completing online registration).

## Accommodation

There is a wide variety of accommodation available in Quebec. For further information and to book your accommodation online at the special Oceans '08 Quebec Conference rates please visit the 'Accommodation and Travel' page of the conference website. Note that passports are now required for American Citizens returning to the USA. For Citizens of other countries, visas are required in some cases. For more detailed information please check at <http://www.cic.gc.ca/english/visit/visas.asp>

## Social Program

A broad social program has been arranged in order to introduce delegates and their partners to the wide range of cultural and social activities that Quebec has to offer.

**Civic Reception / Ice Breaker** – Monday 15 September 2008: This will be held along with Conference Registration in the Concourse of Conference Centre from 1800 – 2000 hrs. This event is included within all Registration Fee types.

**Exhibitor's Reception** – Tuesday 16 September 2008: The Reception will be held from 1800 – 1930 hrs in the Oceans '08 Exhibition Hall at the Conference Centre. This event is included within all full Registration Fee Types excluding One Day Registrations unless you are registered for Tuesday 16 September 2008.

**Conference Banquet** – Wednesday 17 September 2008: This event is included within the Registration Fee for full delegates only. Students, One-day Delegates and Spouses can purchase tickets for \$90.00 when completing online registration.

**Tours** – A range of pre and post conference tours will be available in addition to the Accompanying Persons Program running during the conference. Please visit the 'Program' page of the Conference website for further details on all the scheduled social events.

### One Day Registration Includes:

- Access to all Conference sessions and the Exhibition on selected day of attendance
- Tea, coffee and lunch on selected day of attendance
- Entrance to the Civic Reception
- Entrance to Exhibitor's Reception (only applicable if attending on Tuesday 16 September 2008)
- Copy of the Conference Proceedings

### Spouse / Guest Registration Includes:

- Tea, coffee on live conference days
- Entrance to the Civic Reception and Exhibitor's Reception only. Please note that the Conference Banquet ticket is NOT included (Banquet tickets can be purchased when completing online registration).

