

This conference provides a unique opportunity for indepth technical discussions and exchange of ideas in mathematical and computational sciences, as well as their applications in natural and social sciences, engineering and technology, industry and finance

It offers to researchers, industrialists, engineers and students to present their latest research, to interact with the experts in the field, and to foster interdisciplinary collaborations required to meet the challenges of modern science, technology, and society.

The conference is a satellite meeting of the ICIAM-2011. Located just west of Toronto in the Canada Research Triangle area, the city of Waterloo is home to two universities, the Perimeter Institute for Theoretical Physics, Research in Motion, and many other innovative institutions. We look forward to welcoming you in Waterloo on the occasion of this exciting scientific event!

## AMMCS GENERAL CHAIRS

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For further information visit www.wlu.ca/ammcs2011

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The INTERNATIONAL CONFERENCE

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MODELING and

COMPUTATIONAL SCIENCE

The INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS MODELING and COMPUTATIONAL SCIENCE

# JULY 25-29

#### PLENARY SPEAKERS

Confirmed speakers at this conference include:

**Alberto Bressan** Pennsylvania State University David Cai Courant Institute of Mathematical Sciences, NYU Alan Edelman Massachusetts Institute of Technology **Susanne Lenhart** University of Tennessee Ming Li University of Waterloo Chi-Wang Shu Brown University **Stephen Watt** University of Western Ontario

### Topics include, but not limited to...

Mathematics and Computation in Biological Sciences and Medicine Partial Differential and Integral Equations in Mathematical Modeling Applications of Dynamical Systems and Differential Equations Computational Physics and Chemistry Computational Algebra, Combinatorics and Optimization Mathematical Models in Social Sciences Computational Mechanics and Engineering Financial Mathematics and Computation Statistical Modelling Mathematical Modelling in Environmental Sciences Applied Mathematics and Computational Science Education

We also encourage submissions in emerging cross-discipline subject areas in mathematics, science, and engineering.

For further information visit www-wlu-ca/ammcs2011

#### SPECIAL SESSIONS

The conference has a series of special sessions and minisymposia, each devoted to a single topic. The intent is to run special sessions/minisymposia over a full range of topics of the conference.

To submit a new session or a minisymposium, organizers should send an e-mail to ammcs2011@wlu.ca (cc to ammcs2011@easychair.org) with the following information:

- The title of the minisymposia
- The name of the organizer(s)
- A list of confirmed speakers (4, 8, or 12)

While planning your minisymposium or a special session, please note:

- Minisymposia talks will be 30 minutes and will be arranged into 2 hour sessions of 4 talks.
- Minisymposia can consist of 4 speakers in a single session or 8 or 12 speakers over two or three sessions, respectively.
- One registered participant has a limit of two talks at the meeting.

For special sessions' organizers registration fee is waved. The deadline for minisymposia/special sessions proposals submission is March 1, 2011.

Please direct your potential contributors to the submission page. The deadline for abstract submission is March 15, 2011.

## **DEADLINES**

Deadline for minisymposia/special sessions proposals: March 1, 2011.

Deadline for submissions of abstracts: March 15, 2011.

Decision on abstracts: April 15, 2011.

The deadline for submissions of extended abstracts for conference proceedings: May 15, 2011.

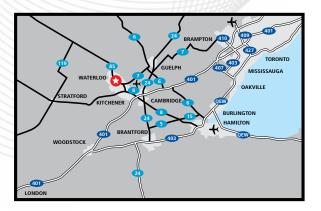
Deadline for author registration: May 15, 2011.

Publication of full program: June 30, 2011.

#### TRAVEL AND LOCAL INFORMATION

The conference will be held on the Waterloo Campus of Wilfrid Laurier University, the older of the two universities located in the city. The city of Waterloo is easily reachable by air and ground transportation. Waterloo has its own international airport. The city is within one hour drive from either Toronto airport or the Hamilton airport.

To reach Laurier from Highway 401, take exit 278B if you're coming from London, or 278 if you're coming from Toronto. Follow Highway 8 West to Highway 85 North to Waterloo and continue to University Avenue. Take University Avenue West (the second University Avenue exit) and proceed to the university. When you arrive, please check in to the parking kiosk, located at University Ave. and Hazel St. An attendent will be happy to direct you to the closest available parking.



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