



AMMCS2013

This conference provides a unique opportunity for in-depth 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.ammcs2013.wlu.ca

or email us at

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



AMMCS2013

Interdisciplinary AMMCS Conference Series

AUGUST 26-30

WATERLOO, ONTARIO, CANADA

The **INTERNATIONAL CONFERENCE**
on **APPLIED MATHEMATICS,**
MODELING and
COMPUTATIONAL SCIENCE

The INTERNATIONAL CONFERENCE on APPLIED MATHEMATICS, MODELING and COMPUTATIONAL SCIENCE

AUGUST 26–30

PLENARY SPEAKERS

Confirmed speakers at this conference include:

Peter Carr Morgan Stanley

Emily Carter Princeton University

Ronald Coifman Yale University

Marty Golubitsky Ohio State University

Lili Kari Western University

Andrew Majda New York University

George Papanicolaou Stanford University

Panos Pardalos University of Florida

Michael Sigal University of Toronto

Godfried Toussaint NYUAD/MIT/McGill

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.

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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 ammcs2013@wlu.ca with the following information::

- **The title of the special session/minisymposia**
- **The name(s) of the organizer(s)**
- **A brief description (up to 100 words)**

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

- **Minisymposia will consist of several 2 hour sessions.**
- **Special sessions have usually 6 talks (20 minutes each).**
- **One registered participant has a limit of two talks at the meeting.**

For special sessions' and minisymposia's organizers registration fee is waived.

The deadline for minisymposia/special sessions proposals submission is February 15, 2013.

Please direct your potential contributors to the submission page. The deadline for abstract submission is March 15, 2013.

DEADLINES

Deadline for minisymposia/special sessions proposals:
February 15, 2013.

Deadline for submissions of abstracts: **March 15, 2013.**

Decision on abstracts: **April 15, 2013.**

The deadline for submissions of extended abstracts for conference proceedings: **May 15, 2013.**

Deadline for author registration: **May 15, 2013.**

Publication of full program: **June 30, 2013.**

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 attendant will be happy to direct you to the closest available parking.



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