

EAST COAST COMPUTER ALGEBRA DAY 2004

ECCAD'2004

FIRST ANNOUNCEMENT AND CALL FOR POSTERS

The 11th annual *East Coast Computer Algebra Day* (ECCAD'2004) will be held on Saturday, **May 8, 2004**. It will be hosted at

Wilfrid Laurier University
Waterloo ON, Canada

Web Site: <http://www.cargo.wlu.ca/eccad2004/>

E-Mail: eccad2004@wlu.ca

Location: Amphitheater N1001, Building of the Faculty of Science,
75 University Avenue West, Waterloo, Ontario N2L 3C5 CANADA

THEMES

1. Algebraic Algorithms
2. Symbolic-Numeric Computation
3. Computer Algebra Systems and Generic Programming
4. Mathematical Communication
5. Complexity of Algebraic Problems
6. Symbolic and Numerical Linear Algebra
7. Applications of Symbolic Computation

INVITED SPEAKERS

1. Prof. Jonathan M. Borwein, FRSC, Dalhousie University, CANADA
Title: *Mathematics by Experiment: Plausible Reasoning in the 21st Century.*
2. Prof. David A. Cox, Amherst College, USA
Title: *Implicitization and Commutative Algebra.*
3. Prof. Daniel Lazard, Universite Paris 6, FRANCE
Title: *Solving zero-dimensional systems of equations and inequations, depending on parameters.*

REGISTRATION

The ECCAD'2004 Registration web page can be accessed from the conference web site or through direct link: <http://www.cargo.wlu.ca/eccad2004/registration.php>
The registration is now open, please register as soon as you decide to attend.

POSTER SESSIONS

In keeping with tradition, there will be two poster sessions offering all participants an opportunity to present timely research in an informal environment. To submit a poster, send a title and abstract by e-mail to eccad2004@wlu.ca. If you would like to set up a demo at the conference, please specify your space and other requirements by e-mail to eccad2004@wlu.ca. All submissions are due by **April 20, 2004**.

Recent post-docs and graduate students are particularly encouraged to submit posters and arrange to set up a demo of their work.

Poster abstracts may be up to 2 pages. Poster abstracts received before the submission deadline of **April 20, 2004** will be included in the ECCAD'2004 book of abstracts which will be available at the conference.

ACCOMMODATIONS

Visit the conference web page to book your hotel. Mention ECCAD'2004-WLU when completing your reservation.

TRAVEL SUPPORT

Subject to successful funding, a limited number of participants will be supported to attend ECCAD'2004. We have requested support for US participants. Support may cover only partially your travel expenses and lodging for up to two nights. There will be no stipends. If you plan to attend and apply for support, please send your inquiry with an itemized estimate of your expenses to eccad2004@wlu.ca. Note that if your application is approved and if funding is available, you will receive your reimbursement after the meeting. All applications for support are due by **April 30, 2004**.

ORGANIZATION

Advisory Committee:

1. Christopher W. Brown, United States Naval Academy, Annapolis, MD, USA
2. Bruce Char, Drexel University, Philadelphia, USA
3. Robert M. Corless, University of Western Ontario, Ontario, Canada
4. Shuhong Gao, Clemson University, Clemson, South Carolina, USA
5. Keith O. Geddes, University of Waterloo, Waterloo, Ontario, Canada
6. Mark W. Giesbrecht, University of Waterloo, Ontario, Canada
7. Erich Kaltofen, North Carolina State University, Raleigh, NC, USA
8. B. David Saunders, University of Delaware, Newark, DE, USA
9. William Sit, City University of New York, New York, NY, USA
10. Stephen M. Watt, University of Western Ontario, Ontario, Canada

Organizer:

Ilias S. Kotsireas, Wilfrid Laurier University, Waterloo, ON, Canada

Local Arrangements Organizing Committee:

Daniel Butcher, Edmond Lau, Lorna Schmalz
Wilfrid Laurier University, Waterloo, ON, Canada

ECCAD'2004 Sponsors:

1. Wilfrid Laurier University Research Office (<http://www.wlu.ca/research>)
2. Wilfrid Laurier University Faculty of Science (<http://www.wlu.ca/science>)
3. Maplesoft Inc. (<http://www.maplesoft.com/>)
4. National Science Foundation, NSF (<http://www.nsf.gov>)
5. Natural Sciences and Engineering Research Council, NSERC (<http://www.nserc.ca/>)

OTHER INFORMATION

1. Up-to-date information regarding accommodations, directions, area restaurants, conference dinner, reception, registration, etc. will be posted at the conference web site:

<http://www.cargo.wlu.ca/eccad2004/>

2. ECCAD'2004 will be co-located with a MOCAA Workshop.

*MATHEMATICS OF COMPUTER ALGEBRA AND ANALYSIS
(MOCAA)*

A workshop on the mathematics of computer algebra and analysis will be held on Thursday, Friday and Saturday, May 6, 7, 8, 2004 at the University of Waterloo. Sponsored by the Fields Institute this workshop will complement the ECCAD'2004 conference held on May 8 at Wilfrid Laurier University. In particular the two events will share joint poster sessions, held at Wilfrid Laurier University on Saturday, May 8th 2004.

Organizer:

George Labahn, University of Waterloo, Waterloo, Ontario, Canada

Organizational Committee:

Keith O. Geddes, University of Waterloo, Waterloo, Canada
Mark W. Giesbrecht, University of Waterloo, Waterloo, Canada
Arne Storjohann, University of Waterloo, Waterloo, Canada
Eugene Zima, University of Waterloo, Waterloo, Canada

Invited speakers and additional details will be announced in January.

3. An additional event is planned on Wednesday afternoon, May 5th, by Maplesoft.

Introduction to Programming Maplets & The Maple 9 Linear Algebra Package

Maplesoft tutorial sessions

Maplesoft, 615 Kumpf Drive, Waterloo ON, CANADA

Introduction to Programming Maplets

Participants will be introduced to the development of custom user interfaces for Maple, using the Maplets package. Basic techniques will be practiced, by building several Maplets from scratch with the instructor.

The Maple 9 Linear Algebra Package

This tutorial provides an overview of the capabilities which Maple has to offer in the realm of linear algebra.

PLEASE HELP COMMUNICATE THIS ANNOUNCEMENT TO ALL INTERESTED PARTIES. APOLOGIES FOR MULTIPLE RECEPTIONS.