

CASCON 2009 Call for Papers

The 19th Annual International Conference on Computer Science and Software Engineering

November 2-5, 2009

Sheraton Parkway Toronto North Hotel and Conference Centre,
Ontario, Canada

<http://www.ibm.com/ibm/cas/cascon>

Theme: Computing for a Smart Planet

Sponsored by:

IBM TORONTO SOFTWARE LABORATORY, IBM CENTERS FOR ADVANCED STUDIES
in partnership with
NATIONAL RESEARCH COUNCIL CANADA

CASCON 2009 is the 19th Annual International Conference hosted by the IBM Centers for Advanced Studies. This "Meeting of Minds" provides an exciting forum for exchanging ideas and experiences in the ever-expanding and critical fields of software development and computing. The CASCON 2009 program will include keynote presentations, technical papers, workshops, and a technology showcase. The technical papers program will feature experience reports and original research papers. The technology showcase will feature poster presentations and demonstrations on research in progress. As such, CASCON 2009 will be an excellent venue for presenting original work, exchanging new ideas, sharing results and experiences, and networking with researchers and practitioners from academia, industry, and government.

Important Dates

- May 11, 2009: Abstracts for technical papers due
- June 1, 2009: Full technical papers due
- July 27, 2009: Acceptance notification to technical paper authors
- August 19, 2009: Camera-ready technical papers due
- November 2-5, 2009: Conference dates

Suggested Topics

CASCON 2009 invites authors to submit original papers addressing any of the following topics:

- Cloud computing: virtualization; software as a service; software appliance, identity and security; business models.
- User interaction: cognitive support for interaction; user interaction patterns; social software; multimodal interfaces; web-based interface design, context adaptive interactions, end user programming.
- Business intelligence: data warehouses; OLAP; data mining and analytics; data visualization; intelligent search; data quality; data integration; recovery, display and manipulation of business rules.
- Software development processes: development methods and techniques; measurement and metrics; software development data mining and intelligence; agile methods; service-oriented system development; open-source and global software development; verification and validation; model checking; software testing; reliability engineering; quality assurance; end-user software development.
- Software development tools: compilers; collaborative integrated development environments; testing frameworks; service-oriented programming models; supporting distributed and parallel computation; supporting collaboration and awareness.
- Security and Privacy: cryptography; access control; security in domain-specific applications; privacy and trust
- Software design & comprehension: software architecture; service-oriented architecture; object-oriented techniques; program understanding and reengineering, web applications' architectures.
- Next generation systems: multi-core systems; stream processing systems; graphical processing systems.
- Database infrastructure and technology: stream data; XML and text data; query processing and optimization; data mining; self-management.
- Services science: new computation and business models; large-scale system integration; legal, economic and societal issues.

- Web-based systems: web application architecture, communities of practice; wikis and blogs; scripting languages; privacy and trust; mobile web; semantic web; new collaboration environments and technologies.

Best Paper Awards:

Two paper awards – for Best Paper and Best Student Paper - will be presented to recognize the best technical contributions of the event in terms of originality, clarity and potential impact. To be eligible for the "Best Student Paper" award, a paper must have been primarily authored by a student and the work that the paper reports must have been undertaken by the student authors. Only the student author(s) of the Best Student Paper award receive a prize. The recipients must have been students at the time the work was undertaken.

Submission Instructions:

The deadline for paper submissions is June 1, 2009. However, please submit an abstract by May 11, 2009 to assist us with planning.

To submit a technical paper, please register at the submission site <http://witanweb.ca/cascon2009/>. Once registered, instructions will be provided regarding how to submit your abstract and paper. **The paper submission web site will open on March 16, 2009.**

Technical papers should be, at most, 15 pages long, using 10pt font, in 2 columns. Detailed style descriptions, as well as templates are available at the submission web site.

CASCON 2009 will NOT accept submissions that have been previously published, are in press or have been submitted elsewhere.

The proceedings from CASCON 2009 will be published by IBM, and will be included in the ACM Digital Library.

To submit a workshop proposal, poster presentation, or demonstration please refer to the conference site <http://www.ibm.com/ibm/cas/cascon>.

Please help us publicize CASCON 2009 by linking to the conference web site <http://www.ibm.com/ibm/cas/cascon> from your own Web site and by bringing this announcement to the attention of your colleagues.

We look forward to receiving your submissions and meeting you at CASCON in November!

General Chairs:

Joanna Ng, Head, IBM Toronto Lab Center for Advanced Studies, IBM Canada Ltd.
Christian Couturier, Director General, Institute for Information Technology, National Research Council Canada

Program Co-Chairs:

Patrick Martin, Queen's University, martin@cs.queensu.ca
Anatol W. Kark, National Research Council Canada, Anatol.Kark@nrc-nrc.gc.ca

CASCON 2009 Program Committee:

Ashraf Abounaga, University of Waterloo, Canada
Cristiana Amza, University of Toronto, Canada
Eric Aubanel, University of New Brunswick, Canada
Mike Bauer, University of Western Ontario, Canada
Leopoldo Bertossi, Carleton University, Canada
Dirk Beyer, Simon Fraser University, Canada
Harold Boley, National Research Council, Canada
Thomas Dean, Queen's University, Canada
W. Morven Gentleman, Dalhousie University, Canada
Mike Godfrey, University of Waterloo, Canada
Arie Gurfinkel, SEI/CMU, USA
Alan Hartman, IBM India, India
Michael Hind, IBM Watson, USA

Nigel Horspool, University of Victoria, Canada
Daqing Hou, Clarkson University, USA
Arno Jacobsen, University of Toronto, Canada
Dean Jin, University of Manitoba, Canada
Diane F. Kelly, Royal Military College, Canada
Scott Knight, Royal Military College, Canada
Kostas Kontogiannis, University of Waterloo, Canada
Weidong Kou, IBM China, China
Tim Lethbridge, University of Ottawa, Canada
Grace Lewis, SEI/CMU, USA
Chung-sheng Li, IBM Hawthorne, USA
Marin Litoiu, York University, Canada
Hanan Lutfiyya, University of Western Ontario, Canada
Kelly Lyons, University of Toronto, Canada
Dwight Makaroff, University of Saskatchewan, Canada
Serge Mankovski, CA Labs, Canada
Maurizio Morisio, Politecnico di Torino, Italy
Hausi Müller, University of Victoria, Canada
Mario Nascimento, University of Alberta, Canada
Susan O'Donnell, National Research Council, Canada
Giovanni Pacifici, IBM Watson, USA
Erik Putrycz, National Research Council, Canada
Arthur Ryman, IBM Canada, Canada
Kevin A. Schneider, University of Saskatchewan, Canada
Paul Sorenson, University of Alberta, Canada
Vova Soroka, IBM Haifa, Israel
Bruce Spencer, National Research Council, Canada
Eleni Stroulia, University of Alberta, Canada
Burak Turhan, National Research Council, Canada
Paul Ward, University of Waterloo, Canada
Jon Whittle, Lancaster University, UK
Ken, Wong, University of Alberta, Canada
Yelena Yesha, University of Maryland, USA
Mohammad Zulkernine, Queen's University, Canada
Calisto Zuzarte, IBM Canada, Canada