

ICSE



23rd International Conference on Software Engineering

**Westin Harbour Castle Hotel
Toronto, Ontario, Canada
May 12–19, 2001**

Call for Papers and Participation

Today, the engineering of software profoundly impacts world economics. For example, the desperate demands by all information technology sectors to adapt their information systems to the web has generated a tremendous need for methods, tools, processes and infrastructure to develop new and evolve existing applications efficiently and cost-effectively.

ICSE 2001, the premier conference for software engineering will present the latest inventions, achievements and experiences in software engineering research and practice. We invite you to participate in ICSE 2001 to help us build an exciting forum for exchanging ideas and experiences in this ever expanding and critical field of software engineering.

We invite submissions of various types on all aspects of software engineering: technical papers, case study reports, and education papers; collocated events; tutorial, workshop, and panel proposals; doctoral symposium applications; formal research demonstrations; posters and informal research demonstrations; and exhibits. We also accept corporate donations, and encourage students to apply as student volunteers.

Keynote Speakers

- Linda Northrop—Software Engineering Institute, USA
- John Swainson—IBM Corporation, USA
- Bernd Voigt—Lufthansa, Germany

Special Events

- David L. Parnas Symposium
- Perspectives on Software Engineering Panel
- Software Engineering Research Agendas Panel
- Invited Industry Presentations

Collocated Conferences

- International Workshop on Program Comprehension (IWPC)
- Engineering for Human-Computer Interaction (EHCI)
- Symposium on Software Reusability (SSR)

<http://www.csr.uvic.ca/icse2001/>

General Chair

Hausi A. Müller—University of Victoria, Canada; haus@csr.uvic.ca

Program Chairs

Mary Jean Harrold—Georgia Institute of Technology, USA; harrold@cc.gatech.edu
Wilhelm Schäfer—University of Paderborn, Germany; wilhelm@uni-paderborn.de

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Mehdi Jazayeri—Technical University of Vienna, Austria
Richard A. Kemmerer—University of California at Santa Barbara, USA
Nicole Lévy—University of Versailles en lvelines, France
Jeff Magee—Imperial College, UK
Nenad Medvidovic—University of Southern California, USA
Leon J. Osterweil—University of Massachusetts, USA
Dewayne E. Perry—University of Texas at Austin, USA
Alexander Ran—Nokia Research Center, USA
Debra J. Richardson—University of California at Irvine, USA
Cruia-Catalin Roman—Washington University, St. Louis, USA
David S. Rosenblum—University of California at Irvine, USA
Gregg Rothermel—Oregon State University, USA
Gregor Snelting—University of Passau, Germany
Kevin J. Sullivan—University of Virginia, USA
Peri Tarr—IBM T.J. Watson Research Center, USA
Walter F. Tichy—University of Karlsruhe, Germany
Jim Welsh—University of Queensland, Australia
Linda Wills—Georgia Institute of Technology, USA
Michal Young—University of Oregon, USA
Albert Zündorf—University of Paderborn, Germany

Case Studies

Jeff Kramer (co-chair)—Imperial College, UK; jk@doc.ic.ac.uk
Dennis Smith (co-chair)—Software Engineering Institute, USA; dbs@sei.cmu.edu
Cerardo Canfora—University of Sannio, Italy
Wolfgang Emmerich—University College London, UK
Alfonso Fuggetta—Politecnico di Milano, Italy
Kai Koskimies—Tampere University of Technology, Finland
Timothy C. Lethbridge—University of Ottawa, Canada
Adam Porter—University of Maryland at College Park, USA
June Verner—Drexel University, USA

Education Track

Anthony Finkelstein (co-chair)—University College London, UK; a.finkelstein@cs.ucl.ac.uk
Hossein Saiedian (co-chair)—University of Nebraska at Omaha, USA; hossein@unomaha.edu

Industrial Track

François Coallier (co-chair)—Bell Canada, Canada; francois.coallier@bell.ca
Linda Northrop (co-chair)—Software Engineering Institute, USA; lmn@sei.cmu.edu
Dewayne E. Perry (co-chair)—University of Texas at Austin, USA; perry@ece.utexas.edu
Mikio Aoyama—Niigata Institute of Technology, Japan
Volker Cruh—University of Dortmund, Germany
Gene F. Hoffnagle—IBM Corporation, USA
Jim Ning—Andersen Consulting, USA
Jacob Slonim—Dalhousie University, Canada

Perspectives on Software Engineering

David Notkin (chair)—University of Washington, USA; notkin@cs.washington.edu

Software Engineering Research Agendas

Dieter Rombach (chair)—Fraunhofer IESE, Germany; rombach@iese.fhg.de

David L. Parnas Symposium

Dan Hoffman (co-chair)—University of Victoria, Canada; dhoffman@csr.uvic.ca
David M. Weiss (co-chair)—Lucent Technologies, USA; weiss@bell-labs.com

Tutorials

Cail Kaiser (co-chair)—Columbia University, USA; kaiser@cs.columbia.edu
Paul Sorenson (co-chair)—University of Alberta, Canada; sorenson@cs.ualberta.ca
Alan Brown—Sterling Software, USA
Paul C. Clements—Software Engineering Institute, USA
Gregor Engels—University of Paderborn, Germany
Oscar Nierstrasz—University of Bern, Switzerland
Scott R. Tilley—University of California at Riverside, USA
Ursula Wolz—The College of New Jersey, USA

Workshops

Prem Devanbu (co-chair)—University of California at Davis, USA; devanbu@cs.ucdavis.edu
John Mylopoulos (co-chair)—University of Toronto, Canada; jm@cs.toronto.edu
Harald Gall—Technical University of Vienna, Austria
David Carlan—Carnegie Mellon University, USA
Roland Mittermeir—University of Klagenfurt, Austria
Frank Tip—IBM T.J. Watson Research Center, USA
Anneliese von Mayrhauser—Colorado State University, USA
Yelena Yesha—University of Maryland at Baltimore County, USA

Doctoral Symposium

Mary Lou Soffa (chair)—University of Pittsburgh, USA; soffa@cs.pitt.edu
Marsha Chechik—University of Toronto, Canada
Chris Marlin—Flinders University, Australia
Aditya Mathur—Purdue University, USA
Jeff Offutt—George Mason University, USA
Mary Shaw—Carnegie Mellon University, USA
Margaret-Anne Storey—University of Victoria, Canada

Research Demonstrations and Posters

Rudolf K. Keller (chair)—University of Montréal, Canada; keller@iro.umontreal.ca
Gerald Cannod—Arizona State University, USA
George T. Heineman—Worcester Polytechnic Institute, USA
Spencer Rugaber—Georgia Institute of Technology, USA
Eleni Stroulia—University of Alberta, Canada
Steve Woods—Quackware, Inc., USA

Exhibits and Tools Fair

Homy Dayani-Fard (co-chair)—IBM Toronto Laboratory, Canada; homy@ca.ibm.com
Kostas Kontogiannis (co-chair)—University of Waterloo, Canada; kostas@swen.uwaterloo.ca
Nicholas Graham—Queen's University, Canada
Bruno Laguë—Bell Canada, Canada
Spiros Mancoridis—Drexel University, USA
Melody Moore—Georgia Institute of Technology, USA
Giancarlo Succi—University of Alberta, Canada
Chris Verhoef—University of Amsterdam, The Netherlands

Publicity

Bashar Nuseibeh (co-chair)—Imperial College, UK; ban@doc.ic.ac.uk
Gabriel Silberman (co-chair)—IBM Toronto Laboratory, Canada; gabbys@ca.ibm.com
Victor R. Basili—University of Maryland, USA
Judith Bishop—University of Pretoria, South Africa
Elliot Chikofsky—META Group, USA
Aniello Cimitile—University of Naples, Italy
Peter Feiler—Software Engineering Institute, USA
Miguel Felder—University of Buenos Aires, Argentina
Michel Lemoine—ONERA CERT, France
Nikolai Mansurov—Institute for System Programming, Russia
Walcelio Melo—Catholic University of Brasilia, Brazil
Ettore Merlo—École Polytechnique de Montréal, Canada
Ali Mili—Institute for Software Research, USA
Václav Rajlich—Wayne State University, USA
Karl Reed—La Trobe University, Australia
Dieter Rombach—Fraunhofer IESE, Germany
Richard N. Taylor—University of California at Irvine, USA
Koji Torii—Nara Institute of Science and Technology, Japan
Will Tracz—Lockheed Martin Federal Systems, USA

Treasurer and Local Arrangements

Stephen Perelgut (chair)—IBM Toronto Laboratory, Canada; perelgut@ca.ibm.com

Student Volunteers

Mike Codfrey—University of Waterloo, Canada; migod@plg.uwaterloo.ca
Jens Jahnke—University of Victoria, Canada; jens@csr.uvic.ca

Documents and Web Site

Anatol W. Kark—National Research Council, Canada; Anatol.Kark@nrc.ca
Kenny Wong—University of Alberta, Canada; kenw@cs.ualberta.ca

Technical Papers

Technical papers should describe innovative and significant work in the research and practice of software engineering. The software engineering community consists of researchers and practitioners from many different disciplines and intellectual traditions. Technical papers report on a full range of topics relevant to this community, including software engineering principles, theories, techniques, tools, and empirical evaluations.

Abstracts due: August 14, 2000.

Papers due: August 28, 2000.

Case Study Reports

Case studies may be experience reports or exemplars. Experience reports give an account of a significant project accompanied by a critical review of the experience and a discussion of general lessons to be drawn from the experience. Exemplars describe the architecture of a system accompanied by a rationale for the key design decisions and should be organized so that the design can be used by other practitioners. Exemplars should exhibit significant examples of software architecture which can be used for study and insight.

Reports due: August 28, 2000.

Education Papers

Proper software engineering education and training can significantly improve the current state of software development and help eliminate some of the traditional problems associated with industrial practices. Pertinent themes include Ph.D. programs in software engineering, distance education and training in software engineering, and curriculum issues such as the SWEBOK project. Priority will be given to education papers that describe research and experiences in these themes.

Papers due: August 28, 2000.

Collocated and Special Events

Collocated events are related software engineering events occurring around the same week and location as ICSE. Special events are highlighted events that are integrated as part of the ICSE program.

Proposals due: August 28, 2000.

Invited Industry Presentations

ICSE 2001 will feature an industrial track with invited industry presentations to discuss leading-edge software technology in practice.

Tutorial Proposals

Tutorials provide conference participants with the opportunity to gain new insights, knowledge, and skills in a broad range of areas of software engineering. We are soliciting proposals for full-day (6-hour) or half-day (3-hour) tutorials. A tutorial can cover a wide range of topics, from practical techniques, guidelines, standards, and surveys, to theoretical issues. The topics are not limited to past ICSE tutorial offerings.

Proposals due: October 16, 2000.

Workshop Proposals

Workshops provide a forum for a group of (typically 25 to 40) participants to exchange opinions on topics in research and/or applications. Workshops are not alternative forums for full papers, which otherwise could be submitted as technical papers. Participation in a workshop typically depends on submitting a position statement by a deadline specified by the workshop organizers.

Proposals due: October 16, 2000.

Panel Proposals

Panel sessions serve to stimulate discussion about ideas and issues of importance to the software engineering community. Panels may emphasize complex technical issues, or they may provide an opportunity to air views and address controversies through informed debate. Suitable topics for discussion include pressing issues in software engineering theory and practice, emerging trends and enabling technologies, and professional, organizational, and social issues associated with software engineering.

Proposals due: October 16, 2000.

Doctoral Symposium Applications

The doctoral symposium is a forum for Ph.D. students to present and discuss their research objectives, methods, and preliminary results at an early enough stage to allow useful guidance in completing their dissertation and initiating research careers. Students will interact with and receive useful guidance from established researchers and other attendees in the broad software engineering community. Students should consider participating in the doctoral symposium at least six months before completion of their dissertation, but after having settled on a research area or thesis topic.

Applications due: October 16, 2000.

Formal Research Demos

Formal research demonstrations enable conference participants to view research systems in action and to discuss the systems with the people who created them. These formal demonstrations are intended to show early, non-commercial implementations of novel software engineering concepts. These demonstrations are suitable for mature presentations that can be communicated effectively to a large audience using projection technology. In addition, formal demonstrations are required to display a poster or present their system in the exhibits area.

Proposals due: October 16, 2000.

Posters and Informal Demos

Posters and informal research demonstrations are displayed in the exhibits area and provide the opportunity to exhibit late-breaking results and to discuss these results with conference participants. Informal demonstrations can also be used by presenters who think that their work may be more effectively presented to a small audience.

Proposals due: October 16, 2000.

Exhibit Proposals

ICSE 2001 will provide a hall for commercial exhibits, to feature leading companies offering software engineering capabilities and tools, education and training, books and journals, and consulting services.

Proposals due: January 8, 2001.

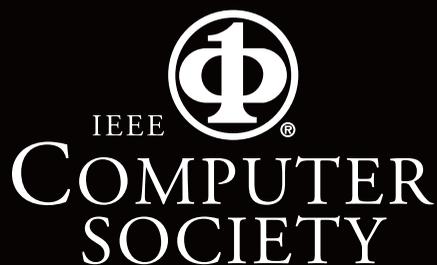
Student Volunteer Applications

The student volunteer program is an exciting opportunity for students from around the world to associate with the top researchers and practitioners in software engineering. In return for about ten hours of their time, student volunteers receive a complimentary registration and other benefits. In the past, volunteers helped as reporters for the ICSE Window on the World (WOW) daily newsletter and assisted the organizers with running the conference smoothly. Student volunteers need to be enrolled in a full-time undergraduate or graduate program at the time of the conference.

Applications due: By early registration.

For more information, including submission details, refer to the ICSE 2001 web site. Submit technical papers, case study reports, and education papers electronically via this web site.

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TCSE

Technical Council on
Software Engineering



Association for
Computing
Machinery



Conference Hotel

The conference will be held entirely within the Westin Harbour Castle Hotel Complex and Conference Center. This beautiful hotel property is situated directly on the lakefront overlooking Lake Ontario. It is also located just a few blocks away from the heart of downtown Toronto, which abounds in restaurants, theaters, shopping, and other activities.

Westin Harbour Castle Hotel
One Harbour Square
Toronto, Ontario, Canada
M5J 1A6
Voice: +1-416-869-1600
Fax: +1-416-869-0573

Contact Information

ICSE 2001
Department of Computer Science
University of Victoria
EOW Room 337
P.O. Box 3055 STN CSC
Victoria, BC, Canada
V8W 3P6
Voice: +1-250-721-7630
Fax: +1-250-721-7292
E-mail: icse2001@csr.uvic.ca

City of Toronto

Toronto is an exciting, vibrant, cosmopolitan city with a wonderful network of parks, recreational, and cultural facilities. Toronto is the home of four professional sports teams and the third largest English-speaking theatre district in the world, behind New York and London. One of the world's most ethnically diverse cities, it is home to more than 80 ethnic communities from Africa, Asia, and Europe.

Toronto is Canada's largest city, serving as Canada's cultural, financial, and transportation hub.

Many international carriers provide direct flights to Toronto from major cities in North and South America, Europe, the Orient, and the Pacific Rim.

Toronto is home to the CN Tower, the world's tallest free standing structure; two-time World Champion Blue Jays baseball team; SkyDome, the world's first retractable roof stadium; Ontario Place, which features the first permanent giant-screen IMAX theatre, a Canadian invention; and is near the Niagara region featuring Niagara Falls.



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