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# 31st INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING®

## VANCOUVER, CANADA

### 16-24 MAY 2009



<http://www.cs.uoregon.edu/events/icse2009>

The International Conference on Software Engineering (ICSE) is the premier software engineering conference, providing a forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, experiences and concerns in the field of software engineering.

#### LOCATION

ICSE 2009 will be held in Vancouver, a beautiful city on the west coast of Canada next to the Pacific Ocean and the coastal mountains. Attractions include a vibrant downtown area and ample sporting opportunities including sailing and hiking.

**GENERAL CHAIR** Stephen Fickas,  
University of Oregon, USA. [fickas@cs.uoregon.edu](mailto:fickas@cs.uoregon.edu)

**PROGRAM COMMITTEE CO-CHAIRS**  
Jo Atlee, University of Waterloo, Canada;  
Paola Inverardi, University of Aquila, Italy

**WORKSHOPS**  
Luciano Baresi, Italy; Victor Braberman, Argentina.

**TUTORIALS**  
Elisa Baniassad, Hong Kong;  
Steven Fraser, USA; Anthony Finkelstein, UK.

**DOCTORAL CONSORTIUM**  
David Notkin, USA; Marian Petre, UK.

**INDUSTRIAL TRACK**  
Philippe Kruchten, Canada; Frances Paulisch, Germany.

**CONFERENCE EXPERIENCE**  
David Notkin, USA; Michal Young, USA.

**LOCAL ORGANIZATION & HOTEL**  
Dirk Beyer, Canada; Dan Hoffman, Canada.

**MENTORING** Gail Murphy, Canada.

**NEW IDEAS AND EMERGING RESULTS**  
Harald C. Gall, Switzerland; Alessandro Orso, USA.

**PUBLICATIONS** Ladan Tahvildari, Canada.

**PUBLICITY** João Araújo, Portugal; Jane Cleland-Huang, USA.

**RESEARCH DEMOS** Bernd Fischer, UK;  
Yannis Smaragdakis, USA.

**SCORE (STUDENT CONTEST ON SOFTWARE ENGINEERING)**  
Mehdi Jazayeri, Switzerland; Dino Mandrioli, Italy.

**WEBSITE** Anthony Wittig, USA.

**CONFERENCE SPONSORSHIP**  
Hausi Müller, Canada; Paul Sorenson, Canada.

**TECHNICAL PROGRAM COMMITTEE**

Lionel Briand	Volker Gruhn	Massimiliano Di Penta
Marsha Chechik	John Grundy	Mauro Pezzè
Betty H.C. Cheng	Tibor Gyimóthy	Gian Pietro Picco
S.C. Cheung	Andre van der Hoek	Klaus Pohl
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Robert DeLine	Jean-Marc Jézéquel	Barbara G. Ryder
Prem Devanbu	Jeffrey Kramer	Margaret-Anne Storey
Laura K. Dillon	Axel van Lamsveerde	Zhendong Su
Matthew B. Dwyer	Nenad Medvidovic	Frank Tip
Steve Easterbrook	Elisabetta Di Nitto	Sebastian Uchitel
Sebastian Elbaum	Harrold Ossher	Claes Wohlin
Wolfgang Emmerich	Corina Pasareanu	Alexander L. Wolf
Kokichi Futatsugi		Jian Zhang
Holger Giese		

We invite high quality submissions describing original unpublished research results, case studies, and empirical studies. Submissions of papers describing groundbreaking approaches to emerging problems will be considered based on timeliness and potential impact. Incremental improvements over previously published work are expected to be evaluated through rigorous analyses, empirical studies, or experiments. Topics of interest include, but are not limited to the following:

- |                                   |   |
|-----------------------------------|---|
| Requirements Engineering          | Development Paradigms and Software Processes  |
| Specification and Verification    | Computer-supported Cooperative Work           |
| Software Architecture and Design  | Component-based, Aspect-oriented, and         |
| Patterns and Frameworks           | Service-oriented Software Engineering         |
| Analysis and Testing              | Context-Specific and Self-Managing Systems    |
| Reverse Engineering, Refactoring, | Distributed Systems and Middleware            |
| and Evolution                     | Mobile and Embedded Systems                   |
| Software Economics                | Open Standards and Certification              |
| Model Driven Engineering          | Program Comprehension and Visualization       |
| Tools and Environments            | Software Configuration and Deployment         |
| Empirical Software Engineering    | Dependability (safety, security, reliability) |
| Software Metrics                  | Case Studies and Experience Reports           |

### ICSE 2009 Highlights

**Mentoring Program.** This new program enables prospective submitters to the research track to gain advice from past ICSE authors on the structure and content of a prospective submission.

**Software Engineering in Practice Track** invites submissions from practitioners and academics, who may pose problems, relate success or failure stories, or report on industrial practice.

**New Ideas and Emerging Results.** This track provides a forum for presenting and getting early feedback on novel research ideas and promising work that has not yet been fully evaluated.

**Research Demo Track.** Early implementations of tool support for novel and innovative software engineering techniques and processes.

**Mini-Tutorials.** Invited speakers will provide both strategic and technical briefings of areas of importance to software engineers.

**Co-located events.** ICPC (International Conference on Program Comprehension), VISSOFT (International Workshop on Visualization for Software Engineering), MSR (Mining Software Repositories)

**Workshops** provide opportunities for exchanging views, advancing ideas, and discussing preliminary results.

**Tutorials** offer detailed presentations on the latest trends in software engineering research and practice.

**Doctoral Symposium.** This provides a forum for Ph.D. students to present their research and get feedback from software-engineering researchers.

**SCORE** is an undergraduate and graduate software-engineering contest whose finals will be presented at ICSE 2009.

### Important Dates

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|----------------------------------|-------------------------|
| Request for Mentor               | NOW until June 30, 2008 |
| Research Abstracts               | Aug. 29, 2008           |
| Research Papers                  | Sept. 5, 2008           |
| Software Engineering in Practice | Oct. 10, 2008           |
| SCORE                            | NOW until Nov. 30, 2008 |
| Workshop and Tutorial proposals  | Sept. 15, 2008          |
| Research Demonstrations          | Nov. 24, 2008           |
| Emerging Results Track           | Dec. 5, 2008            |
| Doctoral Symposium               | Dec. 12, 2008           |

