



# ICSE 2012

June 2-9, 2012  
Zurich • Switzerland



34th International Conference on Software Engineering

<http://www.icse2012.org>

## Conference Organization

### General Chair

Martin Glinz, University of Zurich

### Program Co-Chairs

Gail Murphy, University of British Columbia, Canada  
Mauro Pezzè, University of Lugano, Switzerland and University of Milano Bicocca, Italy

### Workshops

Alex Orso, Georgia Institute of Technology, USA  
Ralf Reussner, KIT, Germany

### Tutorials

Andreas Leitner, Google, Switzerland  
Oscar Nierstrasz, University of Bern, Switzerland

### Formal Research Demonstrations

Shing-Chi Cheung, Hong Kong Univ. of Sci. and Techn., China  
Michele Lanza, University of Lugano, Switzerland

### Posters, Informal Demonstrations

Martin Pinzger, TU Delft, The Netherlands  
Gabriele Taentzer, Philipps-University Marburg, Germany

### Doctoral Symposium

Daniela Damian, University of Victoria, Canada  
Andreas Zeller, Saarland University, Germany

### Industrial Practice and Experience

Wolfgang Emmerich, Zühlke Engineering, UK  
Michael Whalen, University of Minnesota, Minneapolis, USA

### Software Engineering Education

Jochen Ludewig, University of Stuttgart, Germany  
Hausi Müller, University of Victoria, Canada

### New Ideas and Emerging Results

Antonia Bertolino, ISTI-CNR, Italy  
Alex Wolf, Imperial College, UK

### Software Engineering Horizons

Harald Gall, University of Zurich, Switzerland  
Paola Inverardi, University of Aquila, Italy

### New Faculty Symposium

Martin Robillard, McGill University, Canada  
Wilhelm Schäfer, University of Paderborn, Germany

### Mentoring

Laurie Dillon, Michigan State University, USA  
Tetsuo Tamai, University of Tokyo, Japan

### Student Volunteers

Nelly Bencomo, Lancaster University, UK  
Peter Müller, ETHZ, Switzerland

### ACM Student Contest

Laurie Williams, North Carolina State University, USA

### Most Influential Paper Award

Jeff Magee, Imperial College, UK

### Program Coordination

Norbert Seyff, University of Zurich, Switzerland

### Exhibition

TBA

### Proceedings

Kurt Schneider, University of Hannover, Germany

### Publications

Patrick Mäder, University of Linz, Austria

### Publicity

Samuel Fricker, Blekinge Institute of Technology, Sweden

### Social Media

Adrian Kuhn, University of Bern, Switzerland

### Treasurer

Bruno Kaiser, adNovum, Switzerland

### Local Organization

Evelyne Berger, Cédric Jeanneret, Dustin Wüest,  
TBA (University of Zurich, Switzerland)

# Welcome to ICSE 2012

## Sustainable Software for a Sustainable World

The world's demand for software has become so huge that it can only be satisfied by building sustainable software. Conversely, a sustainable world needs more software than ever. Providing this software entails major challenges and opportunities for software engineering research and practice. Let's rise to this challenge!

ICSE, the International Conference on Software Engineering, 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 issues in the field of software engineering.

We welcome you to come to ICSE 2012 in Zurich, a venue in the heart of Europe which is both beautiful and easily reachable from everywhere in the world. Make ICSE 2012 a highlight of your year by participating in this exciting conference and by exploring the thrill of landscape, culture, shopping, and life in Zurich.

## Call for Papers and Proposals

We invite high quality submissions of papers describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all topics of Software Engineering. Technical research paper submissions may range from novel technical results to scientific evaluations of existing problems or research results. Submissions describing groundbreaking approaches to emerging problems will be considered based on timeliness and potential impact.

ICSE 2012 accepts submissions in the following categories:

- Technical Research Papers
- Industrial Practice and Experience Papers
- Software Engineering Education Papers
- Formal Research Demonstrations
- New Ideas and Emerging Results

We also invite proposals for *tutorials* and *workshops*, submissions to the *doctoral symposium*, and submissions of *posters* and *informal demonstrations*.

For details, please visit the conference web pages at <http://www.icse2012.org>.

## Conference Sponsors



University of Zurich  
UZH

Department of Informatics



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## Program Committee

### Program Co-Chairs

Gail Murphy, University of British Columbia, Canada  
Mauro Pezzè, University of Lugano, Switzerland and University of Milano Bicocca, Italy

### Program Committee Members

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Zhendong Su, University of California Davis, USA  
Paolo Tonella, Fondazione Bruno Kessler, Italy  
Andre van der Hoek, University of California Irvine, USA  
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Axel van Lamsweerde, University of Louvain, Belgium  
Willem Visser, Stellenbosch University, South Africa  
Laurie Williams, North Carolina State University, USA  
Yun Yang, Swinburne University of Technology, Australia  
Andrea Zisman, City University, UK

<http://www.icse2012.org>

## How to Submit

Submissions will be handled electronically at the ICSE 2012 web site. All submissions must conform to the submission instructions given on the conference web pages. Non-conforming submissions will be desk-rejected without review.

## Evaluation

Submissions will be evaluated on the basis of originality, contribution, soundness, evaluation, quality of presentation and appropriate comparison to related work.

## Proceedings

Accepted papers will be published in the ICSE 2012 electronic conference proceedings and in the digital libraries of ACM and IEEE. Printed proceedings will be available on demand.

## Mentoring

The ICSE mentoring program enables prospective submitters of technical research papers to gain advice on the structure and content of a proposed submission. This program is available to persons who have not yet published a technical research paper at ICSE. Mentoring can be requested from now until July 31, 2011.

## Spread the Word

Help us publicize ICSE 2012! Download ICSE 2012 publicity materials from our web site and distribute them in your network of contacts. Include a link to the ICSE 2012 web site on your web pages. Join us on Facebook or follow us on Twitter #icse2012.

## Important Dates

Sep 29, 2011	Technical research papers
Oct 27, 2011	Industrial papers · Software Engineering education papers · Formal demonstrations · Workshop proposals · Tutorial proposals
Dec 1, 2011	New ideas and emerging results papers · Doctoral symposium submissions
Feb 17, 2012	Workshop papers · Posters · Informal demonstrations
Jun 2–9, 2012	Conference

