38th International Conference on Software Engineering

Conference Organization

General Chair
Laura Dillon, Michigan State Univ., USA
Program Co-Chairs
Willem Visser, Stellenbosch Univ., South Africa
Laurie Williams, North Carolina State Univ., USA
Deputy Chair
William G.J. Halfond, Univ. of Southern California, USA
Workshop Co-Chairs
Mauro Pezze, Univ. of Lugano, Switzerland
Marija Mikić, Google, USA
Technical Briefings Co-Chairs
Lori Clarke, Univ. of Massachusetts, Amherst, USA
Carlo Ghezzi, Politecnico di Milano, Italy
Software Engineering in Practice Co-Chairs
Tao Xie, Univ. of Illinois at Urbana-Champaign, USA
Dongmei Zhang, Microsoft Research, China
Software Engineering Education and Training Co-Chairs
Dewayne Perry, Univ. of Texas, Austin, USA
Janet Burge, Wesleyan Univ., USA
Software Engineering in Society Co-Chairs
Grace Lewis, Carnegie Mellon Software Engineering Institute, USA
Anthony Finkelstein, Univ. College, London, UK
Visions of 2025 and Beyond Co-Chairs
Gail Murphy, Univ. of British Columbia, Canada
David Rosenblum, National Univ. of Singapore, Singapore
New Faculty Symposium Co-Chairs
Margaret Burnett, Oregon State Univ., USA
Moonzoo Kim, KAIST, Republic of Korea
Doctoral Symposium Co-Chairs
Jim Jones, Univ. of California, Irvine, USA
Ita Richardson, Lero, Univ. of Limerick, Ireland
ICSE N-10 MIP Chair
Mary Lou Soffa, Univ. of Virginia, USA
Demonstrations Co-Chairs
Aditya Nori, Microsoft Research, India
Yuanfang Cai, Drexel Univ., USA
Posters Co-Chairs
Dimitra Giannakopoulou, NASA Ames Research Center, USA
James Clause, Univ. of Delaware, USA
Student Contest on Software Engineering Co-Chairs
Jonathan Cook, New Mexico State Univ., USA
Carlo Alberto Furia, ETH Zürich, Switzerland
ACM Student Research Competition Co-Chairs
Thorna Humphries, Norfolk State Univ., USA
Renee Bryce, Univ. of North Texas, USA
Video Contest Chair
Tien Nguyen, Iowa State Univ., USA
Finance Chair
Will Tracz, ACM SIGSOFT Chair, USA
Student Volunteers Co-Chairs
Miryung Kim, Univ. of California, Los Angeles, USA
Christoph Csallner, Univ. of Texas, Arlington, USA
Registration Chair
Mike Wing, CritterScape, USA
Proceedings Chair
Charles Zhang, Hong Kong Univ. of Science and Tech, China
Publications Chair
Hazeline Asuncion, Univ. of Washington, Bothell, USA
Awards Chair
Atif Memon, Univ. of Maryland, College Park, USA
Publicity Co-Chairs
Frances Paulisch, Siemens AG, Germany
Rafael Prikladnicki, Pontifícia Univ. Católica do Rio Grande do Sul, Brazil
Social Networking Chair
Felienne Hermans, Delft Univ. of Technology, The Netherlands
Local Arrangements Co-Chairs
Jianwei Niu, Univ. of Texas, San Antonio, USA
Camron Malik, Chair of IEEE Computer Society - Austin, USA
Web Co-Chairs
Rodion Podorozhny, Texas State Univ., USA
Guowei Yang, Texas State Univ., USA
ACM Liaison
Farrah Khan, ACM, USA

ICSE 2016 Call for Submissions

The International Conference on Software Engineering brings together researchers and practitioners from around the world for a week of presentations and discussion around leading innovations, trends, outcomes, and experiences in software engineering. A quarter-century after the first ICSE in Austin, ICSE 2016 continues the tradition of the past, fostering transformative advances in research and practice through free exchange of ideas and collaboration.

We invite you to help shape ICSE 2016 through submission to one or more of our many tracks for professional engagement. In particular, organizers welcome submission of technical research papers; proposals for technical briefings in emerging areas; practice and experience papers; education papers; vision papers: predicting novel future challenges for 2025 and beyond, or proposing solutions to such challenges; proposals for topical workshops; doctoral student research prospectuses, posters, and formal demonstrations.

The technical research track invites high quality submissions of papers, describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work, in all areas of software engineering. See the conference website for guidelines in all submission categories.

Important Dates

Aug 28, 2015	Technical research papers
Oct 10, 2015	Workshop proposals
Oct 23, 2015	Software Engineering in Practice ◆ Software Engineering Education and Training ◆ Software Engineering in Society ◆ Visions of 2025 and Beyond
Nov 20, 2015	Doctoral Symposium ◆ ACM Student Research Competition ◆ Formal Demonstrations ◆ Technical briefing proposals
Jan 13, 2016	Posters

Mark your calendars and join us to make the 38th ICSE one for the record books. As the saying goes, *"Everything is bigger in Texas!"*

ICSE 2016 Sponsors

IEEE computer society
tcse IEEE Technical Council on Software Engineering
SIGSOFT
acm Association for Computing Machinery

ICSE 2016 Benefactors Include

Google
MICHIGAN STATE UNIVERSITY
Microsoft
SIEMENS
accenture High performance. Delivered.
FUJITSU
IBM Research
Tasktop
TATA CONSULTANCY SERVICES

Program Board

Yuriy Brun, Univ. of Massachusetts, Amherst, USA
Gerardo Canfora, Univ. of Sannio, Italy
Betty Cheng, Univ. of Michigan, USA
Vittorio Cortellessa, Univ. dell'Aquila, Italy
Daniela Damian, Univ. of Victoria, Canada
Premkumar Devanbu, UC Davis, USA
Sebastian Elbaum, Univ. of Nebraska - Lincoln, USA
Bernd Fischer, Stellenbosch Univ., South Africa
Marcelo Frias, Buenos Aires Institute of Tech., Argentina
Mark Harman, Univ. College London, UK
Christine Julien, The Univ. of Texas at Austin, USA
Natalia Juristo, Univ. Politecnica de Madrid, Spain
Moonzoo Kim, KAIST, South Korea
Sung Kim, Hong Kong Univ. of Science and Tech., China
Miryung Kim, Univ. of California, Los Angeles, USA
Nenad Medvidovic, Univ. of Southern California, USA
Gail Murphy, Univ. of British Columbia, Canada
Emerson Murphy-Hill, North Carolina State Univ., USA
Nachiappan Nagappan, Microsoft Research, USA
Alessandro Orso, Georgia Institute of Tech., USA
Corina Pasareanu, CMU/NASA Ames, USA
Martin Robillard, McGill Univ., Canada
Per Runeson, Lund Univ., Sweden
Caitlin Sadowski, Google, USA
Anita Sarma, Univ. of Nebraska, Lincoln, USA
Arie van Deursen, Delft Univ. of Tech., Netherlands
Michael W. Whalen, Univ. of Minnesota, USA
Andreas Zeller, Saarland Univ., Germany

Proceedings

Accepted papers will be published in the ICSE 2016 conference or conference companion proceedings and in the digital libraries of ACM and IEEE Computer Society. The official publication date is the date the proceedings are made available in the ACM Digital Library. This date may be up to two weeks prior to the first day of ICSE 2016. The official publication date affects the deadline for any patent filings related to the published work.

SIGSOFT CAPS Program

The SIGSOFT CAPS program allows financial assistance to help students and qualifying professional members with the cost of attending SIGSOFT-sponsored conferences and workshops. This program offers three distinct services to support conference attendance:

- CAPS-GRAD: Travel support for graduate students (open to SIGSOFT student members).
- CAPS-UG: Travel support for undergraduate students (open to non-members).
- CAPS-KIDS: Travel support to help defray cost of childcare (open to SIGSOFT student and professional members).

"New Austin" in the Texas State Capital

Austin has become a hub for technology, entrepreneurship, music, and recreation. ICSE 2016 will be in the Austin Arboretum Area—dubbed "New Austin"— and at the peak of the Texas wildflower season. It will be an ideal setting for flourishing new ideas in software engineering.

While you are here, check out some of the sights and sounds of Austin. Whether you like to visit museums, view historical sights, or take tours, there is something for everyone. For more information on the area, visit: http://www.austintexas.org/visit/discover/

Program Committee

Sven Apel, Univ. of Passau, Germany
Muhammad Ali Babar, Univ. of Adelaide, Australia
Alberto Bacchelli, Delft Univ. of Tech., Netherlands
Thomas Ball, Microsoft Research, USA
Earl Barr, UCL, UK
Benoit Baudry, INRIA, France
Ayse Bener, Ryerson Univ., Canada
Daniel Berry, Univ. of Waterloo, Canada
Ivan Beschastnikh, Univ. of British Columbia, Canada
Stefan Biffl, Vienna Univ. of Tech., Austria
Chris Bird, Microsoft Research, USA
Eric Bodden, Fraunhofer SIT & Tech. Univ. Darmstadt, Germany
Victor Braberman, Univ. De Buenos Aires/CONICET, Argentina
Tevfik Bultan, Univ. of California, Santa Barbara, USA
Cristian Cadar, Imperial College London, UK
Jeff Carver, Univ. of Alabama, USA
Shing-chi Cheung, Hong Kong Univ. of Science and Tech., China
James Clause, Univ. of Delaware, USA
Lucas Cordeiro, Federal Univ. of Amazonas, Brazil
Christoph Csallner, Univ. of Texas at Arlington, USA
Massimiliano Di Penta, Univ. of Sannio, Italy
Tore Dyba, SINTEF, Norway
Michael Ernst, Univ. of Washington, USA
Antonio Filieri, Univ. of Stuttgart, Germany
Gordon Fraser, Univ. of Sheffield, UK
Thomas Fritz, Univ. of Zurich, Switzerland
Harald Gall, Univ. of Zurich, Switzerland
Alessandro Garcia, Pontifical Catholic Univ. Rio de Janeiro, Brazil
David Garlan, Carnegie Mellon, USA
Jaco Geldenhuys, Stellenbosch Univ., South Africa
Mark Grechanik, Univ. of Illinois at Chicago, USA
John Grundy, Swinburne Univ. of Tech., Australia
Stefan Gruner, Univ. of Pretoria, South Africa
Paul Grunbacher, Johannes Kepler Univ. Linz, Austria
William Halfond, Univ. of Southern California, USA
Felienne Hermans, Delft Univ. of Tech., Netherlands
Reid Holmes, Univ. of Waterloo, Canada
John Hosking, Univ. of Auckland, New Zealand
Sun Jun, Singapore Univ. of Tech. & Design, Singapore
Andrew Ko, Univ. of Washington, USA
Lucas Layman, Fraunhofer CESE, USA
Wei Le, Iowa State, USA
Claire Le Goues, Carnegie Mellon, USA
David Lo, Singapore Management Univ., Singapore
Robyn Lutz, Iowa State, USA
Leonardo Mariani, Univ. of Milan Bicocca, Italy
Fabio Massacci, Univ. of Trento, Italy
Phil McMinn, Univ. of Sheffield, UK
Nancy Mead, Carnegie Mellon, USA
Atif Memon, Univ. of Maryland, USA
Andy Meneely, Rochester Institute of Tech., USA
Tim Menzies, North Carolina State Univ., USA
Ali Mesbah, Univ. of British Columbia, Canada
Maurizio Morisio, Politecnico di Torino, Italy
Henry Muccini, Univ. of L'Aquila, Italy
Hausi Muller, Univ. of Victoria, Canada
Brendan Murphy, Microsoft Research, UK
Meiyappan Nagappan, Rochester Institute of Tech., USA
Tien Nguyen, Iowa State Univ., USA
Linda Northrop, SE Institute, Carnegie Mellon, USA
Bashar Nuseibeh, The Open Univ. (UK) & Lero (Ireland), UK
Amit Paradkar, IBM Research, USA
Gennaro Parlato, Univ. of Southampton, UK
Chris Parnin, North Carolina State Univ., USA
Charles Pecheur, Univ. Catholique de Louvain, Belgium
Patrizio Pelliccione, Univ. of Gothenburg, Sweden
Suzette Person, NASA Langley Research Center, USA
Dan Port, Univ. of Hawaii, USA
Denys Poshyvanyk, The College of William and Mary, USA
Lutz Prechelt, Freie Univ. Berlin, Germany
John Regehr, Univ. of Utah, USA
Brian Robinson, ABB, USA
Pete Rotella, Cisco, USA
Abhik Roychoudhury, National Univ. of Singapore, Singapore
Neha Rungta, SGT/NASA Ames Research Center, USA
Walt Scacchi, Univ. of California, Irvine, USA
Helen Sharp, The Open Univ., UK
Saurabh Sinha, IBM Research India, India
Kathryn Stolee, Iowa State, USA
Neeraj Suri, Technische Univ. Darmstadt, Germany
Paolo Tonella, Fondazione Bruno Kessler, Italy
Guilherme Travassos, UFRJ/COPPE, Brazil
Stefan Wagner, Univ. of Stuttgart, Germany
Chao Wang, Virginia Tech, USA
Tao Xie, Univ. of Illinois at Urbana-Champaign, USA
Yun Yang, Swinburne Univ. of Tech., Australia
Dongmei Zhang, Microsoft Research, China
Thomas Zimmermann, Microsoft Research, USA
Andrea Zisman, The Open Univ., UK