



25th International Conference on Supercomputing

May 31 - June 4, 2011

Loews Ventana Canyon Resort, Tucson,
Arizona, USA

Sponsored by ACM/SIGARCH

<http://www.ics-conference.org/>

Program Committee

Tor Aamodt	University of British Columbia
Nancy M. Amato	Texas A&M University
Dorian C. Arnold	University of New Mexico
Sandro Bartolini	Università degli Studi di Siena
Taisuke Boku	University of Tsukuba
David Brooks	Harvard University
Alfredo Buttari	Institut de Recherche en Informatique de Toulouse
Gregory T. Byrd	North Carolina State University
John Carter	IBM
Jacqueline Chame	ISI, University of Southern California
Almadena Chitchekanova	National Science Foundation
Jaewoong Chung	AMD
Marcelo Cintra	University of Edinburgh
Jesus Corbal	Intel
Luiz De Rose	Cray, Inc.
James Dehnert	Google
Evelyn Duesterwald	IBM
Alejandro Duran	Barcelona Supercomputing Center
Rudolf Eigenmann	Purdue University
Babak Falsafi	Ecole Polytechnique Federale de Lausanne
Diana Franklin	University of California at Santa Barbara
Todd Gamblin	Lawrence Livermore National Laboratory
Ada Gavrilovska	Georgia Institute of Technology
Roberto Gioiosa	Barcelona Supercomputing Center
Maya Gokhale	Lawrence Livermore National Laboratory
Ganesh Gopalakrishnan	University of Utah
William D. Gropp	University of Illinois Urbana-Champaign
Mary Hall	University of Utah
Torsten Hoefler	University of Illinois at Urbana-Champaign
Jeffrey K. Hollingsworth	University of Maryland
Mary Jane Irwin	Pennsylvania State University
Canturk Isci	IBM
Natalie Enright Jerger	University of Toronto
Lizy John	University of Texas at Austin
Russ Joseph	Northwestern University
Zhiling Lan	Illinois Institute of Technology
Benjamin C. Lee	Duke University
Richard Lethin	Reservoir Labs, Inc. and Yale University
Gabriel H. Loh	Georgia Institute of Technology and AMD
Sonia Lopez Alarcon	Rochester Institute of Technology
Naoya Maruyama	Tokyo Institute of Technology
Shirley Moore	University of Tennessee
Tali Moreshet	Swarthmore College
Matthias S. Mueller	Dresden University of Technology
Yang Ni	Intel
Dimitrios Nikolopoulos	FORTH-ICS and University of Crete
Boyana Norris	Argonne National Laboratory
Daniel Ortega	Intel
Padma Raghavan	Pennsylvania State University
Steven K. Reinhardt	AMD
Suzanne Rivoire	Sonoma State University
Philip C. Roth	Oak Ridge National Laboratory
Valentina Salapura	IBM
Martin Schulz	Lawrence Livermore National Laboratory
Kelly A. Shaw	University of Richmond
Magnus Sjalander	Chalmers University of Technology
Kevin Skadron	University of Virginia
Lauren L. Smith	US Department of Defense
Allan Snaveley	San Diego Supercomputer Center
Karin Strauss	Microsoft Research
Nathan Tallent	Rice University
Valerie Taylor	Texas A&M University
Patricia J. Teller	University of Texas at El Paso
Rajeev Thakur	Argonne National Laboratory
Gary Tyson	Florida State University
Thomas F. Wenisch	University of Michigan
Patrick Widener	Emory University
Qing Yi	University of Texas at San Antonio
Mohamed Zahran	CUNY/NYU
Lixin Zhang	Institute of Computing Technology, Beijing

Organizing Committee

General Chair	David K. Lowenthal University of Arizona
Program Committee Co-Chairs	Bronis R. de Supinski Lawrence Livermore National Laboratory Sally A. McKee Chalmers University of Technology
Vice Chair	Martin Schulz Lawrence Livermore National Laboratory
Local Arrangement Chair	Chris Gniady University of Arizona
Local Arrangement Chair (PC Meeting)	Boyana Norris Argonne National Laboratory
Finance Chair	Vince Freeh North Carolina State University
Publication Chair	Daniele Scarpazza D. E. Shaw Research
Publicity Co-Chairs	Kirk Cameron Virginia Tech Bernd Mohr Juelich Supercomputing Centre
Student Travel Grants Chair	Arun Chauhan Indiana University
Web and Submissions Chair	Barry Rountree Lawrence Livermore National Laboratory
Posters Co-Chairs	Anne Bracy Washington University in St. Louis Shan Lu University of Wisconsin
Registration Chair	Daniel A. Faraj IBM
Industry Chair	Wu Feng Virginia Tech
Workshops/Tutorials Chair	Xipeng Shen College of William and Mary

Call for Posters and Participation in ACM Student Research Competition

Submission Deadline: March 15, 2011

Notification Deadline: March 31, 2011

The International Conference on Supercomputing (ICS) invites submissions of high-quality posters. The poster session is intended to showcase unpublished work in progress in the topics covered by ICS. The titles, abstracts, and authors of accepted posters will be listed in the conference proceedings. Eligible student posters will be also included into the ACM Student Research Competition (SRC).

General Submission Requirements

All poster participants must submit the following information:

- The title of the poster and a list of author names, affiliations, and the name of the academic advisor if it is a student poster.
- An up to 100-word **camera-ready** abstract of the poster.
- A separate, up to 800-word description outlining the content of the poster. Describe the research problem, motivation and background, techniques and results, and the prospect for clearly and concisely conveying the work in a poster format. Emphasize the novel contributions of the work explicitly.
- Indicate the eligibility for SRC of your poster and whether you are an undergraduate or graduate student. Entering the SRC is optional. Competition-eligible posters must be authored solely by an ACM student member, with student status as of March 15, 2011.

A panel of experts will evaluate the submissions based on novelty of approach, significance of contribution, and quality of work.

ACM Student Research Competition (SRC)

Sponsored by ACM and Microsoft Research, the SRC is a forum for students to share research results, exchange ideas, and improve their communication skills while competing for prizes. Students accepted to participate in the SRC are entitled to a travel grant (up to \$500) to help cover travel expenses. The top 3 undergraduate and graduate winners will receive the following prizes:

- Monetary prizes of \$500, \$300, and \$200, respectively.
- A 2-year ACM membership with ACM Digital Library subscription.
- Winners' names & abstracts will be posted on ACM's SRC web site.
- An invitation to the SRC Grand Finals, an online competition among the winners of conference-hosted SRCs. The top three graduate and undergraduate Grand Finalists will receive an additional \$500, \$300 and \$200, respectively. Grand Finalists and their advisors will be invited to the ACM awards Banquet, to be recognized along with other prestigious ACM award winners, including the Turing Award Winner.

The SRC consists of 2 rounds: a poster session and a presentation session. A panel of judges will select a number of finalists from the poster session, who will be invited to the presentation session at ICS'11 to compete for the prizes. Evaluation will concentrate on the quality of the visual and oral presentation, research methods, and the significance of the contribution.