



# CALL FOR STUDENT RESEARCH ABSTRACTS

The 29<sup>th</sup> ACM Symposium on Applied Computing

March 24 – 28, 2014, Gyeongju, Korea

<http://www.acm.org/conferences/sac/sac2014/>

#### Conference Honorarium Chair

Yookun Cho  
Seoul National University, Korea  
[ykcho@snu.ac.kr](mailto:ykcho@snu.ac.kr)

#### Program Honorarium Chair

Sangwook Kim  
Kyungpook National University, Korea  
[kimsw@knu.ac.kr](mailto:kimsw@knu.ac.kr)

#### Government/Industry Liaison

Ho-Sang Kim  
ETRI, Korea  
[hsham@etri.re.kr](mailto:hsham@etri.re.kr)

#### Program Co-Chairs

Chih-Cheng Hung  
Southern Poly. State University, USA  
[chung@spsu.edu](mailto:chung@spsu.edu)

#### Jiman Hong

Soongsil University, Korea  
[jiman@ssu.ac.kr](mailto:jiman@ssu.ac.kr)

#### Tutorials Chair

Tei-Wei Kuo  
National Taiwan University, Taiwan  
[tw@csie.ntu.edu.tw](mailto:tw@csie.ntu.edu.tw)

#### Posters Chair

Soon Ki Jung  
Kyungpook National University, Korea  
[skjung@knu.ac.kr](mailto:skjung@knu.ac.kr)

#### Publication Chair

Dongwan Shin  
New Mexico Tech, USA  
[doshin@nmt.edu](mailto:doshin@nmt.edu)

#### Local Arrangement Co-Chairs

Jeongyong Byun  
Dongguk University, Korea  
[byunij@dongguk.ac.kr](mailto:byunij@dongguk.ac.kr)

#### Dongkyun Kim

Kyungpook University, Korea  
[dongkyun@knu.ac.kr](mailto:dongkyun@knu.ac.kr)

#### Steering Committee

Barrett R. Bryant  
University of North Texas  
Denton, Texas, USA

#### Hisham M. Haddad

Kennesaw State University  
Kennesaw, Georgia, USA

#### Sascha Ossowski

University Rey Juan Carlos  
Madrid, Spain

#### Sung Y. Shin

South Dakota State University  
Brookings, South Dakota, USA

#### Roger Wainwright

University of Tulsa  
Tulsa, Oklahoma, USA

**Research Abstracts:** Graduate students seeking feedback from the scientific community on their research ideas are invited to submit original abstracts of their research work in areas of experimental computing and application development related to SAC 2014 Tracks. The Student Research Competition (SRC) program is designed to provide graduate students the opportunity to meet and exchange ideas with researcher and practitioners in their areas of interest.

All research abstract submissions will be reviewed by researchers and practitioners with expertise in the track focus area to which they are submitted. Authors of selected abstracts will have the opportunity to give poster and oral presentations of their work and compete for three top winning places. The SRC committee will evaluate and select First, Second, and Third place winners. The winners will receive cash awards and SIGAPP recognition certificates during the conference banquet dinner. Authors of selected abstracts are eligible to apply to the SIGAPP Student Travel Award program for support. The top three winners can proceed to the ACM National SRC Program for the grand finals. Please visit <http://src.acm.org/> for more information about the National SRC Program.

**Submission:** Graduate students are invited to submit research abstracts (minimum of two pages; maximum of four pages) following the instructions published at SAC 2014 website. Submission of the same abstract to multiple tracks is not allowed. Submissions must address original and unpublished research work related to a SAC track, with emphasis on the innovation behind the research idea. The submission should address the research problem being investigated, the proposed approach and research methodology, and sample preliminary results of the work. In addition, the abstract should reflect on the originality of the work, innovation of the approach, and applicability of the results to real-world problems. All abstracts must be submitted through the START Submission system.

If you encounter any problems with your submission, please contact the Program Coordinator.

Hisham Haddad  
SAC 2014 SRC Coordinator  
[hhaddad@kennesaw.edu](mailto:hhaddad@kennesaw.edu)

SAC 2014 Student Research Competition program is sponsored by

Microsoft  
**Research**

#### Potential Topics

Advances in Spatial and Image-based Information Systems  
Bioinformatics  
Cloud Computing  
Computational Intelligence Video and Image Analysis  
Coordination Models, Lang. and Apps  
Cooperative Multi-Agent Systems  
Cooperative Systems  
Constraint Solving and Programming  
Dependable and Adaptive Distributed System  
Data Mining  
Data Streams  
Database Theory, Technology and Applications  
Evolutionary Computation  
Enterprise Engineering  
Embedded Systems  
Information Access and Retrieval  
Mobile Computing and Applications  
Multimedia and Visualization  
Networking  
OO Programming Languages and Systems  
Operating Systems  
Programming Languages  
Programming for Separation of Concerns  
Requirement Engineering  
Intelligent Robotic systems  
Recommender Systems  
Software Architecture  
Software Engineering  
Computer Security  
Software Eng. Aspects of Green Computing  
Smart Grids and Smart technologies  
Service-Oriented Archit. and Programming  
Software Verification and Testing  
Semantic Web and its Applications  
Trust, Reputation, Evidence and other Collaboration Know-how  
Web Technologies

#### Host Institutions:

Seoul National University, Korea  
Kyungpook National University, Korea  
Soongsil University, Korea  
Dongguk University, Korea

#### Important Dates:

SRC Abstract Submission: Sep 13, 2013  
SRC Author Notification: Nov 15, 2013  
Poster Presentations: Mar 25, 2014  
Oral Presentations: Mar 26, 2014