SIGCSE 2018 -- CALL FOR PARTICIPATION

“CS for All”

The 49th ACM Technical Symposium on Computer Science Education


The SIGCSE Technical Symposium is a forum for educators and researchers to share new results and insights around developing, implementing, or evaluating computing programs, curricula, and courses. We invite colleagues from around the world to contribute to, review for, and attend SIGCSE 2018. We encourage you to share your new ideas for computing syllabi, laboratories, teaching, pedagogy, and education research at all levels of instruction.

Our 2018 theme “CS for All” highlights our common goal to equitably engage all people to learn computer science, since computing and computational thinking are increasingly important literacies for living in the 21st century. We are particularly interested in broadening participation and diversity, K-12 and novice learners, improved and scalable pedagogies, leveraging data and analytics to improve learning, peer learning and instruction, novel outreach, events and engagement strategies, involving students in solving social and global challenges, advanced CS topics, and education research. SIGCSE encourages multiple ways of sharing ideas, including papers, panels, special sessions, workshops, BoFs, posters, demos, lightning talks, and the ACM Student Research Competition.

PAPERS (6 pp. max; 25 min.) Papers describe an educational research project, classroom experience, teaching technique, curricular initiative, or pedagogical tool. All papers should explicitly state their motivating questions, relate to relevant literature, and contain an analysis of the effectiveness of the interventions. CS education research papers and research studies should adhere to rigorous standards, describing hypotheses, methods, and results. Experience reports should carefully describe the context and provide a rich reflection on what worked, what didn’t, and why. Papers on new curricula, programs, teaching techniques, or pedagogical tools should provide enough detail so that others could adopt the new innovation and understand its possible impacts. Initial submissions must be anonymous.

PANELS (2 pp. max; 75 min.) Panels present multiple perspectives on a specific topic. Panel proposals include a topic description, panelists, affiliations, panelist position statements, and a plan for audience participation.

SPECIAL SESSIONS (2 pp. max; 75 min.) Special sessions are your opportunity to design a unique 75-minute session in a standard conference space, but distinct from papers, panels, posters, or BoFs.

WORKSHOPS (2 pp. max; 3 hours) Workshops engage participants in learning new techniques and technologies designed to foster education, scholarship, and collaboration. Proposals must include an abstract, intended audience and size, and specify power/A/V/equipment/space needs. Workshops do not conflict with the technical sessions.

BIRDS OF A FEATHER (BoF) (1 p. max; 50 min., no A/V) BoFs provide an environment for colleagues with similar interests to meet for informal discussions. A/V equipment will not be provided for BoFs.

POSTERS (2 pp. max; 2 hours) Posters describe CS education materials or research, particularly works in progress. Posters enable one-on-one discussion with conference attendees. Prepared handouts are encouraged.

DEMOS (2 pp. max; 90 min.) Demos showcase the relevance, potential, and innovation of a tool and allow time for discussion with its creator in the exhibition hall. Proposals include an abstract and specify power/A/V/space needs.

LIGHTNING TALKS (500 words max; 5 min.) Lightning talks describe works in progress, new and untested ideas, or opportunities for collaborative work. Talks are an excellent way to spark discussions and get feedback on an idea.

ACM STUDENT RESEARCH COMPETITION (SRC) (2 pp. max; 3-hour poster) Undergraduate and graduate student ACM members are invited to submit individual research contributions from all areas of computer science.

PRE-SYMPOSIUM EVENTS (2 pp. max; 4 or 8 hours) Affiliated organizations are invited to submit proposals for events, including: target audience, # participants, duration, topic, schedule, power/A/V/space needs, and organizers.

IMPORTANT DUE DATES

Friday, August 25, 2017: Papers, Panels, Special Sessions & Workshops

Friday, October 20, 2017: BoF, Posters, Demos, Lightning Talks, SRC, Pre-symposium Events
SIGCSE 2018 ORGANIZING COMMITTEE

Symposium Chairs
Tiffany Barnes
North Carolina State University
tiffany.barnes@gmail.com

Daniel Garcia
University of California, Berkeley
ddgarcia@berkeley.edu

Program Chairs
Elizabeth K. Hawthorne
Union County College
hawthorne@ucc.edu

Manuel Pérez-Quíñones
UNC Charlotte
Perez.Quinones@uncc.edu

Panels and Special Sessions
Jian Zhang
Texas Woman's University
jzhang@twu.edu

Workshops
Michelle Craig
University of Toronto
m craig@cs.toronto.edu

Brett Becker
University College Dublin
brett.becker@ucd.ie

Posters
Sarah Heckman
North Carolina State University
sarah_heckman@ncsu.edu

Birds of a Feather
Jennifer Campbell
University of Toronto
campbell@cs.toronto.edu

Lina Battestilli
North Carolina State University
l battestilli@ncsu.edu

Demos
Peter-Michael Osera
Grinnell College
osera@cs.grinnell.edu

Student Research Competition
Ann Sobel
Miami University (Ohio)
sobelae@miamioh.edu

Jessica Schmidt
North Carolina State University
jessica_schmidt@ncsu.edu

Lightning Talks
S. Monisha Pulimood
The College of New Jersey
pulimood@tcnj.edu

Pre-Symposium Events
Alison Clear
Eastern Institute of Technology
alison.clear@eit.ie

Registration
Lynn Degler
Rose-Hulman Institute of
Technology
degler@rose-hulman.edu

Cary Laxer
Rose-Hulman Institute of
Technology
laxer@rose-hulman.edu

Larry Merkle
Air Force Institute of
Technology
l.merkle@ieee.org

Publications
Ruth Anderson
University of Washington
rea@cs.washington.edu

Database Administrators
Leen-Kiat Soh
University of Nebraska, Lincoln
lksoh@cs.unl.edu

Mark Sherriff
University of Virginia
sherriff@virginia.edu

Webmasters
Joshua Hug
University of California, Berkeley
josh@joshh.ug

Mark Sherriff
University of Virginia
sherriff@virginia.edu

Treasurer
Scott McElfresh
Longwood University
ProfScottMcElfresh@gmail.com

Evaluations
Phil East
University of Northern Iowa
east@cs.uni.edu

Sponsor/Exhibitor Liaisons
Dave Musicant
Carleton College
dmusicant@carleton.edu

Ben Schafer
University of Northern Iowa
schafer@cs.uni.edu

Student Volunteers and Student Activities
Sara Melnick
Columbia University
sararielle@gmail.com

Samuel A. Rebelsky
Grinnell College
rebelsky@grinnell.edu

K-12 Liaison
Leigh Ann Sudol-DeLyser
CSNYC
leighann@csnyc.org

International Liaison
Elizabeth Patitsas
University of Toronto
patitsas@cs.toronto.edu

Kids’ Camp
Dale-Marie Wilson
UNC Charlotte
dalemarie.wilson@gmail.com

Social and Board Games
Steven Wolfman
University of British Columbia
wolf@cs.ubc.ca

Publicity and Social Media
Adam Blank
University of Washington
blank@cs.washington.edu

Leigh Ann Sudol-DeLyser
CSNYC
leighann@csnyc.org

Local Arrangements
Katie Gibson
University of Maryland,
Baltimore County
k38@umbc.edu

Stacy Branham
University of Maryland,
Baltimore County
sbranham@umbc.edu