

## SIGCSE 2018 -- CALL FOR PARTICIPATION

### *“CS for All”*

#### The 49th ACM Technical Symposium on Computer Science Education

February 21 – 24, 2018, Baltimore, Maryland, USA, <http://sigcse2018.sigcse.org>

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-Quinones  
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  
*mcraig@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  
*lbattestilli@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@cpit.ac.nz*

### **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@joshhug.com*

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  
*dmusican@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*