

The 33rd Annual CCSC Eastern Conference In Cooperation with ACM-SIGSCE

Muhlenberg College
Allentown, Pennsylvania

Friday and Saturday, October 20-21, 2017

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The 33rd Annual CCSC Eastern Conference Program

Friday, October 20, 2017

Registration and Keynote – Friday, October 20

Time	Event	Location
10:00 AM - 1:00 PM	Registration <ul style="list-style-type: none"> Moyer Hall Main Lobby 	Moyer Hall Main Lobby and Gallery
1:00 PM - 1:15 PM	Welcome <ul style="list-style-type: none"> George Benjamin & Jorge Reyes-Silvera Department of Mathematics and Computer Science, Muhlenberg College Muhlenberg College 	Moyer Hall Forum
1:15 PM - 2:15 PM	Keynote <ul style="list-style-type: none"> Dr. Armin Mikler, University of North Texas Computational Intelligence and Big Data Challenges in Computational Epidemiology and Population Health 	Moyer Hall Forum
2:15 PM - 2:45 PM	Coffee Break: coffee / snacks provided	Moyer Hall Main Lobby and Gallery

Concurrent Session 1 – Friday, October 20

Time	Event	Location
2:45 PM - 4:00 PM	Paper Session – Algorithms <ul style="list-style-type: none"> On Two Algorithm Design Techniques (Anany Levitin) Parallelizing Shamir’s Secret Sharing Algorithm (Joseph Arbogast, Isaac Sumner, Michael Lam) Traveling Salesman: Heuristic Scaling Analysis (Quincy Mast, Zamua Nasrawt, Garrett Folks, Michael Lam) 	Moyer Hall Room 302
2:45 PM - 5:15 PM	Workshop <ul style="list-style-type: none"> From One Beginner to Another: How to Get git Into Your Classroom (Dee A. B. Weikle) 	Moyer Hall Room 309
2:45 PM - 4:00 PM	Panel <ul style="list-style-type: none"> Integrating Sustainability into CS/IS: A Discussion (Jeffrey Stone, Tricia Clark, Julie Meyer) 	Moyer Hall Room 109

Concurrent Session 2 – Friday, October 20

Time	Event	Location
4:15 PM - 5:30 PM	Paper Session – High Performance Computing <ul style="list-style-type: none">• Analysis of Parallel Implementations of Centrality Algorithms (Kevin Amrein, Samantha Carswell, Patricia Soriano, Michael Lam)• Assessment of a Problem-Based Learning Activity in a High Performance Scientific Computing Course (John P. Dougherty)• Memory Management In Java (Yaodong Bi, John Beidler)	Moyer Hall Room 302
4:15 PM - 5:30 PM		

Poster Session / Reception & Banquet – Friday, October 20

Time	Event	Location
5:30 PM - 6:30 PM	Poster Session & Reception	Seegers Union Event Space
6:30 PM - 7:45 PM	Banquet Speaker <ul style="list-style-type: none">• Mr. Chris Dunham Jr. - Director of Digital Communications for Minor League Baseball Evolving Technology in the Sports Field	Seegers Union Event Space

Saturday, October 21, 2017

Registration / Breakfast & Programming Competition – Saturday, October 21

7:30 AM - 8:30 AM	Registration and Continental Breakfast <ul style="list-style-type: none"> for both programming competition registration and late conference registration 	Moyer Hall Main Lobby and Gallery
8:30 AM - 1:00 PM	Programming Competition	Seegers Union GQ Annex

Concurrent Session 3 – Saturday, October 21

Time	Event	Location
8:30 AM - 9:45 AM	Paper Session – Security <ul style="list-style-type: none"> Security by Design: Teaching Secure Software Design and Development Techniques (John McManus) Taint Flow Analysis to Improve Android Application Security (Ray Zimmerman, Syed Rizvi, Sarah Hoover, Joseph Gualdoni, Andrew Kurtz) Understanding the State of University Web Site Accessibility (R. Stephen Dannelly, Michael Whitney) 	Moyer Hall Room 302
8:30 AM - 9:45 AM	Tutorial <ul style="list-style-type: none"> Guiding Students to Understand CS Concepts and Develop Process Skills with POGIL (Clif Kussmaul) 	Moyer Hall Room 309
8:30 AM - 9:45 AM	<ul style="list-style-type: none"> Roundtable on Student Cheating (Mike Flynn, Diane Murphy, Cynthia Knott, Susan Conrad, Micheline Al-Harrack, Lauren Ventralia) 	Moyer Hall Room 109

Break / Vendors

Time	Event	Location
9:45 AM - 10:15 AM	Coffee Break: light refreshments provided	

Concurrent Session 4 – Saturday, October 21

Time	Event	Location
10:15 AM - 11:30 AM	Paper Session – Education <ul style="list-style-type: none">• An Intervention Strategy to Hone Students’ Code Understanding Skills (Benito Mendoza, Laura Zavala)• Bringing Interactive Visual Analytics to the Classroom for Developing EDA Skills (Jessica Zeitz, Nathan Self, Leanna House, Jane Robertson Evia Scotland Leman, Chris North)• Sophomores Meet the Traveling Salesman Problem (David Carlson)	Moyer Hall Room 302
10:15 AM - 11:30 AM	Tutorial <ul style="list-style-type: none">• Cloud in the Classroom (Laurie White)	Moyer Hall Room 309
10:15 AM - 12:45 PM	Workshop <ul style="list-style-type: none">• Mining Money (Andrew Mangle)	Seegers Union Room 113
10:15 AM - 12:45 PM	Workshop <ul style="list-style-type: none">• Introduction to Git and GitHub (Saundra Castaneda)	Trumbower Science Room 140

Break / Vendors

Time	Event	Location
11:30 AM - 11:45 AM	Coffee Break: light refreshments provided	Moyer Hall Main Lobby and Gallery

Concurrent Session 5 – Saturday, October 21

Time	Event	Location
11:45 AM - 1:00 PM	Paper Session – Curriculum <ul style="list-style-type: none">• Academic Service Learning in Undergraduate and Graduate Computer Science Courses to Foster Engagement and Real World Experience (Ying Liu, Joan DeBello)• Computer Science Education: An Assessment of CS Professional Development (K. Cabrera, P. Morreale, J. Jenny Li)• Teaching Embedded Systems Using the Raspberry PI and Sense Hat (Kevin McCullen)	Moyer Hall Room 302
11:45 AM - 1:00 PM	Tutorial <ul style="list-style-type: none">• Using METAL’s Expanded Highway Graphs and Maps in Computer Science Courses (James Teresco, Razieh Fathi, Lukasz Ziarek)	Moyer Hall Room 309

Lunch & Awards

Time	Event	Location
1:00 PM - 2:00 PM	Luncheon and Awards <ul style="list-style-type: none">• Luncheon included in both regular and student's registration, as well as for programming teams.• Awards for paper and poster sessions.• Awards for programming competition.	Seegers Union Event Space

Steering Committee Meeting for 2018

Time	Event	Location
2:00 PM - 3:00 PM	Steering Committee Meeting for 2017 <ul style="list-style-type: none">• All who are interested in organizing next year's conference are invited.	Seegers Union GQ Annex