Highlights and Recommendations for Community College Educators at SIGCSE 2017 in Seattle, WA
Wednesday, March 8 – Saturday, March 11

The below highlights and recommendations are based on the Draft Program.

sigcse2017.sigcse.org

Stop by the ACM CCECC Booth
Exhibit Hall Booth #414: Come to the ACM Booth in the Exhibit Hall to talk with CCECC members!

Don’t miss the Community College Reception sponsored by Intel!
Friday, March 10, 7:00 pm to 8:00 pm in the Diamond Room @ Sheraton. Visit with the ACM CCECC, enjoy dessert refreshments, win prizes, and most importantly, network with others interested in computing education at community colleges.

ACM CCECC Recommendations for Community College Educators

The ACM Committee for Computing Education in Community Colleges (CCECC) is pleased to recommend the following day-by-day Symposium Activities for two-year college educators.

Yellow highlight indicates CCECC presentation or event.

Wednesday, March 8, 2017

- Pre-Symposium event: POGIL in CS: Small Steps and Giant Leaps
- Pre-Symposium event: Aligning to the ACM Cybersecurity-infused Computer Science Transfer Curriculum, 1:30pm – 5pm
- Pre-Symposium event: POSSE Roundup – Student Participation in Humanitarian Open Source Software
- Workshop 101: GP: A General Purpose Blocks-Based Language
- Workshop 103: A Web-Based IDE for Teaching with Any Language
- Workshop 104: Increasing Student Interest in Data Structures Courses with Real-World Data and Visualizations Using BRIDGES
- Workshop 105: Using AppVis to build data-rich apps with MIT App Inventor
- Workshop 110: Peer Instruction in Practice

Thursday, March 9, 2017

- Paper: A Modern Wearable Devices Course for Computer Science Undergraduates
- Paper: Exposed! CS Faculty Caught Lecturing in Public: A Survey of Instructional Practices
- Paper: The Role of CS Departments in The US President’s “CS for All” Initiative
- Paper: Security Injections@Towson: Integrating Secure Coding into Introductory Computer Science Courses
First Timer's Lunch
Panel: Increasing Diversity in the Face of Enrollment Increases
Paper: Gamifying Course Modules for Entry Level Students
Paper: From blocks to text and back: Programming patterns in a dual-modality environment
Paper: Scenario-Based Inquiry for Engagement in General Education Computing
Special Session: Computing in the Arts: Curricular Innovations and Results
BOF: GitHub, Tutors, Relatives, and Friends: The Wide Web of Plagiarism
BOF: Computer Science Curricular Guidelines for Associate-Degree Transfer Programs
BOF: Building and Supporting a Community of CS Educators Teaching Cyber in 2017
BOF: Surviving “Open-ended Projects” in Project-Based Learning: A Teacher’s Perspective
BOF: Building and Supporting a Community of CS Educators Teaching Cyber in 2017
SIGCSE Evening Reception

Friday, March 4, 2016

Poster: What Should Cybersecurity Students Learn in School? Results from Interviews with Cyber Professionals
Poster: Should your college computer science program partner with a coding boot camp?
Poster: Enhancing Cybersecurity Education Using POGIL
Paper: Just the Numbers: An Investigation of Contextualization of Problems for Novice Programmers
Paper: A Study of the Use of a Reflective Activity in Learning Software Design
Panel: Computer Science Topics in First- and Second-Year Seminar Courses
Paper: Using Undergraduate Teaching Assistants in Small Classes
Paper: Assessment of Introducing Algorithms with Video Lectures and Pseudocode Rhymed to a Melody
Special Session: The Code of Ethics Quiz Show
Poster: On the Integration of Big Data and Cloud Computing Topics
Poster: Broadening Secure Mobile Software Development (SMSD) Through Curriculum
Poster: Curricular Guidance for Associate-Degree Transfer Programs in Computer Science with Contemporary Cybersecurity Concepts
Paper: Examining the Relationship Between Introductory Computing Course Experiences, Self-Efficacy, and Belonging Among First-Generation College Women
Paper: A Pedagogical Analysis of Online Coding Tutorials
Paper: Employing Retention of Flow to Improve Online Tutorials
Special Session: The Passion, Beauty, and Joy of Teaching and Learning Cybersecurity
Community College Reception sponsored by Intel, 7pm-8pm, Diamond Room @ Sheraton
Workshop #306: Hands-On Cybersecurity Exercises That Are Easy to Access and Assess
Workshop #307: Guiding Students to Discover CS Concepts and Develop Process Skills Using POGIL
Saturday, March 5, 2016

- Special Session: Nifty Assignments
- Paper: Successful First Year Experience for At-Risk Students
- Paper: Pencil Puzzles for Introductory Computer Science: an Experience- and Gender-Neutral Context
- Panel: CC2020: A Vision on Computing Curricula
- Panel: Technology We Can’t Live Without!, revisited
- Special Session: ACM Joint Task Force on Cybersecurity Education
- **SIGCSE Luncheon**
- Workshop 401: Evidence Based Teaching Practices in CS
- Workshop 405: Creating Peer Grading Videos