

**Highlights and Recommendations for Community College Educators
at SIGCSE 2020 in Portland, OR
Wednesday, March 11 – Saturday, March 14**

The below highlights and recommendations are based on the [Conference Program](#).

sigcse2020.sigcse.org

Stop by the ACM CCECC Booth

Exhibit Hall Booth #619: Come talk with CCECC members!

Don't miss these great Community College events hosted by the ACM CCECC, sponsored by

ABET, Intel, and Informatics Academy!

ACM CCECC Community College Lunch

Thursday, March 12, 12:00 pm to 1:45 pm, E143 at the Convention Center. For community college educators: Enjoy a free lunch and network with other community college folks! RSVP: <https://bit.ly/2tyZpOR>

ACM CCECC Community College Reception

Friday, March 13, 6:00 pm to 7:30 pm, Portland Prefunction area at the Convention Center. Enjoy hors d'oeuvres and network with others interested in computing education at community colleges. (No RSVP required, just show up!)

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 11, 2020 – Pre-Symposium Events

- 8:30am-7pm :: **RESPECT (IEEE Conference on Research in Equity and Sustained Participation in Engineering, Computing, and Technology)** :: Co-located conference, separate registration required (respect2020.stcbp.org)
- 8:30am-5pm :: **Exploring Uses of Cloud Computing in the Computer Science Curriculum** :: E141 https://whova.com/embedded/session/sigcs_202003/844764/?view=
- 8:30am-5pm :: **Computing for Social Good in Education** :: B110 https://whova.com/embedded/session/sigcs_202003/834754/?view=
- 8:30am-5pm :: **Programming Quantum Computers: Tools and Techniques for the Undergraduate CSCI Faculty** :: E145 https://whova.com/embedded/session/sigcs_202003/834757/?view=

Thursday, March 12, 2020

- 8:15-9:45am :: **Welcome & Keynote by Dr. Juan E. Gilbert** :: Portland Ballroom
- 9:30am-10:45am :: **Break, Exhibits, & Demos** :: Exhibit Hall E
- 10am-12pm :: **Poster Session 1** :: Exhibit Hall E https://whova.com/embedded/session/sigcs_202003/834442/?view=
 - **Poster #114: Curricular Guidance for Associate-Degree Cybersecurity Programs** https://whova.com/embedded/subsession/sigcs_202003/834442/849384/
 - Poster #115: Integrate Global Sustainability Virtual Exchange Into Teaching Computer Science Concepts
- 10:45am-12pm :: **Session 1B: Student Experiences** :: D137 https://whova.com/embedded/session/sigcs_202003/834450/?view=
 - A Longitudinal View of Gender Balance in a Large Computer Science Program
 - Identifying the Prevalence of the Impostor Phenomenon Among Computer Science Students
 - A Multi-level Analysis of the Relationship between Instructional Practices and Retention in Computer Science
- 10:45am-12pm :: **Session 1D: Learning A** :: D133 https://whova.com/embedded/session/sigcs_202003/834446/?view=
 - Lessons Learned From Introducing Preteens in Parent-Led Homeschooling to Computational Thinking
 - Understanding Wikipedia as a Resource for Opportunistic Learning of Computing Concepts
 - TIPP&SEE: A Learning Strategy to Guide Students through Use → Modify Scratch Activities

- 10:45am-12pm :: **Session 1K: RESET (Re-Enter STEM through Emerging Technology): Finding Re-Entry Pathways for Women** :: Portland Ball Room 255
https://whova.com/embedded/session/sigcs_202003/834480/?view=
- 12pm-1:45pm :: **CCECC Community College Lunch sponsored by ABET, Intel, Informatics Academy** :: E143 :: RSVP required: <https://bit.ly/2tyZpOR>
- 1:45pm-3pm :: **Lightning Talks Session 1** :: B115
https://whova.com/embedded/session/sigcs_202003/834439/?view=
- 1:45pm-3pm :: **Session 2C: CS0** :: D135
https://whova.com/embedded/session/sigcs_202003/834498/?view=
 - Design Principles behind *Beauty and Joy of Computing*
 - CS 0: Culture and Coding
 - Introducing Computing to a Cohort of Incarcerated Youth
- 1:45pm-3pm :: **Session 2F: Ethics & Academic Integrity** :: B118
https://whova.com/embedded/session/sigcs_202003/834502/?view=
 - Teaching Academic Honesty in CS50
 - What Do We Teach When We Teach Tech Ethics? A Syllabi Analysis
 - Teaching Computer Ethics: A Deeply Multidisciplinary Approach
- 3pm-3:45pm :: **Break, Exhibits, & Demos** :: Exhibit Hall E
- 3:45pm-5pm :: **Session 3A: Novice Programmer Behaviors** :: E145
https://whova.com/embedded/session/sigcs_202003/834519/?view=
 - Exploring Novice Programmers' Homework Practices: Initial Observations of Information Seeking Behaviors
 - Sometimes It's Just Sloppiness - Studying Students' Programming Errors and Misconceptions
 - A Comparison of Two Pair Programming Configurations for Upper Elementary Students
- 3:45pm-5pm :: **Session 3H: Assignments that Blend Ethics and Technology** :: B113
https://whova.com/embedded/session/sigcs_202003/834543/?view=
- 5:30pm-6:20pm :: **Birds of a Feather Flock A**
https://whova.com/embedded/session/sigcs_202003/834431/?view=
 - BOF #10A: Broadening Participation in Computing: The Critical Role of Community Colleges :: D135
- 6:30pm-7:20pm :: **Birds of a Feather Flock B**
https://whova.com/embedded/session/sigcs_202003/834432/?view=
 - BOF #5B: Cybersecurity Across All Disciplines in 2020 :: B112
- 7:30pm-9:30pm :: **SIGCSE Reception** :: Oregon Ballroom

Friday, March 13, 2020

- 8:15-9:45am :: **Welcome & Keynote by Professor Lauri Malmi** :: Portland Ballroom
- 9:30am-10:45am :: **Break, Exhibits, & Demos** :: Exhibit Hall E
- 10am-12pm :: **Poster Session 2** :: Exhibit Hall E
https://whova.com/embedded/session/sigcs_202003/834443/?view=
- 10:45am-12pm :: **Session 4J: It Seemed Like a Good Idea at the Time (Hindsight is 2020)** :: Portland Ball Room 252
https://whova.com/embedded/session/sigcs_202003/834578/?view=
- 12pm-1:45pm **Lunch on Your Own**
- 1:45pm-3pm :: **Session 5D: Exam Format** :: D133
https://whova.com/embedded/session/sigcs_202003/834593/?view=
 - Paper Or IDE? The Impact of Exam Format on Student Performance in a CS1 Course
 - The Reverse Exam: A Gamified Exam Structure to Motivate Studying and Reduce Anxiety
 - Inverted Two-Stage Exams for Prospective Learning: Using an Initial Group Stage to Incentivize Anticipation of Transfer
- 1:45pm-3pm :: **Session 5E: Planning** :: C120
https://whova.com/embedded/session/sigcs_202003/834597/?view=
 - Applying the Design Process to Life Goals: An Experience Report from a Capstone Course
 - RadGrad: Removing the "Extra" from Extracurricular to Improve Student Engagement, Diversity, and Retention
 - Benefits and Pitfalls of Using Capture the Flag Games in University Courses
- 3pm-3:45pm :: **Break, Exhibits, & Demos** :: Exhibit Hall E
- 3pm-5pm :: **Poster Session 3** :: Exhibit Hall E
https://whova.com/embedded/session/sigcs_202003/834444/?view=
- 3:45pm-5pm :: **Session 6A: Blocks** :: E145
https://whova.com/embedded/session/sigcs_202003/834614/?view=
 - Pythons and Martians and Finches, Oh My! Lessons Learned from a Mandatory 8th Grade Python Class
 - Dual-Modality Instruction and Learning: A Case Study in CS1
 - Cluster-Based Analysis of Novice Coding Misconceptions in Block-Based Programming
- 3:45pm-5pm :: **Session 6L: NoSQL in Undergrad Courses is NoProblem** :: Portland Ball Room 256
https://whova.com/embedded/session/sigcs_202003/834646/?view=
- 6pm-7pm :: **ACM CCECC Community College Reception sponsored by ABET, Intel, Informatics Academy** :: Portland Prefunction
- 7:30pm-10pm :: **Movie Screening: The Bit Player** :: Portland Ballroom

Saturday, March 14, 2020

- 8:15-9:45am :: **Welcome & Keynote by Dr. Valerie E. Taylor** :: Portland Ballroom
- 9:30am-10:45am :: **Break, Exhibits, & Demos** :: Exhibit Hall E
- 10am-12pm :: **Poster Session 4** :: Exhibit Hall E
https://whova.com/embedded/session/sigcs_202003/834445/?view=
- 10:45am-12pm :: **Lightning Talks Session 2** :: B115
https://whova.com/embedded/session/sigcs_202003/834440/?view=
- 10:45am-12pm :: **Session 7D: Security B** :: D133
https://whova.com/embedded/session/sigcs_202003/834659/?view=
 - KYPO4INDUSTRY: A Testbed for Teaching Cybersecurity of Industrial Control Systems
 - A System for Visualizing the Process Address Space in the Context of Teaching Secure Coding in C
 - A Hands-On Cybersecurity Curriculum Using a Robotics Platform
- 10:45am-12pm :: **Session 7J: Supporting Students from Underrepresented Groups to Succeed in Computing: Research and Programs in Community College** :: Portland Ball Room 252 https://whova.com/embedded/session/sigcs_202003/834677/?view=
- 12pm-1:45pm :: **SIGCSE Celebration Lunch** :: Oregon Ballroom
- 1:45pm-3:00pm :: **Nifty Assignments** :: B115
 - https://whova.com/embedded/session/sigcs_202003/834441/?view=