Community College Recommendations

for the SIGCSE 2021 Technical Symposium

The ACM Committee for Computing Education in Community Colleges (ACM CCECC) especially recommends the SIGCSE TS 2021 events listed below to attendees who are affiliated with two-year colleges. We hope that you find these recommendations helpful as you plan your schedule, and please don’t forget to stop by our information booth to say Hello!

Note: Log into the SIGCSE 2021 Pathable website to enable the links.

Sunday, March 14

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [SIGCSE TS 2020 Rewind] 4:30 p.m. - 4:45 p.m.: Welcome
- [SIGCSE TS 2020 Rewind] 4:45 p.m. - 6:00 p.m.: SIGCSE TS 2020 Rewind Paper Session: Curriculum Initiatives Best Papers
- [Opening Ceremony] 8:00 p.m. (EDT) - 10:00 p.m. (EDT): SIGCSE TS 2021 Opening Ceremony

Monday, March 15

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Keynote] 1:00 p.m. – 2:00 p.m.: Expanding Opportunities through Research for Societal Impacts
- 2:00 p.m. - 3:00 p.m.: First Timer's Session and SIGCSE Award for Lifetime Service to the Computer Science Education Community keynote
- [Poster] 04:15 p.m. -- 06:45 p.m.: Enhanced Verbs for Bloom's Taxonomy with Focus on Computing and Technical Areas
- [BoF] 5:30 p.m. - 6:45 p.m.: Integrating Hands-on Cybersecurity Exercises into the Curriculum in 2021
- [Paper Session: Assessments] 8:00 p.m. - 9:45 p.m.: Superficial Code-guise: Investigating the Impact of Surface Feature Changes on Students' Programming Question Scores (Third Best Paper in Computing Education Research Track)
Tuesday, March 16

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Demo] 1:00 p.m. - 2:45 p.m. Learning Data Science with Blockly in JupyterLab
- [Paper Session: Accessibility] 1:00 p.m. - 1:20 p.m.: How a Remote Video Game Coding Camp Improved Autistic College Students' Self-Efficacy in Communication (Best Paper in Experience Reports and Tools Track)
- [Paper Session: Accessibility] 1:20 p.m. - 1:40 p.m.: Understanding Immersive Experiences that Build Community, Equity, and Inclusion (Third Best Paper in Experience Reports and Tools Track)
- [Paper Session: Accessibility] 1:00 p.m. - 1:20 p.m.: Inside the Mind of a CS Undergraduate TA: A Firsthand Account of Undergraduate Peer Tutoring in Computer Labs (Second Best Paper in Experience Reports and Tools Track)
- [Panel] 1:00 p.m. - 2:45 p.m.: Where Should We Go From Here? Eliminating Inequities In CS Education, Featuring Guests From The CS-Ed Podcast
- [BoF] 4:00 p.m. - 5:15 p.m.: Developing Effective and Equitable K-12 Computer Science Teachers
- [Poster] 4:15 p.m. - 6:45 p.m.: A Case Study of Redesigning an Introductory CS Course into Fully Online and its Evaluation
- [BoF] 5:30 p.m. - 6:45 p.m.: Community Colleges: Increasing Participation at SIGCSE and ACM Activities
- [Paper Session: Student Experience] 8:00 p.m. - 8:20 p.m.: Confronting Inequities in Computer Science Education: A Case for Critical Theory (Second Best Paper in Positions and Curriculum Initiatives Track)
- [Paper Session: CS1 - CS2] 08:00 p.m. - 9:45 p.m.: CS1 / CS2

Wednesday, March 17

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Paper Session] 1:00 p.m. - 1:20 p.m.: Inside the Mind of a CS Undergraduate TA: A Firsthand Account of Undergraduate Peer Tutoring in Computer Labs (Second Best Paper in Experience Reports and Tools Track)
- [Paper Session: Data Science] 1:20 p.m. - 1:40 p.m.: Developing an Interdisciplinary Data Science Program (Third Best Paper in Positions and Curriculum Initiatives Track)
- [Paper Session: Feedback / Tutoring B] 1:40 p.m. - 2:00 p.m.: Peer Instruction in Software Testing and Continuous Integration
- [Paper Session: Feedback / Tutoring B] 2:00 p.m. - 2:20 p.m.: A Specification Language for Matching Mistake Patterns with Feedback
- [Paper Session] 01:00 PM (ET) - 02:45 PM (ET): Establishing ABET Accreditation Criteria for Data Science
- [BoF] 4:00 p.m. - 5:15 p.m.: Cybersecurity Education in the Age of Artificial Intelligence
- [BoF] 4:00 p.m. - 5:15 p.m.: Disability in Computer Science Education
- [Poster] 4:15 p.m. - 6:45 p.m.: Computing Ethics Starts on 'Day One': Ethics Narratives in Introductory CS Course
- [BoF] 5:30 p.m. - 6:45 p.m.: A Town Meeting: SIGCSE Committee on Expanding the Women-in-Computing Community
- [Keynote] 8:00 p.m. - 9:45 p.m.: Automated Feedback, the Next Generation: Designing Learning Experiences
Thursday, March 18

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Paper Session: Diversity A] 1:00 p.m. - 1:20 p.m.: Investigating the Impact of the COVID-19 Pandemic on Computing Students’ Sense of Belonging (Second Best Paper in Computing Education Research Track)
- [Paper Session: Exams] 1:40 p.m. - 2:00 p.m.: Reduced Learning Time with Maintained Learning Outcomes
- [Paper Session: Diversity A] 2:00 p.m. - 2:20 p.m.: Experiences of Non-Native English Speakers Learning Computer Science in a US University
- [Paper Session: Exams] 2:20 p.m. - 2:40 p.m.: Using a Comprehensive Third Party Exam for ABET Student Outcome Assessment
- [Poster] 4:00 p.m. - 6:45 p.m.: How to Teach Recursion: A Formula to Transform an Iterative-Based to a Recursive-Based Method
- [Paper Session: Diversity] 8:00 p.m. - 8:20 p.m.: Real Talk: Saturated Sites of Violence in CS Education (Best Paper in Computing Education Research Track)
- [Paper Session: Faculty] 8:20 p.m. - 8:40 p.m.: Demystifying the Tenure-Track Faculty Search in Computer Science at Primarily Undergraduate Institutions
- [Paper Session: Faculty] 8:40 p.m. - 9:00 p.m.: Computer Science through Concurrent Enrollment: Reflections and Lessons Learned Offering Mobile CSP as a Concurrent Enrollment Course

Friday, March 19

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Special Session] 1:00 p.m. - 2:45 p.m.: Computing Competencies for Undergraduate Data Science Programs
- [Poster] 4:15 p.m. - 6:45 p.m.: Supporting CS Teachers through Local Communities: Perceptions of CSTA Chapter Leaders
- [Paper Session: Security] 8:00 p.m. - 8:20 p.m.: Creating a Multifarious Cyber Science Major (Best Paper in Positions and Curriculum Initiatives Track)
- [Paper Session: Computing Education Research B] 8:40 p.m. - 9:00 p.m.: Online Vs Face-to-face Web-development Course: Course Strategies, Learning, and Engagement
- [Paper Session: Computing Education Research B] 9:00 p.m. - 9:20 p.m.: The Virtual Pivot: Transitioning Computational Thinking PD for Middle and High School Content Area Teachers

Saturday, March 20

- 8:00 a.m. - 8:30 a.m.: SIGCSE Morning Coffee
- [Keynote] 1:00 p.m. - 2:00 p.m.: Increasing Diversity in Computing Education: Lesson Learned
- [Poster] 4:15 p.m. - 6:45 p.m.: AlignCS: Evaluating the Landscape of K-12 CS Framework Aligned Curricula
- [Poster] 4:15 p.m. - 6:45 p.m.: Evidence or Excitement: Which Predicts Implementation of Research-based Pedagogy by CS Educators?
- 8:00 p.m. - 9:00 p.m.: Nifty Assignments
- [Special Event] 9:00 p.m. - 10:00 p.m.: SIGCSE TS 2021 Closing Celebration