Important Information for Community College Educators about SIGCSE 2015

Kansas City, MO, March 4-7 - sigcse2015.sigcse.org

Stop by the ACM Exhibitors Booth to enter to win a Kindle Fire or Raspberry Pi. Also come to lunch on March 6 @ noon to network with members of the ACM CCECC and other community college educators. RSVP ctang@acmccecc.org by 5:00 pm March 5 to reserve your seat at Friday’s lunch.

Conference Registration Dates - sigcse2015.sigcse.org/attendees/index.html#registering-for-sigcse-2015
Early registration closes Sunday, February 1, 2015
Online registration closes Sunday, February 22, 2015
On-site registration rates begin Monday, February 23, 2015

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.
** indicates CCECC highly recommends.

Wednesday, March 4, 2015

- Pre-Symposium event: Git and GitHub: Foundations for Educators
- Pre-Symposium event: ACM SIGCAS Symposium on Computing for the Social Good: Educational Practices
- Pre-Symposium event: CSTeachingTips.org: Tip-A-Thon
- Pre-Symposium event: Teaching to Diversity in Computer Science
- Pre-Symposium event: Creating Cyber Science Learning Outcomes **
- Workshop #1: Teaching Computing Foundations To Non-majors
- Workshop #3: Teaching Computer Science Soft Skills
- ** Workshop #4: Seed Labs: Using Hands-on Lab Exercises For Computer Security Education **
- Workshop #5: Teaching Introductory Computer Science For A Diverse Student Body: Girls Who Code Style
- Workshop #6: Making Music With Computers: Creative Programming In Python
- Workshop #7: Intellectual Property Law Basics For Computer Science Instructors
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Thursday, March 5, 2015

- Plenary Session by Jessica Hodgins, VP, Disney Research and Professor, Carnegie Mellon University: Educating for Both Art and Technology
- Demo: Blockly Language Creation and Applications: Visual Programming for Media Computation and Bluetooth Robotics Control
- Paper on CS1: Supporting Creativity and User Interaction in CS1 Homework Assignments
- Special Session: Tutorial: Concurrency with Alice 3 and Java **
- Lunch: First Timer's Lunch **
- Paper on Block Languages: DBsnap: Learning Database Queries by Snapping Blocks
- Paper on Block Languages: Scratch: A Way to Logo and Python
- Paper on Student Engagement - Flipped Classroom: Beyond the Flipped Classroom: Learning by Doing through Challenges and Hack-a-thons
- Paper on Gender & Diversity: An Effective Alternative to the Grace Hopper Celebration **
- Special Session: Curricular Assessment: Tips and Techniques **
- Birds-of-a-Feather: Updating the ACM/IEEE 2008 Curriculum in Information Technology **
- Birds-of-a-Feather: Process Oriented Guided Inquiry Learning (POGIL) in Computer Science **
- Birds-of-a-Feather: A Town Meeting: SIGCSE Committee on Expanding the Women-in-Computing Community **
- Birds-of-a-Feather: Creating Learning Assessment Tools for Cybersecurity Education
- Birds-of-a-Feather: Automatically Generated Feedback for CS Student Work: Best Practices
- Birds-of-a-Feather: Mapping Alice Curriculum to Standards
- Birds-of-a-Feather: Resources And Strategies for Flipped Classrooms
- Birds-of-a-Feather: Student Contributions to Humanitarian Free and Open Source Software (HFOSS) **
- Birds-of-a-Feather: Perspectives on How Computer Science Curricula 2013 Influences Two-year College Programs **
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Friday, March 6, 2015

- **Lunch On Your Own:** Network with the ACM CCECC and other community college educators over lunch at a local venue. RSVP to Cara - ctang@acmccecc.org - by 5:00 pm Thurs., March 5.
- Demo: **EngageCsedu:** CS1 and CS2 Materials for Engaging and Retaining Undergraduate CS Students
- Demo: **Exploring Computer Science Topics with Programmable Smartwatches**
- **Poster:** Correlating ACM Core IT Learning Outcomes with Associate Degree and Certificate Programs
- **Poster:** Security Injections 2.0: Using Segmentation, Instant-feedback, and Auto-grading to Enhance Secure Coding Modules for Lower-level Programming Courses
- **Poster:** Using POGIL Activities to Teach CS Principles to Diverse Students
- **Poster:** Student Discovery of Network Security Ethics
- Poster: Creating New Languages in Blockly: Two Case Studies in Media Computation and Robotics
- Poster: *Summer Programming Boot Camp: A Strategy for Retaining Women in IT*
- Poster: *Integrating Cutting Edge Devices to Increase Student Retention in Programming*
- Poster: E-Assess: A Web-based Tool for Coordinating and Managing Program Assessment
- Poster: CS2013 Assessment Exam
- Poster: Culturally Responsive Computing: An In-depth Examination of Practices and Outcomes in CompuGirls
- Poster: "Maker Innovators": A Workshop for Youth Creating Responsive and Wearable Game Interfaces with Tangible and Digital Construction Toolkits
- Poster: Integrating Mobile Computing and Security into a Computer Science Curriculum
- **Panel:** Using App Inventor in Introductory CS Courses
- **Paper on Soft Skills:** Using a Message Board as a Teaching Tool in an Introductory Cybersecurity Course
- Paper on Student Engagement/Active Learning: Generating Practice Questions as a Preparation Strategy for Introductory Programming Exams
- Paper on Cloud Computing: Teaching Cybersecurity Analysis Skills in the Cloud
- Paper on Virtualization: MC-Live: A Portable Computing Environment for Computer Science Students
- Paper on Virtualization: Teaching Virtualization by Building a Hypervisor
- **Paper on Testing:** Can the Security Mindset Make Students Better Testers?
- **Special Session:** Perspectives On Adopting and Facilitating Guided Inquiry Learning
- Workshop #8: A Swift Introduction to Swift App Development
- Workshop #10: Using Pencil Code to Bridge The Gap Between Visual and Text-based Coding
- Workshop #16: Steal This Courseware
- Workshop #18: Augmenting Introductory Computer Science Classes With Gamemaker and Mobile Apps
- Workshop #19: Infusing Cooperative Learning Into Early Computer Science Courses To Support Improved Engagement
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Saturday, March 7, 2015

- Affiliated Event: App Inventor Breakfast
- Luncheon: Keith Hampton, Rutgers University
- Demo: JavaTutor: An Intelligent Tutoring System that Adapts to Cognitive and Affective States During Computer Programming
- Demo: Mist - The Mathematical Image Synthesis Toolkit
- Special Session: The CS Concept Inventory Quiz Show
- Special Session: Nifty Assignments
- Workshop #21: Teaching Computing With Processing, The Bridge Between High School and College
- Workshop #25: Building Code Magnet Labs for Tablets and Other Devices
- **Workshop #26: Introducing Secure Coding in CS0, CS1, and CS2**