CCSC: Central Plains Conference 2013

Time	Track 1	Track 2	Track 3	
9:00-12:00	**Pre-Conference Workshop** **Audacious Android Application Programming Workshop** Frank McCown, Assistant Professor of Computer Science, Harding University (special thanks to SIGCSE for funding this workshop) This three hour workshop will introduce mobile application development using the Android SDK and Eclipse IDE. The focus is on teaching an upper-level Android app development course. Reusable programming labs and projects will be distributed. (Prerequisites: Knowledge of the Java programming language and familiarity with Eclipse.)			
1:00 - 2:00	**Opening Keynote Address** **The Google Fiber Project** Rachel Hack, Google's Community Manager for Kansas City (Rachel serves as a liaison between the many organizations and leaders in Kansas City with an interest in the ultra-high-speed Google Fiber project and the Google Fiber team) Rachel will talk about why Google is doing the Kansas City project, why they selected Kansas City for their first fiber-to-the-home network, what this might mean for the community, and where they are today in the project. Rachel will also touch on how STEM education - including computer science - can bolster infrastructure growth and innovation around the world.			
Session 1 2:10 - 3:10	**Papers** **Technology in Second-Language Learning: A Student's Perspective** Jeffery Solheim, Fort Hays State University **Multiple Constraint Satisfaction Problems using the A-Star (A*) Search Algorithm: Classroom Scheduling with Preferences** Kian Pokorny and Ryan Vincent McKendree University **A Pedagogical Regular-Expression Engine** Eric Shade Missouri State University	**Nifty assignments** **A Nifty Twist on the Producer Consumer Solution** John Cigas Park University **Interfacing with Amtrak.com to Provide a Meaningful Systems Development Project** David Heise Lincoln University **Exploiting a Networked Game** James Vanderhyde Benedictine College	**Workshop** **Word Games and Python in CS I and II: A Conference Tutorial** Michael Rogers and Ryan Wessell Northwest Missouri State University	
3:15 - 3:45	**Break (light snacks) - Networking - Vendors**			
Session 2 3:50 - 4:50	**Papers** **Operationalizing Information Literacy and Technology in a General Education Computer Science Course** Cecil Schmidt, Donna LaLonde and Nan Sun Washburn University **A Design and Implementation of a Resource-Constrained Computer Science Program in a Combined CS/CIS Department** Kenneth Shemroske and R. Scott Anderson University of Southern Indiana **Setting Up and Using a Cyber Security Lab for Education Purposes** Alexandru Garvil Bardas and Xinming Ou Kansas State University	**Lightning talks** **(Submission deadline March 1. Abstracts will be distributed to conference attendees.)**	**Workshop** **Going Parallel with C++11** (Part 1) Joe Hummel University of Illinois, Chicago	APRIL 12 - FRIDAY
4:55 - 5:10	**Break (light snacks) - Networking - Vendors**			
Session 3 5:15 - 6:15	**Partner Presentation** **Funding Opportunities at NSF: Matching Your Great Idea to the Right Program** Dr. Suzanne Westbrook Division of Undergraduate Education Directorate of Education and Human Resources National Science Foundation So you've got a great idea, which NSF programs are the best match to help you realize it? Dr. Westbrook will discuss differences between a number of NSF computing and computer science education research programs, particularly in the Division of Undergraduate Education and will discuss trends and emphases in funding of computer science education projects at NSF.	**Nifty assignments** **Bird Flu Simulation Assignment** Diana Linville Northwest Missouri State University **Cellphone Text Messaging** James Vanderhyde Benedictine College	**Workshop** **Going Parallel with C++11** (Part 2) Joe Hummel University of Illinois, Chicago	
6:30 - 8:30	**Banquet and Keynote** **Cloud Computing and Remote Hosting** Ken Scribner, Vice President of Production Management, Cerner Corporation Cloud computing -- a recent trend in computing that has rapidly grown in popularity and use -- has actually been around for a lot longer than most people realize. This presentation will discuss what is involved in being a business that provides cloud services. Additionally, the differences between cloud computing and remote hosting will be described.			

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Session 4 8:30 - 9:30	**Papers** **What, No Canoes? Lessons Learned While Hosting a Scratch Summer Camp** Michael Rogers, Carol Spradling and Judy Clark Northwest Missouri State University John Pais Ladue Horton Watkins High School **Generating Interest in Computer Science Through Middle-School Android Summer Camps** Eric Manley and Timothy Urness Drake University **What Will They Know? Standards in High School Computer Science Curriculum** Kian Pokorny McKendree University	**Vendor Workshop** **The Finch Robot and the Hummingbird Robotics Kit** Tom Lauwers Founder, BirdBrain Technologies LLC The Finch robot and the Hummingbird Robotics Kit are two hardware platforms used in introductory computer science. The Finch is designed to allow students to write richly interactive programs using light, sound, and motion outputs and a suite of sensory inputs. The Hummingbird kit enables activities that involve the making of robots and animatronics built out of kit parts combined with arts and crafts materials.	**Workshop** **Using the Xbox Kinect Sensor for Gesture Recognition** Chuck Pheatt and Andrew Wayman Emporia State University	
9:35 - 9:55	**Break (light snacks) - Networking - Vendors**			
Session 5 10:00 - 11:00	**Papers** **Classroom Interventions to Reduce Failure & Withdrawal in CS 1 - A Field Report** Brian Hare University of Missouri-Kansas City **The Joy of Text: Word Games in CS I** Michael Rogers and Ryan Wessell Northwest Missouri State University **Experimental Study on Sudoku** Suchindran Maniccam Eastern Michigan University	**Student Poster Contest** **Judging** (Only for contestents and judges)	**Workshop** **Using Scratch/BYOB to Create a Project-Based Introduction to Computer Science** (Part 1) John Pais Ladue Horton Watkins High School	**APRIL 13 - SATURDAY**
11:00 - 11:40	**Break (light snacks) - Networking - Vendors** **View Student Posters**			
Session 6 11:45 - 12:45	**Papers** **Short Videos Improve Student Learning in Online Education** John Cigas & Wen Hsin Park University **Predicting Non-Traditional Student Learning Outcomes using Data Analytics-A Pilot Research Study** John Buerck, Nicholas Grimm, Kyle Collins, Stephanie Mooshegian and Srikanth Mudigonda Saint Louis University **Strengthening the Trust in Online Courses** Ronny Richardson and Max North Southern Polytechnic State University		**Workshop** **Using Scratch/BYOB to Create a Project-Based Introduction to Computer Science** (Part 2) John Pais Ladue Horton Watkins High School	
1:00-1:50	**Luncheon & Business Meeting**			
2:00 - 3:00	**CSTA Meeting**			
2:00 - 6:00	**Student Programming Contest**			