## 2014 CCSC-CP Regional Conference Committee

**Ed Mirielli,** Conference Chair Westminster College

**Linda Webster,** Local Facilities Coordinator, Regional Vendors/Employers Westminster College

**Jim Buchan**, Conference Co-Chair, Pre-Conference Workshop, Keynote Speakers College of the Ozarks

**Judy Mullins**, Regional CCSC Representative, Board Chair & Treasurer, Pre-conference Workshop, Two-Year College Outreach University of Missouri-Kansas City

**Brian Hare**, Regional CCSC Registrar & Membership Chair, Regional Employers University of Missouri-Kansas City

**Scott Bell,** Regional CCSC Secretary, Conference Publicity, K-12 Outreach Kansas State University

**Baochuan Lu,** Regional CCSC Editor Southwest Baptist University

**Michael P. Rogers,** Regional CCSC Webmaster, Conference Publicity, Keynote Speakers, Student Programming Competition Northwest Missouri State University

**Carol Spradling,** Past Regional CCSC Representative, K-12 Outreach & Lightning Talks, Keynote Speakers, Regional Vendors/Employers, Two-Year College Outreach Northwest Missouri State University

**David Heise,** Conference Papers Chair Lincoln University

**Baoqiang Yan,** Panels, Workshops, and Tutorials Missouri Western State University

Mahmoud Yousef, Nifty Assignments
University of Central Missouri

**Rick Barker,** Student Poster Competition Washburn University

**Tim DeClue,** Cerner Corporation K-12 Scholarships, K-12 Outreach Southwest Baptist University

**Wen Hsin,** Lightning Talks Park University

**Ron McCleary,** 2013 Past Conference Chair, Student Programming Competition Avila University

**George Gibeau,** Two-Year College Outreach Ozark Technical Community College

**David Monismith,** Student Programming Competition Northwest Missouri State University

**Nat Graham,** Lightning Talks - K12, K-12 Outreach Columbia Area Career Center, Columbia, MO

**Angela Klein,** Lightning Talks - K12, K-12 Outreach Liberty High School, Liberty, MO

**Lesley Martin,** Lightning Talks - K12, K-12 Outreach North Kansas City High School, Kansas City, MO

**John Pais,** Lightning Talks - K12, K-12 Outreach Ladue Horton Watkins High School, St. Louis, MO

## The CCSC-Central Plain 2014 Conference Committee thanks the following:

- Our National Partners The National Science Foundation, Turing's Craft, and Wiley —
  for their continued support of our activities.
- Upsilon Pi Epsilon (International Honor Society for the Computing and Information Disciplines) for sponsorship of student participation in the conference.

   SIGCSE for help in funding the pre-conference workshop.
  - Cerner Corporation for its generous donation to pay for the first 30 conference registrations
  - for K-12 teachers and for its generous donation in support of the student programming contest
  - Henry Walker, Grinnell College for providing and supporting the online system used to managing and peer reviewing the papers, workshops, tutorials, and other conference submissions.





501 Westminster Avenue, Fulton, MO 65251 April 4 - 5, 2014 www.westminster-mo.edu



listening platforms, can be used to market ideas, solve business problems, and win a few awards in the process.

**Papers:** Northwest Missouri State University **Teaching True Computer Science Principles** to the General Student Baochuan Lu, Southwest Baptist University; Angie Klein, Liberty High School; Meilani Conley, Southwest Baptist University

TRACK THREE TRACK ONE **TRACK TWO** Papers: (Mobile) **Nifty Assignments Workshop** - Coulter Science Center 329 Computing Foundations for the Scientist: - Coulter Science Center 330 Application Development A New Approach for Non Majors **Moderator:** TBA - Coulter Science Center Lecture Hall Cathy Bareiss, Larry Vail, Olivet Nazarene University **Evaluating OpenID** Moderator: Diana Linville, Northwest Missouri State University John Cigas, Park University **Autonomous Search and Retrieval** Integrating Mock Cybercrime Scenarios in 8:30 - 10:30 (120 minutes) Sage Kleczynski, Suranga Hettiarachchi, Matthew Rayner, **Computer Forensics Courses** Indiana University Southeast Storyboards: A Graphical Development Tool University of Maryland University College for the Rest of Us Michael Rogers, Andrew Shoemake, Northwest Missouri State University **Using Puzzle Simulations to Introduce Object Oriented Programming with BYOB** iOS App Programming Using an Inverted Classroom John Pais, Ladue Horton Watkins High School in a Small Department Megan Thomas, California State University, Stanislaus 9:35 - 9:55 • Break - Vendors and refreshments (Coulter Science Center Atrium) **Workshop** - Coulter Science Center 329 **Student Poster Contest Judging** Strategically Recruiting Diverse Students into - Coulter Science Center 126 Interdisciplinary/Team-based Learning Your Undergraduate Computing Major **Moderator:** Rick Barker - Coulter Science Center Lecture Hall Rebecca Dohrman, Maryville University/NCWIT **Moderator:** Baochuan Lu, Southwest Baptist University (Only for student poster contestants and contest judges) Team-based Learning in a Data Structures Course 10:30 - 11:45 (75 minutes) Daniel Cliburn, University of the Pacific An Interdisciplinary Approach to Teaching **Computer Ethics Course** Aparna Mahadev, Sonya Coner, Worcester State University **Using Interdisciplinary Teams to Develop Comprehensive Integrated Digital Marketing Communication Campaigns** Carol Spradling, Chirs Graves, Steven Chappell, David Shadinger, Deb Toomey,

11:00 - 11:30 • Break - Vendors and refreshments (Coulter Science Center Atrium) Papers: CSO/CS1 - Coulter Science Center Lecture Hall Lightning Talks K-12 **Moderator:** Scott Bell, Kansas State University - Coulter Science Center 330 On Video-Based Instruction for Introductory **Moderator:** TBA **Computer Programming** Eric Manley, Timothy Urness, Drake University Computing and the Affective Domain: Learning to Love (and Persist) in Computer Science Tim DeClue, Southwest Baptist University

**Student Poster Presentations** - Coulter Science Center 126 & Atrium **Moderator:** Rick Barker

12:40 - 12:45 • POSTER AWARDS CEREMONY - Coulter Science Center Lecture Hall

12:50-1:50 • BUSINESS MEETING AND LUNCHEON - Mueller Student Center

(For students and coaches participating in Programming Contest. Meeting will begin about 1:45 in Coulter Science Center Lecture Hall)

2:00 - 3:00 • CSTA MEETING - Coulter Science Center Lecture Hall

2:00 - 6:00 • STUDENT PROGRAMMING CONTEST **General Meeting - Coulter Science Center Lecture Hall** 

Programming Teams assigned to room in Coulter Science Center - Coaches in Coulter Science Center 121