**CCSC** Consortium for Computing Sciences in Colleges

# 2013 Midwest Conference Schedule
## September 20th and 21st – The University of Findlay – Findlay, Ohio

### Friday, September 20th, 2013

| | |
|---|---|
| 9:00 am – 12:00 pm | **Pre-Conference Workshop**: *INTRODUCTION TO THE PYTHON PROGRAMMING LANGUAGE* Heda Samimi (Davis 196) |
| 11:00 am - 4:00 pm | **Registration** (Davis Lobby West) |
| 1:00 pm – 1:15 pm | **Conference Opening** (Old Main - Ritz Auditorium) |
| 1:15 pm - 2:00 pm | **Keynote Address:** *HOW SHOULD YOUNG CHILDREN APPROACH PROGRAMMING?* David Touretzky (Old Main - Ritz Auditorium) |
| 2:15 – 3:45 pm | **Concurrent Session I** |

| Paper Session (Davis 2225) | Tutorial (Davis 1121) | Tutorial (Davis 196) |
|---|---|---|
| Chair - David Largent<br><br>*DESIGN AND IMPLEMENTATION OF AN INTERNATIONAL COMPUTER SCIENCE CAPSTONE COURSE*<br>Robert Adams, Carsten Kleiner<br><br>*EXPERIENCES TEACHING MIXED MODE SYSTEMS ADMINISTRATION COURSES USING DECENTRALIZED VIRTUAL MACHINES*<br>Michael Ruth<br><br>*A SINGLE SEMESTER WEB PROGRAMMING COURSE MODEL*<br>Robert Dugan | *SHORT MODULES FOR INTRODUCING PARALLEL CONCEPTS*<br>David Bunde | *USING THE NEW JGRASP CANVAS OF DYNAMIC VIEWERS FOR PROGRAM UNDERSTANDING AND DEBUGGING IN JAVA COURSES*<br>James Cross |

| | |
|---|---|
| 3:45 – 4:15 pm | **Break** (Davis Lobby West) |
| 3:45 – 5:45 pm | **Student Posters** (Davis Lobby West/1st Floor Hallway) Chair – Kent Palmer, David Largent |
| 4:15 – 5:45 pm | **Concurrent Session II** |

| Paper Session (Davis 2225) Chair – John Minor Ross | Tutorial (Davis 1121) | Tutorial (Davis 1129) |
|---|---|---|
| *STUDENT ATTENDANCE REPORTING PROTOTYPE USING SSQL*<br>Courtney Humphries, Dawn Wilkins<br><br>*DRAWING AND UNDERSTANDING RECURSIVE FUNCTIONS*<br>Gregory Weber<br><br>*UNIFIED EXTENSIBLE FIRMWARE INTERFACE (UEFI) AND SECURE BOOT: PROMISE AND PITFALLS*<br>George Bricker | *COMPUTING FOUNDATIONS FOR THE SCIENTIST A NEW APPROACH FOR NON-MAJORS*<br>Cathy Bareiss<br>Larry Vail | *A HYBRID APPROACH TO APPLYING MATHEMATICAL REASONING IN COMPUTER SCIENCE COURSES*<br>Joan Krone, Joe Hollingsworth |

| | |
|---|---|
| 6:00 pm – 7:00 pm | **Dinner** (Virginia B. Gardner Fine Arts Pavilion – Mazza Museum) |
| 7:00 pm – 7:45 pm | **Banquet Address:** *PUTTING THE SCIENCE IN COMPUTER SCIENCE*<br> C. Matthew Curtin  (Old Main - Ritz Auditorium) |
| 8:00 pm – 8:30 pm | **CCSC Midwest Region Business Meeting** (Old Main - Ritz Auditorium) |
| 8:30 pm – 9:00 pm | **CCSC Midwest Region Steering Committee Meeting** (Old Main Classroom) |
| 8:00 pm – 10:45 pm | **Student Programming Competition Practice Session** (Old Main 215 / Old Main 309) |

## Saturday, September 21st, 2013

| | |
|---|---|
| 7:30 am – 8:30 am | **Continental Breakfast** (Davis Lobby West) |
| 8:00 am - 12:00 pm | **Student Programming Contest** (Old Main 215 / Old Main 309) |
| 8:30 am – 10:00 am | **Concurrent Session III** |

| **Paper Session**<br>(Davis 2225)<br><br>Chair – Jeff Lehman<br><br>*USING AUDIO INTRODUCTIONS TO IMPROVE PROGRAMMING AND ORAL SKILLS IN CS0 STUDENTS*<br>Brian Kokensparger, David Brooks<br><br>*AUTOMATED RECOGNITION OF COGNITIVE IMPAIRMENTS*<br>Mark Hodges<br><br>*FLIPPING A LARGE CS0 COURSE: AN EXPERIENCE REPORT ABOUT EXPLORING THE USE OF VIDEO, CLICKERS AND ACTIVE LEARNING*<br>David Largent | **Panel**<br>(Davis 1121)<br><br><br><br>*GOOD DOC, BAD DOC (TEACHING EFFECTIVE DOCUMENTATION IN PROGRAMMING COURSES)*<br>Craig Gunnett (moderator)<br>Helen Schneider<br>Robert Green | **Works In Progress**<br>(Davis 1129)<br><br>Chair – Scott Anderson<br><br>*Use of LiveCode in CS0*<br>Kent Palmer |
|---|---|---|

| | |
|---|---|
| 10:00 am - 10:15 am | **Break** (Davis Lobby West) |
| 10:15 am – 11:45 pm | **Concurrent Session IV** |

| **Tutorial**<br>(Davis 1121)<br><br>*GOING PARALLEL WITH C++11*<br>Joe Hummel | **Panel**<br>(Davis 2225)<br><br>*HOW DO WE KNOW OUR STUDENTS HAVE LEARNED THE BS OUTCOMES? -- AN OVERVIEW OF ASSESSMENT, ACCREDITATION, THE MODEL CURRICULA, AND CERTIFICATION -- IN INFORMATION SYSTEMS AND IN COMPUTER SCIENCE*<br>Terry Linkletter (moderator)<br>John Whitehouse | **Nifty Assignments**<br>(Davis 1129)<br><br>Chair – Cyrus Grant<br><br>*Bubble Fountain with Wandering Black Hole*<br>Andrew Mertz & Nancy Van Cleave<br><br>*Who Needs Clickers?*<br>Mark Hall<br><br>*Using Medical Infusion Pumps as a Computer Programming Design Problem*<br>George Bricker | **Vendor Session**<br>(Davis 196)<br><br>*HANDS-ON INTRODUCTION TO LEGO® MINDSTORMS® ROBOTICS*<br>Ivery Toussant |
|---|---|---|---|

| | | |
|---|---|---|
| 12:00 pm – 1:00 pm | **Lunch** (Gardner Fine Arts Pavilion – Mazza Museum) | |
| 1:00 pm – 2:00 pm | **CCSC:MW 2014 Conference Planning** (Virginia B. Gardner Fine Arts Pavilion – Great Hall) | |
| 1:00 pm – 4:00 pm | **Post-Conference Workshop**: *EASY AS PI: AN INEXPENSIVE PLATFORM FOR MACHINE LANGUAGE INSTRUCTION*<br>*William Hooper* (Davis 196) | **K-12 Session:** *SCRATCH + MICROSOFT XBOX KINECT: A MAGICAL COMBINATION*<br>Victor Norman (Old Main 215) |