2017 Midwest Conference Final Schedule
September 22 - 23, 2017 – Calvin College, Grand Rapids, Michigan

Friday Schedule

9:00 am – 12:00 pm	**Pre-Conference Workshops**: *BUILDING INTERACTIVE WEB APPLICATIONS USING ANGULAR JS* Ryan McFall (Science Building SB337)
11:00 am - 4:00 pm	**Registration** (CFAC, West Lobby)
1:00 pm – 1:15 pm	**Conference Opening** (CFAC Recital Hall)
1:15 pm - 2:00 pm	**Keynote Address:** *TEACHING GAME DESIGN AND DEVELOPMENT: WHY BRINGING "THE SOCIAL" INTO THE CLASSROOM IS KEY*, Casey O'Donnell (CFAC Recital Hall)
2:15 pm – 3:45 pm	**Concurrent Session I**

Paper Session (Commons Annex Alumni Board Room CA 206) Chair – Paul Talaga	**Tutorial** (Commons Annex CA 207)	**Panel** (Commons Annex Lecture Hall 014)	**Vendor Tutorial** (Science Building SB337)
AN INTRODUCTION TO ELEMENTS OF PARALLEL PROGRAMMING WITH JAVA STREAMS AND/OR THRUST IN A DATA STRUCTURES AND ALGORITHMS COURSE Christian Trefftz, Jerry Scripps, Zack Kurmas VPMM: VISUALIZATION OF PARALLEL MATRIX MULTIPLICATION ALGORITHMS Sriram Desai, Sagar Kulkarni, Vaibhav Vasant, M Varalakshmi, Peer Mohamed DATA ANALYTICS WORKSHOP WITH FIRST-GENERATION-COLLEGE-BOUND, UNDERREPRESENTED, AND NON-COMPUTING MAJOR STUDENTS Sam Chung, TJ Oh, Jeremy Kim, Andrew Kang	SUPPORTING ACTIVE LEARNING IN COMPUTER SCIENCE THROUGH TECHNOLOGY AND COMMUNITY Jesse Eickholt, Patrick Seeling Matthew Johnson	INDEPENDENT GAME DEVELOPMENT IN THE MIDWEST Paul Gestwicki	Programming Education for Students of any Age - LEGO® Education – MINDSTORMS® EV3 Robotics Part I Bryant Zimmerman

3:45 pm – 4:15 pm	**Break** (CFAC East Lobby)
3:45 pm – 5:45 pm	**Student Posters & Showcase** (CFAC East Lobby) Chair - Paul Gestwicki
4:15 pm – 5:45 pm	**Concurrent Session II**

Paper Session (CFAC 227) Chair – Jeff Lehman	**Tutorial** (SB 354)	**National Partner Tutorial** (CFAC 255)	**Vendor Tutorial** (SB 337)
2-IN-1 WITH THE JUMP-IT GAME Jamil Saquer, Razib Iqbal ON THE USAGE OF RECURSIVE FUNCTION CALLS IN C/C++ GENERAL PURPOSE SOFTWARE SYSTEMS Saleh Alnaeli, Melissa Sarnowski, Zachary Blasczyk	TEACHING PARALLEL & DISTRIBUTED COMPUTING WITH MPI Joel Adams, Elizabeth Shoop	Google CLOUD IN THE CLASSROOM Laurie White	Lego – Part II Bryant Zimmerman

6:00 pm – 7:00 pm	**Dinner** (Commons)
7:00 pm – 7:45 pm	**Banquet Address:** *INTRODUCING OPEN SOURCE AND THE RASPBERRY PI TO SCHOOLS IN DEVELOPING NATIONS,* Derek Schuurman (Recital Hall)
8:00 pm – 8:30 pm	**CCSC Midwest Region Business Meeting** (CFAC 227)
8:00 pm – 10:45 pm	**Student Programming Competition Practice Session** (Science Building SB 354)
9:00 pm – 10:00 pm	Two-Year Institutions BOF (CFAC 252)

Saturday Schedule

7:30 am – 8:30 am	**Continental Breakfast** (CFAC East Lobby and Science Building 321)
8:00 am - 12:00 pm	**Student Programming Contest** (Science Building 321, 354, 372, and 337)
8:30 am – 10:00 am	**Concurrent Session III**

Paper Session (CFAC 227) Chair – Saleh Alnaeli AN EXAMPLE OF ANDROID'S FOREGROUND SERVICE PATTERN Victor Matos, Rebecca Grasser FOCUS DRIVEN DEVELOPMENT: THE "COULD" AND "SHOULD" OF SOFTWARE DESIGN Robert Green ALTERNATIVE TO LAYER-BASED NETWORKING INSTRUCTION Vijay Bhuse, Mostafa El-said	**Works In Progress** (CFAC 252) Chair – Janet Helwig USING TDD IN AN INTRODUCTORY PROGRAMMING COURSE TO INCREASE STUDENT PERFORMANCE AND ENGAGEMENT Paul Talaga MY EXPLORATION OF SPECIFICATIONS GRADING IN A DISCUSSION-BASED COURSE David Largent CALOS: AN EDUCATIONAL OPERATING SYSTEM WRITTEN IN PYTHON Victor Norman	**Tutorial** (CFAC 255) PEER INSTRUCTION IN PRACTICE David P. Bunde, Joe Hummel, Jaime Spacco, Cynthia Taylor

| 10:00 am - 10:15 am | **Break** (CFAC East Lobby) |
| 10:15 am – 11:45 am | **Concurrent Session IV** |

Tutorial (CFAC 227) Chair – Kristopher Roberts ABET ASSESSMENT AND ACCREDITATION Cathy Bareiss	**Nifty Assignments** (CFAC 252) Chair – Cyrus Grant SIMPLE WEB BROWSER ASSIGNMENT Zachary Kurmas ONLINE GRADING AND OTHER TOOLS Joe Hummel	**Vendor** (CFAC 255) ICCP (Institute for Certification of Computing Professionals) Tracey Byron

| 12:00 pm – 1:00 pm | **Lunch** (Commons) |
| 1:00 pm – 2:00 pm | **CCSC:MW 2018 Conference Planning** (CFAC 227) |