CCSC Eastern Conference 2015

Stockton University

October 23 & 24, 2015

Program

National Partners:

Host: Computer Science and Information Systems
School of Business
Stockton University
Galloway, NJ 08205

Time	Event	Location
12:00 pm – 1:00 pm	**Registration** • Outside Campus Center Theatre during this hour. • Late arrivals: throughout conference outside session rooms.	Campus Center: Theatre
1:00 pm – 1:10 pm	**Welcome** • Co-Chairs: Vincent Cicirello & Aakash Taneja (Stockton University) • Keynote Introduction: Helen Wei (Stockton University)	Campus Center: Theatre
1:10 pm – 2:00 pm	**Keynote 1** Dr. James Geller, *Enhancing the Quality of Medical Terminologies* • NJIT, Professor of Computer Science & Associate Dean for Research of College of Computing Sciences	Campus Center: Theatre
2:00 pm – 2:30 pm	**Coffee Break** • Coffee / snacks provided.	Theatre Gallery
2:30 pm – 3:20 pm	**Keynote 2** Dr. William Regli, Deputy Director, DARPA Defense Sciences Office	Campus Center: Theatre

Concurrent Session 1

Time	Event	Location
3:30 pm – 4:45 pm	**Paper Session (Special Topics)** • Lights, Camera, Action! Video Deliverables For Programming Projects (Christa Chewar, Suzanne J. Matthews) • Teaching with Parallella: A first look in an undergraduate parallel computing course (Suzanne J. Matthews) • Student Visualizations (John Beidler)	F207
3:30 pm – 4:45 pm	**Workshop:** Guiding Students to Understand Key Concepts and Develop Process Skills with POGIL • Clif Kussmaul (Muhlenberg College) • Part 1: Continues after break in Session 2	F205
3:30 pm – 4:45 pm	**Workshop:** Whether to Include Java 8 Features in Introductory CS Courses • James Heliotis (Rochester Institute of Technology) • Part 1: Continues after break in Session 2	F204

Concurrent Session 2

Time	Event	Location
4:55 pm – 6:00 pm	**Tutorial:** Web Applications and HTML5 Jumpstart Michael Olan (Stockton University)	F207
4:55 pm – 6:00 pm	**Workshop:** Guiding Students to Understand Key Concepts and Develop Process Skills with POGIL • Clif Kussmaul (Muhlenberg College) • Part 2: Continued from Session 1	F205
4:55 pm – 6:00 pm	**Workshop:** Whether to Include Java 8 Features in Introductory CS Courses • James Heliotis (Rochester Institute of Technology) • Part 2: Continued from Session 1	F204

Poster Session / Reception / Banquet

6:00 pm – 6:40 pm	**Poster Session & Reception**	Campus Center: Board of Trustees Room
6:40 pm – 8:00 pm	**Banquet** **Speaker:** Tom Calloway (Red Hat) *An Introduction to Open Source Software and Communities* • Banquet ticket is included in regular registration and vendor registration. • Tickets available for extra charge for student registration, as well as extra tickets for guests via the registration form.	Campus Center: Board of Trustees Room

Saturday, October 24, 2015

Time	Event	Location
7:30 am – 8:30 am	**Registration**	F-Wing Corridor
7:30 am – 8:30 am	**Continental Breakfast**	F-Wing Corridor
8:20 am – 12:50 pm	**Programming Competition**	D-wing Labs: D004, D018, D019, D027

Concurrent Session 3

8:30 am – 9:45 am	**Paper Session (CS1)** • Enhancing CS1 Curriculum with Testing Concepts (Juan Jenny Li, Patricia Morreale) • Sharing the Preliminary Outcomes of Designing a Semi-standardized, Accessible Concept-Based Introduction to Computing Course Curriculum (Arthur Hoskey, Sen Zhang, Howard Reed, Cynthia Marcello) • Analyzing Novice Programmers' Response to Compiler Error Messages (Jonathan P Munson, Elizabeth A Schilling)	F207
8:30 am – 9:45 am	**NSF DUE Information Session** Michael Erlinger, Program Officer, NSF DUE (Div. of Undergraduate Education)	F205
8:30 am – 9:45 am	**Nifty Ideas / Lightning Talks Session**	F204

Break

9:45 am – 10:05 am	**Coffee Break** • Coffee / snacks provided.	F-Wing Corridor

Concurrent Session 4

10:05 am – 11:20 am	**Paper Session (Beyond the Classroom)** • A Small Paper on Smalltalks: Experiences in Running a Student-Faculty Colloquium Series (Brian Heinold, Frederick Portier, Scott Weiss) • iPractice: A Self-Assessment Tool for Students Learning Computer Programming in an Urban Campus (Benito Mendoza, Jose Reyes-Alamo, Huixin Wu, Aparicio Carranza, Laura Zavala) • More Insights on a Peer Tutoring Model for Small Schools with Limited Funding and Resources (Dee A. B. Weikle)	F207
10:05 am – 11:20 am	**Tutorial:** Databases, Everyone! Customizable Animations with Self-Assessment • Don Goelman (Villanova University)	F205
10:05 am – 11:20 am	**Paper Session (Algorithms)** • Assessment of a Project-Based Curriculum for Algorithm Design and NP-Completeness Centered on the Traveling Salesperson Problem (Andrea Lobo, Ganesh Baliga) • The simplex method in an advanced algorithms course (Gerald Shultz) • Algorithm Design Strategies in CS Curricula 2013: Hits and Misses (Anany Levitin)	F204

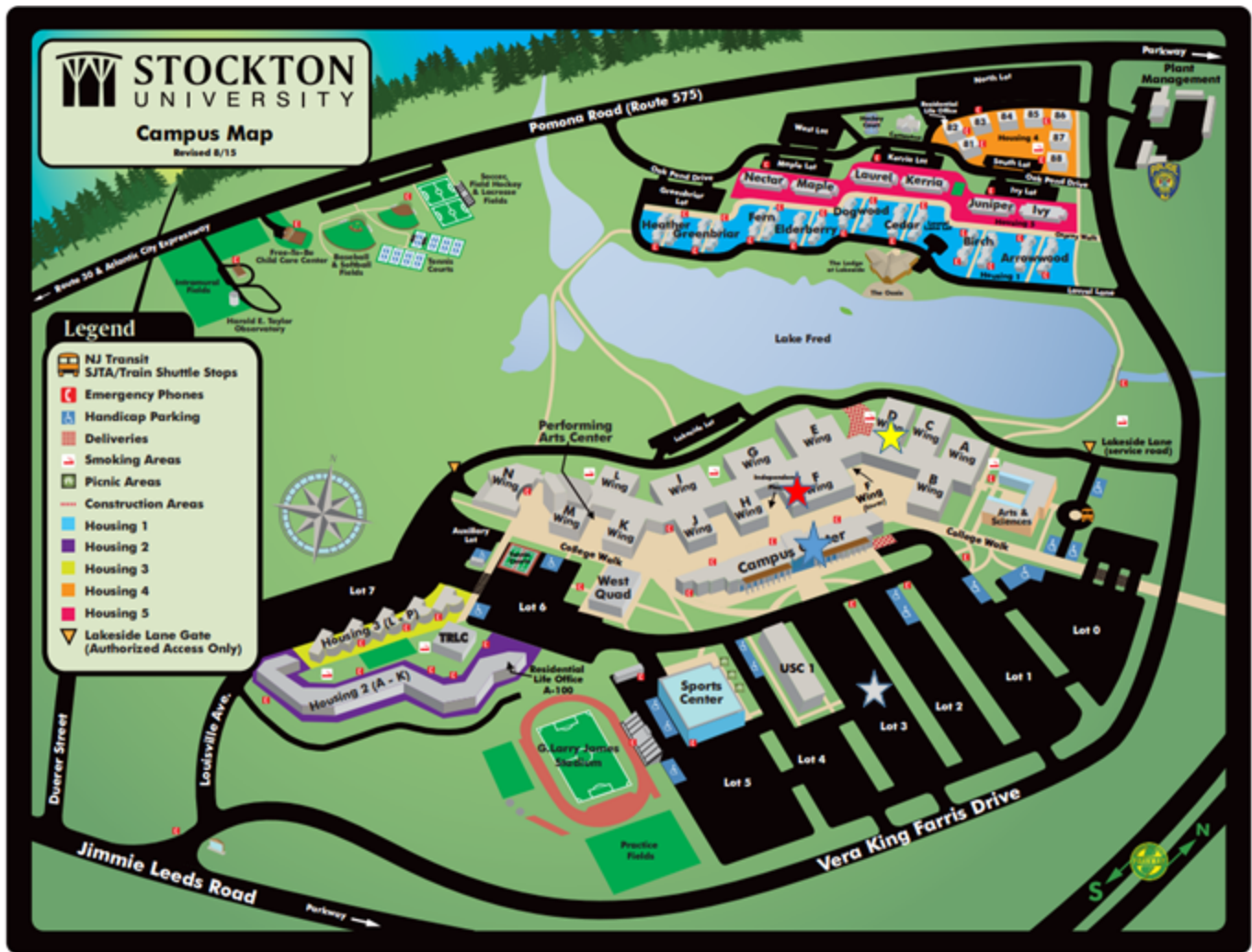## Concurrent Session 5

11:30 am – 12:45 pm	**Paper Session (Big Data)** • Foundations of a Cross-Disciplinary Pedagogy for Big Data (Joshua Eckroth) • Big Data: Motivating the Development of an Advanced Database Systems Course (Adam Villa) • Using node.js to manage distributed computation of Python programs using inexpensive computing clusters (Robin Snyder)	F207
11:30 am – 12:45 pm	**Tutorial:** Web Applications and HTML5 Jumpstart • Michael Olan (Stockton University)	F205

Lunch and Awards

1:00 pm – 2:30 pm	**Luncheon and Awards** • Luncheon: included in both regular and student registration, as well as for programming teams. • Awards for paper and poster sessions. • Awards for programing competition.	Campus Center Event Room

Steering Committee Meeting

2:30 pm – 3:30 pm	**Steering Committee Meeting** • Planning meeting for 2016. • All who are interested in helping organize next year's conference are invited.	Campus Center: Meeting Room MR1

Stockton University Campus Map — Revised 8/15

⭐ **Parking:** You may park in any of lots 0 to 7. Preferred lot order relative to conference location: 3, 2, 1, 4, 5, 6, 7, 0.

⭐ **Campus Center Theatre:** Welcome & Keynote

⭐ **Campus Center Board of Trustees Room:** Poster Session, Reception, Banquet

⭐ **Campus Center Event Room:** Luncheon & Awards Ceremony

⭐ **F-Wing Classrooms (F204, F205, F207):** Concurrent Sessions

⭐ **F-Wing Corridor:** Coffee Breaks

⭐ **D-Wing Computer Labs (D004, D018, D019, D027):** Programming Competition