Consortium for Computing Sciences in Colleges

Northwestern Conference, 2015 Program

Seattle Pacific University (SPU)
Seattle, Washington

October 9-10, 2015

Friday, 10/9/15

Time	OMH (Otto Miller Hall) Lobby	Room	
		Hendricks Falcon Club, Royal Brougham Pavilion	
noon - 5pm	Registration		
noon	Student Poster Setup		
1:00pm	(plenary session)	Welcome: Elaine Weltz, *CCSC-NW '15 Conference Chair, SPU* Dr. Bruce Congdon, *Dean of the Division of STEM and Social Sciences, College of Arts and Sciences, SPU*	
1:15pm		Keynote: **Drawing Inspiration from the Teaching of Art** Peter Shirley, *CTO, Purity LLC* This talk makes a case that the visual arts paradigm is well-suited to Computer Science education, and maps out the implications for curriculum design.	
		OMH 225	**OMH 253**
2:15pm	Student Poster Viewing	Break	
2:30pm		Tutorial 1: **Database Everyone! Customizable Animations with Self-Assessment** Suzanne W. Dietrich, *Arizona State University*	Tutorial 2: **Teaching Offensive Security in a Virtual Environment** Yan Bai, *University of Washington Tacoma* Xinli Wang, *Michigan Technological University*

Friday, 10/9/15

Time	OMH (Otto Miller Hall) Lobby	OMH 245	OMH 215
4:00pm	Break/Student Poster Viewing		
4:30pm		Papers 1: Session Chair: *TBD* **The Design of a Programming Environment to Support Greater Social Awareness and Participation in Early Computing Courses** Adam S. Carter, *Washington State University* Christopher D. Hundhausen, *Washington State University* **Agile.EDU An Agile Undergraduate Software Engineering Course** Greg Gagne, *Westminster College*	Tutorial 3: **What Educators Need to Know About Where OpenGL is and Where it is Going** Mike Bailey, *Oregon State University*
		Open discussion with national CCSC board.	
6:00pm	(sessions end)		
	Friday evening events will take place on campus in the Upper Gwinn Commons.		
6:30pm	Social Hour (complimentary refreshments)		
7:00pm	Banquet		
7:30pm	Student Elevator Pitches		
8:00pm	Dessert & Coffee Speaker: Matthew Dickerson, *Middlebury College* **Can Computers Reason (and Enjoy Sex)?** This talk will explore the possibilities of artificial intelligence and the capabilities and limitations of computers from a philosophical framework, drawing on philosophy of mind to ask the question whether or not computers can reason -- either now, or at any time in the future.		

Saturday, 10/10/15

Time	OMH Lobby	OMH 245	OMH 225	OMH 215
		Room		
8:00am			Breakfast	
8:30am			<u>Birds-of-a-Feather Sessions</u>	<u>Tutorial 4:</u>
9:00am		<u>Papers 2:</u> Session Chair: Kelvin Sung, *University of Washington, Bothell* **3D Game Development with Unity in the Computer Science Curriculum** Lubomir Ivanov, *Iona College* **Easy Distributed Grid Architecture for Research: Easy Access to Supercomputing** Brent Wilson, *George Fox University* Michael Vandeberg, *Virginia Tech University*		**Teaching the Entire Software Development Life Cycle** David Klappholz, *Stevens Institute of Technology*
10:00am	Student Poster Viewing		Break	

		OMH 245		OMH 244
10:30am		<u>Panel 1:</u> **3D Printing in the Classroom and Laboratory** Mike Bailey, *Oregon State University* John Grieco, *The Evergreen State College* Arlen Speights, *The Evergreen State College* Richard Weiss, *The Evergreen State College* Genevieve Orr, *Willamette University*		<u>Tutorial 5:</u> **An Introduction to `coaster`** Robert R. Lewis, *Washington State University, Tri-Cities* (optionally, each attendee is invited to bring a GPU-accelerated Windows or Linux laptop with OpenGL 3.3 or later SDK installed)

		OMH 109		
12:00pm		Lunch Presentation of Student Awards		
1:00pm	Student Poster Removal	CCSC-NW Regional Board Meeting (all are encouraged to attend)		