Consortium for Computing Sciences in Colleges

Northwestern Conference, 2012 Program

The Evergreen State College
Olympia, Washington

October 5-6, 2012

Friday, 10/05/12

Time	SEM II B1107	SEM II B3105	Library 2617	SEM II B1105
	Room (unless otherwise noted)			
noon	Student Poster Setup	Registration (in Sem II B1107 until 5pm)		
1pm	(plenary session)			Welcome: Judy Cushing and Richard Weiss, *CCSC-NW '12 Conference Co-Chairs*, *The Evergreen State College* Les Purce, *President*, *The Evergreen State College*
1:15pm				Keynote: Perry R. Cook, *Professor Emeritus, Computer Science and Dept. of Music, Princeton University,* *http://www.cs.princeton.edu/~prc,* **Laptop Orchestras, Robotic Drummers, Singing Machines, and Musical Kitchenware: Learning Programming, Algorithms, User Interface Design, and Science Through the Arts**
2:10pm	Break (in Sem II B1107)			
2:30pm	Student Poster Viewing	Birds of a Feather Discussion and Demonstration: **Computational Music,** Perry R. Cook, *Princeton University*	Tutorial 1: **Cybersecurity I** Richard Weiss, *The Evergreen State College* Jens Mache, *Lewis & Clark College* Brian Hay, *University of Alaska* Vincent Nestler, *Idaho State University*	Papers 1: Session Chair: Brent Wilson, *George Fox University* **Collaborative Mentoring of Student Research: A Parallal CUDA C Implementation of Kinetic Monte Carlo** Lubomir Ivanov, *Iona College* **Alan Turing, Animal Spots, and Algorithms** Kathie Yerion, *Gonzaga University* **Modified Protothreads for Embedded Systems** Paul H. Shimpf, *Eastern Washington University*
4:10pm	Student Poster Viewing	Break (in Upstairs Foyer)		

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	SEM II B1107	SEM II B3105	Library 2617	SEM II B1105
4:30pm	(continues)		Tutorial 1 (cont.): **Cybersecurity II** Richard Weiss, *The Evergreen State College* Jens Mache, *Lewis & Clark College* Brian Hay, *University of Alaska* Vincent Nestler, *Idaho State University* *Note: You may attend Part II of this tutorial without attending Part I.*	Papers 2: Session Chair: Jenny Orr, *Willamette University* **How Do We Teach Graphics with OpenGL?** David Wolff, *Pacific Lutheran University* **coaster: Teaching Computer Graphics with a Comprehensive Project (A Work in Progress)** Robert R. Lewis, *Washington State University, Tri-Cities*
	deadline to sign up at the registration desk for the Saturday 9am Campus Tour			
5:35pm				
	Friday evening events will take place at the Waterstreet Cafe (610 Water St., Olympia) and the Heritage Room (604 Water St., next door to the Cafe). Directions will be provided on the web site and in the registration packet.			
6pm	Social Hour (No-host Bar) -- Waterstreet Cafe Patio (Wear your coat if it's chilly or rainy!)			
6:45pm	Banquet - Occasions Catering, Heritage Room. http://www.occasions-catering.com/pdf/Directions_To_Heritage_Room.pdf. Welcome by Michael Zimmerman, *Academic Vice President, The Evergreen State College*.			
7:30pm	Concert - organized by Evergreen Music Composition Faculty Arun Chandra. Arun teaches Programming for Digital Audio and Computer Composition at Evergreen and is past Music Director and Conductor of The Olympia Chamber Orchestra. Co-founder, performer, composer, writer, actor, music coach, co-instructor Performers' Workshop Ensemble. In the early 90s, he was also a developer at Wolfram Research, where he designed and programmed the Audio and Music packages for Mathematica, and an eight-part tutorial on digital synthesis.			

Saturday, 10/06/12

Time	Room (unless otherwise noted)			
	SEM II B1107	**SEM II B2105**	**Library 2617**	**SEM II B1105**
8:30am	Continental Breakfast (in Sem II B1107)			
9am	Student Poster Judging	Campus Tour: **Organic Farm, Evergreen Environmental Observatory Network (EEON), Campus Trails, Campus Beach** meet at registration desk (sign up at Registration Desk BEFORE 4:30pm Friday!)	Tutorial 2: **Parallelism/GPUs** Jens Mache, *Lewis & Clark College*	Papers 3: Session Chair: Elaine Weltz, *Seattle Pacific University* **Grid Music: Teaching CS Concepts with Algorithmic Composition** Stephen P. Carl, *Sewanee: The University of the South* Nels Oscar, *Oregon State University* **Changing Girls' Attitudes Towards Computer Science** Shereen Khoja, *Pacific University* Camille Wainwright, *Pacific University* Juliet Brosing, *Pacific University* Jeffrey Barlow, *Pacific University*
10:05am		Break (in Sem II B1107)		
10:30am		Invited Demonstration: **COMTOR: A Cloud-based Tool for Helping Assess Source Code Comment Quality** Peter DePasquale, *The College of New Jersey* Michael Locasto, *University of Calgary*	Tutorial 3: **A Recursive Ray Tracer Assignment** Genevieve Orr, *Willamette U.*	Papers 4: Session Chair: Laurie Murphy, *Pacific Lutheran University* **The Function, and Dysfunction, of Information Sources in Learning Functional Programming** Christopher Chambers, *Oregon State University* Sheng Chen, *Oregon State University* Duc Le, *Oregon State University* Christopher Scaffidi, *Oregon State University* **Dream Coders: A 2D Role Playing Game for Teaching Introductory Programming Concepts** Jack Keng-Wei Chang, *University of Washington, Bothell* Loang Hoang Dang, *University of Washington, Bothell* Jebediah Pavleas, *University of Washington, Bothell* Joseph F. McCarthy, *University of Washington, Bothell* Kelvin Sung, *University of Washington, Bothell* Jason Bay, *Glu Mobile, Inc.*
11:45am	Lunch (in Sem II B1107) Presentation of Student Awards			
12:15pm				CCSC-NW Regional Board Meeting (all are welcome to attend)
12:45pm	Student Poster Removal			