

**Consortium for Computing Sciences in Colleges
Northwestern Conference, 2016 Program**

**Lewis & Clark College
Portland, Oregon**

October 7-8, 2016

Friday, 10/7/16

	Room		
Time	Stamm (in Templeton Building)	Miller 102	Miller 103
noon - 5pm	Registration		
noon	Student Poster Setup		
1:00pm	(plenary session)	<u>Welcome:</u> Peter Drake, <i>CCSC-NW '15 Conference Chair, Lewis & Clark College</i> John Krussel, <i>Associate Dean for Student Academic Affairs, Lewis & Clark College</i>	(plenary session)
1:15pm		<u>Keynote:</u> Visualization Analysis and Design Tamara Munzner, <i>University of British Columbia</i> Computer-based visualization (vis) systems provide visual representations of datasets designed to help people carry out tasks more effectively. Vis usage can be analyzed in terms of why the user needs it, what data is shown, and how the idiom is designed; Prof. Munzner will discuss this framework for analyzing the design of visualization systems.	
2:15pm	Student Poster Viewing	Break	
2:30pm		<u>Papers 1:</u> Session Chair: Yuanyan Jiang Identifying Knowledge, Skills, and Abilities (KSA) for DevOps-Aware Server-Side Web Application with the Grounded Theory Sam Chung, <i>Southern Illinois University Carbondale</i> Soon Bang Hands-On Exercises about DNS Attacks: Details, Setup, and Lessons Learned Charles Wright, <i>Portland State University</i> Jens Mache <i>Lewis & Clark College</i> Richard Weiss, <i>The Evergreen State College</i>	<u>Tutorial 1:</u> Teaching Computer Science to Biologists and Chemists, Using Jupyter Notebooks Adam A. Smith, <i>University of Puget Sound</i>

Friday, 10/7/16

Time	Stamm (in Templeton Building)	Miller 102	Dubach Mac Lab
4:00pm	Break/Student Poster Viewing		
4:30pm		<p><u>Papers 2:</u> Session Chair: Sam Chung</p> <p>Building Casual Game SDKs for Teaching CS1/2: A Case Study Kelvin Sung, <i>University of Washington Bothell</i> Rob Nash Jason Pace</p> <p>Developing a Short Undergraduate Introduction to Online Machine Learning Travis Mandel, <i>University of Washington</i> Jens Mache, <i>Lewis & Clark College</i></p>	<p><u>Tutorial 2:</u></p> <p>Teaching Computer Architecture with a "Live" Assembler Robert R. Lewis, <i>Washington State University Tri-Cities</i></p>
6:00pm	(sessions end)		
	Friday evening events will take place on campus in Stamm.		
6:30pm	Social Hour (complimentary refreshments)		
7:00pm	Banquet		
7:45pm	Student Elevator Pitches		
8:00pm	<p>Dessert & Coffee</p> <p>Dinner Keynote Speaker: Alexandra Zafiroglu, <i>Intel Corporation</i></p> <p>From Trickle to Flood: Daily Life and Data At Home and on the Go</p> <p>Dr. Zafiroglu defines transformational experiences in domestic spaces including homes and private passenger cars, and across Intel device categories from desktop computers to gateways to set top boxes and Internet of Things platforms and devices. Her research spans the development of experiences from concept design through to product definition and assessment, within Intel and in collaboration with customers.</p>		
9:30pm	<p>Fire Dancing</p> <p>in front of Maggie's Cafe (which is attached to Roberts Hall)</p>		

Saturday, 10/8/16

Time	Stamm (in Templeton Building)	Miller 102	Miller 103
8:00am	Breakfast		
8:30am	<u>Vendor Talk 1:</u> Cloud in the Classroom Laurie White, <i>Google</i>	<u>Papers 3:</u> Session Chair: Esteban Valle Cuda Programming in the Core Curriculum: a Preliminary Study Scott Burgess, <i>Humboldt State University</i> Brian Page Art in Theory of Computation Tammy VanDeGrift, <i>University of Portland</i>	<u>Tutorial 3:</u> A Brief Overview of Machine Learning with Python Genevieve Orr, <i>Willamette University</i> Peter Drake, <i>Lewis & Clark College</i> Judith B. Cushing, <i>Evergreen State College</i>
9:15am	<u>Vendor Talk 2:</u> GitHub Classroom Scott Sanicki, <i>GitHub</i>		
10:00am	Break/Student Poster Judging		Dubach Mac Lab
10:30am	<u>Vendor Talk 3:</u> Teaching Programming with Sensors using Arduino, EV3, Scratch, or LabVIEW David Vernier, <i>Vernier Software</i>	<u>Panel 1:</u> Computer Science Program Evaluation and Curriculum Assessment Haiyan Cheng, <i>Willamette University</i> Shereen Khoja, <i>Pacific University</i> Tammy VanDeGrift, <i>University of Portland</i> Brent Wilson, <i>George Fox University</i>	<u>Tutorial 4:</u> Hands-on Cybersecurity Exercises for Introductory Classes Richard Weiss, <i>The Evergreen State College</i> Jens Mache, <i>Lewis & Clark College</i>
12:00pm	Lunch Presentation of Student Awards		
1:00pm	CCSC-NW Regional Board Meeting (all are encouraged to attend)		
1:30pm		<u>Panel 2:</u> How AP Computer Science Principles and AP Computer Science A Fit with Our Schools Rob Bryant, <i>Gonzaga University</i> David Ely, <i>Lewis & Clark College</i> Robert R. Lewis, <i>Washington State University Tri-Cities</i> Kelvin Sung, <i>University of Washington Bothell</i> Brent Wilson, <i>George Fox University</i>	
3:00pm	(adjourn)		