

**Consortium for Computing Sciences in Colleges Northwestern Conference
2017 Program**

**Washington State University, Tri-Cities
Richland, Washington**

October 6-7, 2017

Friday, October 6

	Room			
Time	CIC 216 (Auditorium)	CIC 214	CIC 212	CIC 210
1:00 – 5:00	Registration (hallway outside conference rooms)			
1:00				Partner exhibits & student posters setup
2:00	<u>Welcome</u> Bob Lewis, CCSC-NW '17 Conference Chair, <i>Washington State University, Tri-Cities</i> Dr. Martin Klotz, Vice Chancellor for Academic Affairs, <i>Washington State University, Tri-Cities</i>			
2:15	<u>Keynote</u> GenderMag: Getting Gender Biases out of Software Margaret Burnett, <i>Oregon State University</i> Gender inclusiveness in software companies is receiving a lot of attention these days, but it overlooks a potentially critical factor: software itself. In this talk, I'll present a method called GenderMag, which detects gender biases in user- facing parts of software. At the core of the GenderMag method are 5 facets of gender differences drawn from a large body of foundational work on gender differences from computer science, psychology, education, communications, and women's studies. We present tales from the trenches on using GenderMag in the real world, empirical results so far, and our emerging work to facilitate teaching it in college Software Engineering and HCI classes.			
3:00	Break			Student poster viewing Partner showcase

<p>3:15</p>	<p><u>Papers 1</u> Chair: Janet Davis, <i>Whitman College</i></p> <p>Applying a framework for creating and analyzing cybersecurity questions for peer instruction Nick Tan, George Shoemaker, Ahmed Gedi, and Jens Mache, <i>Lewis & Clark College</i> Richard Weiss, <i>Evergreen State College</i></p> <p>Integrating Cybersecurity into the Sociology Curriculum: The Case of the Password Module Claude Turner and Carlene Turner, <i>Norfolk State University</i></p> <p>High-Level and Formal Cisco Routing Policy Verification Matthew A. Brown, <i>University of Oregon</i> Daniel Conte de Leon, Ananth A. Jillepalli, Antonius Stalick, and Jim Alves-Foss, <i>University of Idaho</i></p>	<p><u>Panel 1</u></p> <p>Strategies for Increasing Undergraduate Women in Computer Science 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></p>	<p><u>Partners 1</u></p> <p>Encouraging student confidence through engagement: the power of interactive learning in STEM Malcolm Townsend, <i>ZyBooks</i></p> <p>Grading Both Written and Programming Assignments on One Platform Michael Ball, <i>Gradescope</i></p>	
<p>4:45</p>	<p>Break</p>			<p>Student poster viewing Partner showcase</p>
<p>5:00</p>	<p><u>Papers 2</u> Chair: Brent Wilson, <i>George Fox University</i></p> <p>Breakout from x86 Assembly to a Breadboard: A Lab for Introductory Computer Organization Michael Black, Christian Brady, and Tyler Goulski, <i>Bridgewater State University</i></p> <p>Exposing Students to Deterministic Finite Automata in a Graphical User Interface Course Paul H Schimpf, <i>Eastern Washington University</i></p> <p>Implementation Projects in a Computing Theory Course Tammy VanDeGrift, <i>University of Portland</i></p>	<p><u>Tutorial 1</u></p> <p>Pear Deck: An Interactive Classroom Response System To Encourage Student Engagement In Classrooms Jens Mache, <i>Lewis & Clark College</i> Nick Tan, <i>Lewis & Clark College</i> Richard Weiss, <i>Evergreen State College</i></p>	<p><u>Partners 2</u></p> <p>Intel® Nervana™ AI Portfolio with demo on Intel® Nervana™ DevCloud Michael Hernandez and Daman Oberoi, <i>Intel</i></p>	
<p>6:30</p>	<p>Social Hour (complimentary refreshments). All evening activities will take place in CIC 120/120A, downstairs.</p>			
<p>7:00</p>	<p>Banquet</p>			
<p>7:45</p>	<p>Student elevator pitches</p>			
<p>8:00</p>	<p>Evening entertainment Trillium-239 (folk trio)</p>			

Saturday, October 7

Time	Room			
	CIC 216 (Auditorium)	CIC 214	CIC 212	CIC 210
8:00 - Noon	Registration (hallway outside conference rooms)			
8:00	Breakfast (hallway outside conference rooms)			
8:30	<p><u>Papers 3</u> Chair: TBA</p> <p>Operational Versus Analytical Data: A Highly Instructive Distinction Celia Schahczenski, <i>Montana Tech</i></p> <p>Algorithms for Procedural Dungeon Generation Nathan Hilliard, John Salis, and Hala ElAarag, <i>Stetson University</i></p> <p>Hierarchical Dungeon Procedural Generation and Optimal Path Finding Based on User Input Jacob Hell, Michael Clay, and Hala ElAarag, <i>Stetson University</i></p>	<p><u>Panel 2</u></p> <p>Hiring in Small Colleges in the Northwest Region Scott Burgess, <i>Humboldt State University</i> Marc Rubin, <i>Oregon State University, Cascades</i> Sharon Tuttle, <i>Humboldt State University</i> Brent Wilson, <i>George Fox University</i></p>	<p><u>Partners 3</u></p> <p>Machine Learning using Pre-Trained Models Laurie White and Alejandro Villanueva, <i>Google</i></p>	
10:00	Break			Student poster viewing Partner showcase
10:30	<p><u>Papers 4</u> Chair: Shereen Khoja, <i>Pacific University</i></p> <p>Analysis of Freshmen Designs and the Correlation to Grades Jennifer Parham-Mocello and Shannon Ernst, <i>Oregon State University</i></p> <p>Redesign of a Senior Software Engineering Course with Dual Projects Xuguang Chen, <i>Saint Martin's University</i></p> <p>A Successful Multi-Course Project Celia Schahczenski and Frank Ackerman, <i>Montana Tech</i></p>	<p><u>Tutorial 2</u></p> <p>Data Warehouse, ETL, and SSIS Mario Guimaraes, <i>Saint Martin's University</i></p>	<p><u>Partners 4</u></p> <p>High School, Higher Education and Industry Collaborations to Support Inspiration and Preparation for Computing and Cyber Security Careers Ann Wright-Mockler and Evangelina Shreeve, <i>Pacific Northwest National Lab</i></p>	
12:00	Lunch (CIC 120/120A) Presentation of student awards			
1:30	Tour of LIGO, the Laser Interferometric Gravitational Observatory			

Exhibitors

- GitHub (Platinum national partner)
- Google (Platinum national partner)
- NCWIT (Bronze national partner)
- Gradescope
- Intel
- Mercury Learning
- MIT Press
- Pacific Northwest National Lab
- Zybooks