

**Consortium for Computing Sciences in Colleges Northwestern Conference
2017 Program (DRAFT)**

**Washington State University
Richland, Washington**

October 6-7, 2017

Friday, October 6

	Room			
Time	CIC 216 (Auditorium)	CIC 214	CIC 212	CIC 210
2 pm - 5 pm	Registration (hallway outside conference rooms)			
Noon				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> Session chair: TBD</p> <p>Applying a framework for creating and analyzing cybersecurity questions for peer instruction Nick Tan, George Shoemaker, Ahmed Gedi, Jens Mache, Richard Weiss</p> <p>Integrating Cybersecurity into the Sociology Curriculum: The Case of the Password Module Claude Turner, Carlene Turner</p> <p>High-Level and Formal Cisco Routing Policy Verification Matthew A. Brown, Daniel Conte de Leon, Ananth A. Jillepalli, Antonius Stalick, Jim Alves-Foss</p>	<p><u>Panel 1</u></p> <p>Strategies for Increasing Undergraduate Women in Computer Science Haiyan Cheng, Shereen Khoja, Tammy VanDeGrift, Brent Wilson</p>	<p><u>Partners 1</u></p> <p>Title TBA Presenter TBA, <i>Intel</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> Session chair: TBD</p> <p>Breakout from x86 Assembly to a Breadboard: A Lab for Introductory Computer Organization Michael Black, Christian Brady, Tyler Goulski</p> <p>Exposing Students to Deterministic Finite Automata in a Graphical User Interface Course Paul H Schimpf</p> <p>Implementation Projects in a Computing Theory Course Tammy VanDeGrift</p>	<p><u>Tutorial 1</u></p> <p>Pear Deck: An Interactive Classroom Response System To Encourage Student Engagement In Classrooms Jens Mache, Nick Tan, Richard Weiss</p>	<p><u>Partners 2</u></p> <p>Title TBA Presenter TBA, <i>ZyBooks</i></p> <p>Title TBA Presenter TBA, <i>GradeScope</i></p>	
<p>All evening activities will take place in CIC 102/102A, downstairs</p>				
<p>6:30</p>	<p>Social Hour (complimentary refreshments)</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

	Room			
Time	CIC 216 (Auditorium)	CIC 214	CIC 212	CIC 210
8:00 - Noon				Registration
8:00				Breakfast
8:30	<p><u>Papers 3</u> Session chair: TBD</p> <p>Operational Versus Analytical Data: A Highly Instructive Distinction Celia Schahczenski</p> <p>Algorithms for Procedural Dungeon Generation Nathan Hilliard, John Salis, Hala ElAarag</p> <p>Hierarchical Dungeon Procedural Generation and Optimal Path Finding Based on User Input Jacob Hell, Michael Clay, Hala ElAarag</p>	<p><u>Panel 2</u></p> <p>Hiring in Small Colleges in the Northwest Region Scott Burgess, Marc Rubin, Sharon Tuttle, Brent Wilson</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> Session chair: TBD</p> <p>Analysis of Freshmen Designs and the Correlation to Grades Jennifer Parham-Mocello, Shannon Ernst</p> <p>Redesign of a Senior Software Engineering Course with Dual Projects Xuguang Chen</p> <p>A Successful Multi-Course Project Celia Schahczenski, Frank Ackerman</p>	<p><u>Tutorial 2</u></p> <p>Data Warehouse, ETL, and SSIS Mario Guimaraes</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 Presenter TBD, <i>Pacific Northwest National Labs</i></p>	
12:00	Lunch (CIC 102/102A) Presentation of student awards			
1:30	Tour of LIGO, the Laser Interferometric Gravitational Observatory			