## **Consortium for Computing Sciences in Colleges**

# Northwestern Conference, 2022 Program

## Portland Community College Portland, OR

November 4-5, 2022

#### Friday 11/04/22

Time	TCB 218	TCB 215	TCB 216	TCB 217
noon - 5pm	Registration			
noon	Student Poster Setup (in Atrium)			
1:00pm	Welcome:			
	Gayathri Iyer CCSC-NW '22 Conference Chair Portland Community College Dr. Alyson Lighthart, Pathways Dean Science, Computing, and Engineering Portland Community College	(plenary session)		
1:15pm	Keynote:			
	Automation to Soul: Reflections on Tooling Support for Mathematics and Programming Education Peter-Michael Osera Grinnell College In this talk, I reflect on the lessons I have learned pursuing the dream of educational tools from the world of programming languages and systems.			
2:15pm	Break and Partner Exhibits Student Poster Viewing (in Atrium)			

#### Friday 11/04/22

	Troom (amess other wise noted)				
Time	TCB 218	TCB 215	TCB 216	TCB 217	
2:30pm	Papers 1:	Tutorial 1:	Tutorial 2:		
	Session Chair: Razvan Mezei				
		Tutorial on Automating	Reflective Curriculum Review for		
	Alumni as Adjunct Faculty and	Configuring Parallel Compute	<b>Liberal Arts Computing Programs</b>		
	<b>Mentors for Computer Science I</b>	Environments	Jakob Barnard <sup>1</sup> , Grant Braught <sup>2</sup> ,		
	Students	Bryan Dixon	Janet Davis³, Amanda Holland-		
	Tammy VanDeGrift	California State University, Chico	Minkley⁴, David Reed⁵, Karl		
	University of Portland		Schmitt <sup>6</sup> , Andrea Tartaro <sup>7</sup> , James		
			Teresco <sup>8</sup>		
	<b>Automatic Assessment of the Design</b>		<sup>1</sup> University of Jamestown		
	Quality of Student Python and Java		<sup>2</sup> Dickinson College		
	Programs		<sup>3</sup> Whitman College		
	J. Walker Orr		<sup>4</sup> Washington & Jefferson College		
	George Fox University		<sup>5</sup> Creighton University		
			<sup>6</sup> Trinity Christian College		
	Github Copilot in the Classroom:		<sup>7</sup> Furman University		
	Learning to Code with AI		<sup>8</sup> Siena College		
	Assistance				
	Ben Puryear, Gina Sprint				
	Gonzaga University				
4:00pm	Break and Partner Exhibits				
	Student Poster Viewing				
	(in Atrium)				

#### Friday 11/04/22

TP*	TCD 210	TCD 215	<u> </u>	TCD 217
Time	TCB 218	TCB 215	TCB 216	TCB 217
4:30pm	Papers 2: Session Chair: <i>Shereen Khoja</i>	Tutorial 3:	Tutorial 4:	Partners 1:
	Session Chair. Shereen Khoju	An Introduction to MPI Parallel	Bloom's for Computing: Crafting	The Evolution of Cloud Tutorials
	Successfully Incorporating a Cyber	Programming with MPJ Express		Laurie White
	Security Competition into an	Library	Enhanced Verb Lists for	Google
	Introduction to Computer Security	Xuguang Chen	<b>Computing Competencies</b>	
	Course	Saint Martin's University	Cara Tang <sup>1</sup> , Markus Geissler <sup>2</sup> ,	
	David Ray Zeichick		Christian Servin <sup>3</sup>	
	California State University, Chico		Portland Community College Cosumnes River College	
	A Survey of Cloud-hosted,		<sup>3</sup> El Paso Community College	
	Publically-Available, Cyber-ranges			
	for Educational Institutions			
	Stu Steiner <sup>1</sup> , Ananth Jillepalli <sup>2</sup> , Daniel			
	Conte de Leon <sup>2</sup>			
	<sup>1</sup> Eastern Washington University			
	<sup>2</sup> University of Idaho			
	Hands-on SQL Injection in the			
	Classroom: Lessons Learned			
	Jens Mache <sup>1</sup> , Nicholas Richardson <sup>1</sup> , Wyeth Greenlaw Rollins <sup>1</sup> , Carlos			
	García Morán <sup>1</sup> , Alain Kaegi <sup>1</sup> , Richard			
	Weiss <sup>2</sup>			
	<sup>1</sup> Lewis & Clark College			
	<sup>2</sup> The Evergreen State College			
6:00pm	(sessions end)			
	(all evening events take place in the			
	Tree Rooms of the CC (College			
	Center) Building)			
6:15pm	Social Programme (non-stantative)			
C 45	Beverages (non-alcoholic)			
6:45pm	Banquet			
7:45pm	Student elevator pitches			
8:00pm	End of day social			
8:45pm	(banquet ends)			

## **Saturday** 11/05/22

Time	TCB 218	TCB 215	TCB 216	TCB 217
8:00am	Breakfast (in Atrium)			
8:30am	Papers 3: Session Chair: Gina Sprint	Tutorial 5:	Tutorial 6:	Partners 2:
	Teaching Software Project Management through Roleplay via Game Development Nathaniel Kremer-Herman Seattle University	Teaching Web Development Using ASP .Net Core MVC Razvan Mezei Saint Martin's University	From Torches to Transistors: Using Minecraft to Teach Processor Architecture Jeff Caley, Kieran Kim-Murphy Pacific Lutheran University	Coding with Python and Vernier: Integrating Data Collection into Coding Activities Tom Smith Vernier Science Education
	A Systematic Review on the Effectiveness of Programming Camps on Middle School Students' Programming Knowledge and Attitudes of Computing  Carla Marcela De Lira <sup>1</sup> , Rachel Wong <sup>2</sup> , Olusola Adesope <sup>1</sup> <sup>1</sup> Washington State University <sup>2</sup> University of Tennessee  A Course Model for Enhancing			
	Applied Non-Technical Skills of Computer Science Students Ben Tribelhorn <sup>1</sup> , Radana Dvorak <sup>2</sup> <sup>1</sup> University of Portland <sup>2</sup> St. Martin's University			
10:00am	Break and Partner Exhibits Student Poster Judging (in Atrium)			
10:30am		Tutorial 7:	Panel:	
		Conducting Departmental Reviews and Serving as a Reviewer Henry M. Walker Grinnell College	Professionals' Perspectives on Liberal Arts and Computing Skills Shereen Khoja <sup>1</sup> , Tammy VanDeGrift <sup>2</sup> <sup>1</sup> Pacific University <sup>2</sup> University of Portland	

## **Saturday** 11/05/22

Time	TCB 218	TCB 215	TCB 216	TCB 217
	Lunch Student Poster Awards Regional Board Meeting (in Atrium)			
1:30pm	(conference adjourned)			

















