

Consortium for Computing Sciences in Colleges

Northwestern Conference, 2021 Program

St. Martin's University

Lacey, WA

October 8-9, 2021

Friday 10/08/21

	Room (unless otherwise noted)		
Time	Cebula 3rd Floor	Harned Hall 110	Cebula Classroom 204
noon - 5pm	Registration		
noon	Student Poster Setup (in Cebula Society Room 202)		
1:00pm	<u>Welcome:</u> <i>Mario Guimaraes</i> <i>CCSC-NW '21 Conference Chair</i> <i>St. Martin's University</i> <i>David Olwell, Dean</i> <i>Hal and Inge Marcus School of Engineering</i> <i>St. Martin's University</i>	(plenary session)	
1:15pm	<u>Keynote:</u> Doing the (Almost) Impossible <i>Laurie White</i> <i>Google</i> The resources provided by computing are making tasks that once seemed impossible almost routine. And cloud computing makes these resources available to a far larger audience than ever before. This talk will present some of the (almost) impossible things that have been made possible and look at how they were accomplished.		
2:15pm	Break and Partner Exhibits (in Cebula 3rd Floor) Student Poster Viewing (in Cebula Society Room 202)		

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Time	Cebula 3rd Floor	Harned Hall 110	Cebula Classroom 204
2:30pm	<p><u>Partners 1:</u></p> <p>Let's Do a Qwiklab Laurie White Google</p>	<p><u>Papers 1:</u> Session Chair: <i>Gina Sprint</i></p> <p>Cybersecurity Virtual Labs Open-Source Teaching Initiative: Creating an Entrepreneurial Mindset – Curiosity, Connections & Creating Value (3Cs) <i>Radana Dvorak, John Whiteman</i> <i>City University of Seattle</i></p> <p>A Conceptual Framework for an Introductory Machine Learning Course <i>Anthony Bowman, Leon Jololian</i> <i>University of Alabama at Birmingham</i></p> <p>Visual Sensor Networks: Analysis of Environmental Impacts via Computational Thinking <i>Tisha Gaines</i> <i>Belmont University</i> [Zoom]</p>	<p><u>Tutorials 1:</u> Session Chair: <i>Ben Tribelhorn</i></p> <p>Teaching Numerical Methods to Computer Science Majors using SageMath Interacts <i>Razvan A. Mezei</i> <i>St. Martin's University</i></p> <p>Using Cocalc to teach python <i>Harold Nelson</i> <i>St. Martin's University</i> [Zoom]</p>
4:00pm	<p>Break and Partner Exhibits (in Cebula 3rd Floor) Student Poster Viewing (in Cebula Society Room 202)</p>		

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Time	Cebula 3rd Floor	Harned Hall 110	Cebula Classroom 204
4:30pm	<p><u>Invited Talk:</u></p> <p>NibreNMS, Network Monitoring Tool <i>Mark Wright, Peter Truax</i> <i>St. Martin's University</i></p> <p><u>Partners 2:</u></p> <p>Plagiarism Prevention Strategies: A Focus Group <i>Aubrey Lawson, Taney Shondel, Sarah Towler</i> <i>ZyBooks</i> [Zoom]</p>	<p><u>Papers 2:</u> Session Chair: <i>Robert R. Lewis</i></p> <p>Curricular and community resources: Supporting Scripting for All <i>Lilly Lee, Hallie Seay, Zachary Dodds</i> <i>Harvey Mudd College</i></p> <p>Is Programming Relevant to CS1 Students' Interests? <i>Kevin Buffardi, Subhed Chavan</i> <i>California State University, Chico</i></p> <p>Computing-As-Literacy: Cross-disciplinary Computing for All <i>Arianna Meinking, Kanalu Monaco, Zachary Dodds</i> <i>Harvey Mudd College</i></p>	<p><u>Tutorials 2:</u></p> <p>A Comparison of ETL (Extract, Transform, and Load) Tools: Python vs. Microsoft SQL Server Integration Services (SSIS) <i>Guangyan Li, Mario Guimaraes, Mary Donahoo</i> <i>St. Martin's University</i></p> <p>An Introduction to MPI for Python <i>Xuguang Chen</i> <i>St. Martin's University</i></p>
6:00pm	(sessions end)		
6:15pm	Social Beverages (non-alcoholic) courtesy of the Hal and Inge Marcus School of Engineering.		
6:45pm	Catered Banquet		
7:45pm	Student elevator pitches		
8:00pm	End of day social		
8:45pm	(banquet ends)		

Saturday 10/09/21

	Room (unless otherwise noted)		
Time	Cebula 3rd Floor	Harned Hall 110	Cebula Classroom 204
8:00am	Breakfast		
8:30am	<p><u>Partners 3:</u></p> <p>CS Collaborations and Career Paths at PNNL <i>Ann Wright-Mockler</i> PNNL [Zoom]</p> <p>Including Students with Disabilities in CS Richard Ladner, Sheryl Burgstahler AccessComputing [Zoom]</p>	<p><u>Papers 3:</u> Session Chair: <i>Alex Mezei</i></p> <p>Teaching Test-driven Development of Algorithms behind Data Science Library APIs <i>Gina Sprint</i> Gonzaga University</p> <p>Security In Intelligent Home <i>Mario A Garcia, Yeshihareg Hailu</i> Southeast Missouri State University</p> <p>Researching Expensive Software Bugs: A Writing Assignment and Activity for Computing Students <i>Tammy VanDeGrift</i> University of Portland</p>	<p><u>Tutorial 3:</u></p> <p>Teaching Computer Science in 3D Virtual Worlds <i>Cynthia Calongne</i> St. Martin's University [Zoom]</p>
10:00am	Break and Partner Exhibits (in Cebula 3rd Floor) Student Poster Judging (in Cebula Society Room 202)		

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Time	Cebula 3rd Floor	Harned Hall 110	Cebula Classroom 204
10:30am		<p><u>Papers 4:</u> Session Chair: <i>Alex Mezei</i></p> <p>Developing Machine Learning Course for Anomaly Detection <i>Shyam P. Prabhakar, Dr. Leon Jololia</i> <i>University of Alabama at Birmingham</i></p> <p>Wrapper Algorithm for choosing machine learning functions and methods in SSAS <i>Kelsey Buckles, Eduardo Ogasawara, Eduardo Bezerra, Mario Guimaraes</i> <i>St. Martin's University</i></p> <p>Enhancing Cybersecurity Education and Workforce Through Colorado-Washington Security Scholar Program <i>Yan Bai*, Sang-Yoon Chang+,</i> <i>Ken Lew*, Simeon Wuthier+</i> <i>*University of Washington, Tacoma</i> <i>+University of Colorado, Colorado Springs</i></p>	<p><u>Panel:</u></p> <p>Expanding Career Pathways: The Joy of Teaching Computer Science at Predominately Undergraduate Liberal Arts Institutions <i>Haiyan Cheng</i> <i>Willamette University</i> <i>Janet Davis</i> <i>Whitman College</i> <i>Shereen Khoja</i> <i>Pacific University</i> <i>Tammy VanDeGrift</i> <i>University of Portland</i></p>
noon	Lunch and Student Poster Awards		
1pm	Regional Board Meeting		
1:30pm	(conference adjourned)		
2-4pm	<p>Tour of Washington State Capitol:</p> <p>Gather in 1st floor lobby of Cebula Hall no later than 2 pm. Tour guests will be transported from the M Lot to the Olympia tour location. Tour lasts about an hour (2:30-3:30 pm) followed by return to Saint Martin's campus.</p>		

Thanks to all of our partners:

