



**89th Annual
 ASEE Pacific NW Section Conference
 "Indigenizing Engineering Education"
 March 27-29, 2024
 Montana State University; Bozeman, MT**



Conference Registration: bit.ly/ASEEregister		Lodging (Recommended): Hilton Garden Inn or Hampton Inn Bozeman, MT
--	--	--

Local Host and Contact:		
	Brock LaMeres (Montana State University) lameres@montana.edu	

Conference Committee		
Kevin Chang (University of Idaho) Shiny Abraham (Seattle University) Stephanie Wettstein (Montana State University)	Ashton Greer (Oregon Institute of Technology) Rhonda Young (Gonzaga University) Paul Gannon (Montana State University)	Jonathan Verrett (University of British Columbia) Krishna Pakala (Boise State University)

Conference Schedule

Wednesday, March 27, 2024 6:00 PM - 8:00 PM (American Indian Hall - Main Foyer)	
6:00 PM	Social
6:30 PM	Ceremonial Welcome: Darnell and Robert (Smokey) Rides At The Door, Blackfeet Nation
6:45 PM	Reception/Poster session (sponsored by KEEN)

Thursday, March 28, 2024 7:30 AM - 8:55 AM Welcome (Strand Union Building (SUB) - Ballroom A)	
7:30 AM	Registration (until 10:00 AM)
7:45 AM	Breakfast
8:15 AM	Introductions
8:20 AM	Welcome from Dr. Kevin Chang, Chair, ASEE PNW Section and Dr. Brett Gunnink, Dean, MSU NACOE
8:40 AM	ASEE PNW Section Business Meeting (all attendees invited)

9:00 AM - 10:15 AM Workshop (SUB Ballroom A)	
	The Curious Power of Curiosity <i>Dr. A.L. Ranen McLanahan</i> <i>Kern Family Foundation</i>

10:30 AM – 11:45 AM Sessions (SUB Ballrooms A/B/C)		
Session 1 - to engage (SUB Ballroom A)	Session 2 - to share (SUB Ballroom B)	Session 3 - to learn (SUB Ballroom C)
Creating a Permanent Puyallup Land Acknowledgement and Timber History Display in UWT's new Milgard Hall <i>Mark A. Pagano</i> <i>University of Washington - Tacoma</i>	Lessons Learned from Developing an Integrated and Project-Based Environmental Engineering Curriculum <i>Craig Woolard, Adrienne Phillips, Ellen Lauchnor, Kathryn Plymesser, Catherine Kirkland, Amanda Hohner, Susan Gallagher, Otto Stein</i> <i>Montana State University</i>	Tipi Flow Patterns: Experimental Laboratory-Scale Fluid Visualization <i>Steven Davis, Ryan Anderson, Sarah Morris, Sweeney Windchief, and Elliot Papendorf</i> <i>Montana State University</i>
Students' Reflections, Connections, and Crossed Wires in the Classroom with IEFA in Post Secondary Engineering Education <i>Sidrah MGWatson, Paul Gannon</i> <i>Montana State University</i>	Open Source Engineering for One Planet (EOP) Teaching Resources to Infuse Sustainability Across Engineering Disciplines <i>Cynthia Anderson and Cindy Cooper</i> <i>Alula Consulting and The Lemelson Foundation</i>	Time Series Data Analysis of Student Engagement in a Numerical Methods Course <i>Ali Yalcin, Thomas Lipinski, and Autar Kaw</i> <i>Montana State University and University of South Florida</i>
Reflection on how to prepare students for respectful and meaningful engagement with Indigenous communities in engineering contexts <i>Alon Eisenstein, Jannik Eikenaar</i> <i>University of British Columbia</i>	Creating a Community of Scholars for Large Applied Research Contracts in an Academic Infrastructure Douglas Cairns <i>Montana State University</i>	Using a Taxonomy to Direct Categorization of Physiological Affect Statements - Increase Understanding on Other Sources of Self Efficacy <i>Jennifer Clark and Sage Kittelman</i> <i>Montana State University</i>

12:00 PM – 1:30 PM Lunch Program (SUB Ballroom A)	
12:00 PM	Lunch
12:30 PM	ASEE PNW Awards
12:45 PM	Keynote Presentation: Alyssa Taylor, UCSD
Speaker Bio	Alyssa Taylor received the 2022 ASEE Pacific Northwest Section's Outstanding Teaching Award.

1:45 PM - 3:15 PM Workshops (SUB Ballrooms A/B)		
Workshop 1 (SUB Ballroom A)		Workshop 2 (SUB Ballroom B)
Integrating Sustainability and Resiliency (S&R) in Engineering Education <i>Bhaskar Chittoori, Krishna Pakala, Amy Moll, and Dazhi Yang</i>		Good Communication in Engineering: What Does it Mean? <i>Ellen Lauchnor and Catherine Kirkland Montana State University</i>

3:30 PM – 4:45 PM Sessions (SUB Ballrooms A/B/C)		
Session 4 - to know (SUB Ballroom A)	Session 5 - to belong (SUB Ballroom B)	Session 6 - to connect (SUB Ballroom C)
Exploring the Integration of Narrative Generation <i>Faraz Dadgostari and Sage Kittelman Montana State University</i>	Engineering Narratives: Shaping Identities and Fostering Belonging through Storytelling Interventions <i>Brooke Ward, Krishna Pakala, Anne Hamby, Sara Hagenah, and Eric Jankowski Boise State University</i>	Effect of Single-Item Student Check-in on Student Learning Outcome <i>Ean H. Ng and Ganapathy Natarajan Oregon State University and University of Wisconsin Platteville</i>
Design Thinking for Ethical Senior Capstone Design in Mechanical Engineering <i>Mark A. Pagano University of Washington Tacoma</i>	LGBTQ Network Homophily and Sense of Belonging in STEM Majors <i>Bryce E. Hughes, Nickolas Lambertm and Emmanuel Teye Montana State University</i>	What is the Correlation Between Exam Submission Time and Exam Grade? <i>John Crepeau and Dan Cordon University of Idaho</i>
Enhancing Engineering Education through Indigenous Pedagogy and Growth Mindset: A Study on Problem Identification <i>Quincy Clark, Natasha Mallette, and Jason Clark Oregon State University</i>	Indigenizing STEM Education Using Belonging <i>Michele Yatchmeneff and Matt Calhoun University of Alaska Anchorage</i>	Decarbonize Shipping: An Attempt to Engage Manufacturing and Supply Chain Management Students in an Introductory Engineering Course <i>Eric Leonhardt and Lindsey Genut Western Washington University</i>

5:00 PM – 7:45 PM Dinner Program (SUB Ballroom A)	
5:00 PM	Social (no host)
5:30 PM	Dinner
6:00 PM	Keynote Presentation: Deanna Burgart, University of Calgary
Speaker Bio	Deanna Burgart is a member of the Fond du Lac First Nation in Saskatchewan, Canada. She is a speaker, trainer, engineer and mentor that has a talent for identifying gaps and providing solutions to systemic, organizational and transformational change. She brings over 20 years of experience in the energy industry has served as a Council member for the Association of Science and Engineering Technology Professionals of Alberta (ASET) and as a Director for the Association of Professional Engineers and Geoscientists of Alberta (APEGA) Foundation.

Friday, March 29, 2024	
9:00 AM - 11:00AM Workshop (breakfast on your own) (American Indian Hall)	
Workshop 3 (American Indian Hall)	
	Tipi Building <i>Steven Davis and Sweeney Windchief Montana State University</i>

Optional Activities (provided for your convenience)	
	Museum of the Rockies
	American Computer and Robotics Museum
	47th Annual American Indian Council Powwow