
Event Agenda

2024 Northwest Regional Mathematics Conference

Thu, Apr 18, 2024

- 1:00 PM - 3:00 PM** **State Department Chairs Meeting (Oregon)**
Location: Gallery
- 5:30 PM - 6:45 PM** **Conference Registration Opens**
Location: Library
- 7:00 PM - 7:05 PM** **Welcome and Introductions**
Location: Longhouse Ballroom
- 7:05 PM - 8:00 PM** **Keynote -- "What if Fisher Had Computers?" -- Sponsored by Wiley**
Location: Longhouse Ballroom
Speaker: Patti Frazer Lock
- 8:00 PM - 9:00 PM** **Happy Hour & Social -- Sponsored by Wiley**
Location: Lincoln Pine Courtyard and Fire Pit
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Fri, Apr 19, 2024

- 6:00 AM - 6:45 AM** **Yoga with Eric**
Location: Sitka
Speaker: Eric Ziegler
- 7:15 AM - 8:30 AM** **Breakfast Buffet**
Location: Longhouse Ballroom
- 7:15 AM - 8:30 AM** **Conference Registration**
Location: Salal Room
- 9:00 AM - 11:30 AM** **Exhibits Open**
Location: Terrace Room
- 9:00 AM - 9:45 AM** **Data and Results from Implementing Directed Self Placement and Co-requisite Clases**
Location: Longhouse A
Speakers: Christopher Willett, Kendra Rapp
- 9:00 AM - 9:45 AM** **The mathematics of procedural generation: What does the movie Tron and modern video games have in common?**
Location: Longhouse B
Speaker: Dibyajyoti Deb
- 9:00 AM - 9:45 AM** **Beyond the Calculator: A Conversation about Real World Data Analysis in Introductory Statistics**
Location: Longhouse C
Speaker: Linda Richard
- 9:00 AM - 9:45 AM** **The Ubiquitous Beam: come relax and see how beams handle stress**
Location: Council House A
Speaker: Doug Gardner
- 9:00 AM - 9:45 AM** **An Off-the-wall Math Teacher's Journey to an Anxiety Free Math Classroom**
Location: Council House B
Speaker: Celeste Petersen

9:00 AM - 9:45 AM	<p>Oregon's Common Course Numbering and 2+1 High School Math Pathways: Reimagining Algebra 2 and Precalculus</p> <p>Location: Council House C Speakers: Krista Hocker, Mike Price, Keith Schloeman</p>
9:00 AM - 9:45 AM	<p>Resources and Ideas for Christian Mathematicians</p> <p>Location: Lincoln Speaker: Dusty Wilson</p>
9:00 AM - 9:45 AM	<p>Sample Drafts of the Algebra++ Project</p> <p>Location: Pine Speaker: John Chu</p>
9:00 AM - 9:45 AM	<p>Pearson Innovations: Interactive courses, AI, and Accessibility</p> <p>Location: Gallery Speaker: Evan St. Cyr</p>
10:00 AM - 10:30 AM	<p>Morning Refreshment Break Sponsored by CENGAGE</p>
10:30 AM - 11:15 AM	<p>Math Pathway and Placement Reform at Yakima Valley College</p> <p>Location: Longhouse A Speakers: Matt Lewis, Michael Jenck</p>
10:30 AM - 11:15 AM	<p>#trendingmathprof - Instagram and TikTok Math Influencer</p> <p>Location: Longhouse B Speaker: Tyler Wallace</p>
10:30 AM - 11:15 AM	<p>Let "R" Rip</p> <p>Location: Longhouse C Speaker: John Mitchell</p>
10:30 AM - 11:15 AM	<p>Undergraduate Applications of Taylor Series in ordinary and partial differential equations and numerical analysis.</p> <p>Location: Council House A Speakers: Tiernan Fogarty, Graeme Wilttrout</p>
10:30 AM - 11:15 AM	<p>OER Show and Tell</p> <p>Location: Council House B Speaker: Alys Hugo</p>
10:30 AM - 11:15 AM	<p>Establishing and Managing a Quality Mathematics Dual Credit Program</p> <p>Location: Council House C Speakers: Bret Rickman, Frank Smith, Kate DePaolis</p>
10:30 AM - 11:15 AM	<p>Mathematics of Japan: Wasan & Entrance Examinations</p> <p>Location: Lincoln Speaker: Salah Abed</p>
10:30 AM - 11:15 AM	<p>ALEKS: Effectively Using AI to Enhance Student Learning and Understanding</p> <p>Location: Gallery Speakers: Eric Ziegler, Tammy Louie</p>
11:45 AM - 1:00 PM	<p>Lunch Buffet</p> <p>Location: Longhouse Ballroom</p>
1:00 PM - 4:30 PM	<p>Exhibits Open</p> <p>Location: Terrace Room</p>
1:30 PM - 2:15 PM	<p>Cumulative High School GPA for Math Placement: Can it work?</p> <p>Location: Longhouse A Speaker: Henry Brewster</p>
1:30 PM - 2:15 PM	<p>How to HyFlex: Tech, Attendance, and Assessment</p> <p>Location: Longhouse B Speaker: Nic Griggs</p>

- 1:30 PM - 2:15 PM** **Teaching Statistics post-CCN**
Location: Longhouse C
Speaker: Carrie Kyser
- 1:30 PM - 2:15 PM** **Precalculus for Engineers: Reflections on Our First Year Teaching Math in an Engineering Learning Community**
Location: Council House A
Speakers: Seth Greendale, Mei Luu
- 1:30 PM - 2:15 PM** **Using Reflection to Develop Ownership of Learning: A SoTL Project**
Location: Council House B
Speakers: Rhea Becke, Ann Sitomer
- 1:30 PM - 2:15 PM** **Dual Credit Discussion Session**
Location: Council House C
Speaker: Kathy Smith
- 1:30 PM - 2:15 PM** **Teaching Mathematics to Speakers of Other Languages - Applying ESL Teaching Pedagogy (TESOL) and Principles of Second Language Writing (SLW) to Mathematics Teaching**
Location: Lincoln
Speaker: Kourosh Ghaderi
- 1:30 PM - 2:15 PM** **Confronting a perceived ubiquity of linearity**
Location: Pine
Speaker: Will Webber
- 1:30 PM - 2:15 PM** **Exploring Lumen One for Student Success**
Location: Gallery
Speaker: Kelly Wainwright
- 1:30 PM - 2:15 PM** **Learn to play Cribbage (plus a little expected value!)**
Location: Sitka
Speaker: Jeff Crabill
- 2:30 PM - 3:00 PM** **Afternoon Refreshment Break Sponsored by MCGRAW-HILL**
- 3:00 PM - 3:45 PM** **Co-Reqs for Math& 107 and Math& 146 - What we are doing and How it is going**
Location: Longhouse A
Speakers: Kate Cook, Allie Dykes
- 3:00 PM - 3:20 PM** **We Implemented a Proctoring Requirement: Here's What Happened**
Location: Longhouse B
Speaker: Elizabeth O'Neil
- 3:00 PM - 3:45 PM** **Simulation-Based Inference for Beginners**
Location: Longhouse C
Speaker: Patti Frazer Lock
- 3:00 PM - 3:45 PM** **Rolle on: dynamic CAS, dynamic geometry, and a "marvelous" theorem**
Location: Council House A
Speaker: Thomas Dick
- 3:00 PM - 3:45 PM** **10 Ways to Start Small with Alternative Grading**
Location: Council House B
Speaker: Jessica Maddox
- 3:00 PM - 3:45 PM** **Writing-to-Learn Precalculus: What Works?**
Location: Council House C
Speaker: Jessica Hoppe
- 3:00 PM - 3:45 PM** **Non-textual Mathematical Analysis of History - new insights into ancient India, Egypt, and Greece.**
Location: Lincoln
Speakers: Payal Roy, Kaustava Roy

- 3:00 PM - 3:45 PM** **WA Pre-Business Calculus: Do we need a common course?**
Location: Pine
Speaker: Robert Weston
- 3:00 PM - 3:45 PM** **Examining the Impact of Chatbots on Students and Faculty in Higher Education: A Multidisciplinary Collaborative Research Study**
Location: Gallery
Speaker: David Hammond
- 3:00 PM - 3:45 PM** **Play Better Cribbage -- The Theory of 26**
Location: Sitka
Speaker: Jeff Crabill
- 3:25 PM - 3:45 PM** **Creating a Statewide HS Transcript Placement Agreement for Math**
Location: Longhouse B
Speaker: Dawn Draus
- 4:00 PM - 5:00 PM** **Relaxing Salishan Bird Walk**
Location: Lobby
Speakers: Garrett Gregor, Virginia Somes
- 4:00 PM - 5:00 PM** **Cribbage Tournament**
Location: Sitka
- 5:30 PM - 7:00 PM** **Dinner Buffet**
Location: Longhouse Ballroom
- 7:00 PM - 8:00 PM** **Pickleball**
Location: Pickleball Courts
Speaker: Vikki Maurer
- 7:00 PM - 9:00 PM** **BYO Board Games**
Location: Council House C
- 7:00 PM - 9:00 PM** **Firepit Social**

Sat, Apr 20, 2024

- 7:15 AM - 8:45 AM** **Breakfast Buffet**
Location: Longhouse Ballroom
- 8:00 AM - 8:45 AM** **ORMATYC Business Meeting**
Location: Longhouse B C
- 8:00 AM - 8:45 AM** **WAMATYC Informational Gathering**
Location: Council House A
Speaker: Jeff Eldridge
- 8:00 AM - 8:45 AM** **Washington State Department Chairs Meeting**
Location: Council House C
- 9:00 AM - 11:00 AM** **Exhibits Open**
Location: Terrace Room
- 9:00 AM - 9:45 AM** **General Education Data Science: Getting Students and Faculty Started with Data Science for All**
Location: Longhouse A
Speaker: Hunter Glanz
- 9:00 AM - 9:45 AM** **Making the MOST of Student Thinking**
Location: Longhouse B
Speaker: Scot Pruy

- 9:00 AM - 9:20 AM** **Two models are better than one: investigating carbon dioxide levels**
Location: Longhouse C
Speaker: Thomas Dick
- 9:00 AM - 9:20 AM** **“Easy” Proofs of “Hard” Theorems in Calculus**
Location: Council House A
Speaker: Jeff Eldridge
- 9:00 AM - 9:45 AM** **Building Math Transfer Pathways from Community Colleges to Independent Universities**
Location: Council House B
Speakers: Linda Samek, Tracy Redd
- 9:00 AM - 9:45 AM** **What is a Thinking Classroom?**
Location: Council House C
Speaker: Robert Weston
- 9:00 AM - 9:45 AM** **Incorporation of Ethical Reasoning into the Mathematics Classroom via Mathematical Modeling**
Location: Lincoln
Speaker: Jeremy Shaw
- 9:00 AM - 9:45 AM** **Artificial Intelligence in Mathematics Education - Discussion & Ideas Session**
Location: Gallery
Speaker: Bret Rickman
- 9:25 AM - 9:45 AM** **Math and Biology: A Correlation Made In Heaven**
Location: Longhouse C
Speaker: Alys Hugo
- 9:25 AM - 9:45 AM** **It's time NOT to pretend dy/dx is a fraction, isn't it?**
Location: Council House A
Speaker: Hoewoom Kim
- 10:00 AM - 10:30 AM** **Morning Refreshment Break Sponsored by PEARSON**
- 10:30 AM - 11:15 AM** **Designing the Future: Collaborative Workshop on Creating a 100-level Data Science Curriculum**
Location: Longhouse A
Speakers: Rachel Webb, Amy Lindahl, Kelly Mercer
- 10:30 AM - 11:15 AM** **Mathematical Escape Rooms**
Location: Longhouse B
Speaker: Dusty Wilson
- 10:30 AM - 11:15 AM** **Topology of Data in the Classroom**
Location: Longhouse C
Speaker: Yves Nievergelt
- 10:30 AM - 11:15 AM** **Vector Calculus Reimagined**
Location: Council House A
Speaker: Jeff Eldridge
- 10:30 AM - 11:15 AM** **The Socimal System– A Numeration System for Math for Elementary Teachers**
Location: Council House B
Speaker: Paul Casillas
- 10:30 AM - 11:15 AM** **Building Thinking Classrooms PLC**
Location: Council House C
Speaker: Robert Weston
- 10:30 AM - 11:15 AM** **Assessment in Online Classes - What works? What doesn't?**
Location: Gallery
Speaker: Alys Hugo

10:30 AM - 11:15 AM

Loving Mathematics: My Principles of Compassionate Teaching and Curriculum

Location: Lincoln

Speaker: Kourosh Ghaderi

12:30 PM - 1:30 PM

ORMATYC Board Meeting

Location: Sitka