IRWIN L SLESNICK
STEM EDUCATION SYMPOSIUM

MAY 4, 2018
11:45 AM - 7PM

at
WESTERN WASHINGTON UNIVERSITY

PRESENTATIONS AND DISCUSSIONS FEATURING:

11:45 AM - LUNCH (For Participants Only)

12:30 PM - WORKSHOP 1: NAVIGATING THE RIVER OF CHANGE: Finding Your True North for STEM Teaching and Learning
Susan Elrod - University of Wisconsin-Whitewater

1:50 PM - BREAK

2:00 PM - WORKSHOP 2: STUDENT LEARNING IN TODAY’S K-12 CLASSROOMS:
What Every Educator Should Know About Next Generation Science Standards, and Common Core State Standards in Mathematics
Jessica Cohen, Deborah Donovan - WWU

3:20 PM - BREAK

3:30 PM - WORKSHOP 3: CREATING AND USING NEW END OF COURSE ASSESSMENTS TO SUPPORT ACTIVE LEARNING IN CLASSROOMS.
Emily Borda, Daniel Hanley - WWU

4:50 PM - BREAK

5:00 PM - KEYNOTE PRESENTATION (SL 150):
KEEP CALM AND PADDLE ON: A Model for Fostering Systematic Institutional Change for Student Success
Susan Elrod - University of Wisconsin-Whitewater

6:00 PM - RECEPTION (SL 220)

Sponsored by the Irwin L. Slesnick STEM Education Fund
Deb Donovan started her teaching career as a high school science teacher in a large inner-city school in southern California. She left to pursue a MSc in Ecology at the University of California, Davis and discovered her interest in research. After completing a PhD in Zoology at the University of British Columbia, she was lucky to be hired at Western Washington University, in a joint position between the Biology Department and the Science Education Group. This allows her to combine her love of studying marine invertebrates with her passion for science education. She has recently published a reformed biology curriculum called Life Science and Everyday Thinking that attends to best practices in science education.

Susan Elrod serves as the Provost and Executive Vice Chancellor for Academic Affairs at the University of Wisconsin – Whitewater. Elrod is also a nationally recognized leader and scholar in STEM higher education. She has served as Executive Director of Project Kaleidoscope (PKAL) at the Association of American Colleges & Universities (AAC&U) in Washington where she led national projects focused on leadership development and on improving access and success of students in STEM.

She continues this work as a Senior Scholar at AAC&U and as a national leader in projects that focus on institutional systemic change in undergraduate STEM education. Recent publications of interest are: Guide to Institutional Systemic Change, Navigating Institutional Change for Student Success in STEM, Quantitative Reasoning: The Next “Across the Curriculum” Movement, and Developing Leadership in STEM Fields. She is involved in the Accelerating Systemic Change Network (ASCN) and served as a member of a National Academies of Sciences, Engineering and Medicine committee that is developing recommendations for a set of national indicators for undergraduate STEM education. She has also served as an evaluator and consultant to the WASC Senior College and University Commission (WSCUC) on core learning outcomes and assessment.

Elrod was a postdoctoral fellow at Novozymes, Inc. in Davis, CA where she was an inventor on several patents, and holds a Ph.D. in Genetics from the University of California, Davis and a B.S. in Biological Science from California State University, Chico. She is a California native and enjoys spending time with her husband, grandchildren and dog, Buddy, in the great outdoors.

Emily J. Borda is a professor in chemistry and SMATE at Western Washington University. She teaches general and organic chemistry, as well as science content and methods courses for preservice elementary teachers. Dr. Borda received a Ph.D in organic chemistry and an M.Ed. in education leadership and policy studies at the University of Washington in Seattle. Her current research interests include studying how students transfer ideas from one science discipline to another.

Jessica Cohen completed a PhD in mathematics at Oregon State University where she had the opportunity to conduct doctoral research in mathematics education. She is a faculty member in the mathematics department at Western Washington University where she teaches courses for preservice teachers and courses for math majors. Her research interests focus on the professional development of inservice teachers and higher education faculty. Jessica is currently the director of a project providing professional learning experiences for middle school mathematics teachers, and is working on two projects with higher education STEM faculty where she co-designs and co-facilitates professional development.

Dan Hanley directs an educational research and evaluation team at Western Washington University (WWU), and is the PI of a three-million dollar NSF grant that is examining how WWU prepares elementary teachers to teach science. Dan has a joint Ph.D. in Research/Evaluation Methodology and Educational Psychology from the University of Colorado, Boulder. Over the past 20 years, Dan has developed and conducted studies and evaluations for numerous organizations, including the National Science Foundation, Washington State OSPI, Washington Student Achievement Council, the Washington STEM Center, and the Colorado Department of Education. In 2000-2001, Dan was the recipient of a prestigious Fulbright Scholarship, where he examined Norway’s system of school-based evaluation.