

2012 Math and Science Partnership (MSP) Learning Network Conference

Framing Effective Teaching in STEM

January 23-24, 2012

Renaissance Washington, D.C., Hotel
999 Ninth Street NW, Washington, D.C.

GOALS

1. To learn more about effective STEM teaching: What are ways of defining and theorizing it? What are ways of measuring it? What are supports that work to improve STEM teaching?
2. To network: What can we learn from each other? How can we benefit from each other's expertise and what we are learning?
3. To continue learning: What new ideas can you take from this conference and put to use in your MSP work when you return home? What ways will you continue to work with others you meet at the LNC?

Sunday, January 22, 2012

1:30 p.m. - 6:30 p.m.	Registration and Poster Setup	Grand Ballroom Foyer
2 p.m. - 6 p.m.	Pre-Conference Meeting Orientation Session for New Projects <i>Louis J. Everett</i> , Program Director, NSF <i>Ron Buckmire</i> , Program Director, NSF	Congressional A

Monday, January 23, 2012

7:30 a.m. - 8:30 a.m.	Registration and Poster Setup	Grand Ballroom Foyer
8:30 a.m. - 8:45 a.m.	Welcome James E. Hamos, MSP Program Lead, NSF Katherine J. Denniston, Acting Division Director, Division of Undergraduate Education, NSF	Grand Ballroom
8:45 a.m. - 9:45 a.m.	Keynote Speaker "STEM Teaching in the Age of the Common Core: Promises and Paradoxes" <i>Suzanne Wilson</i> , University Distinguished Professor and Chair, Department of Teacher Education, Michigan State University Introduction: <i>Ruth Heaton</i> , Professor of Teaching, Learning and Teacher Education, University of Nebraska–Lincoln	Grand Ballroom
9:45 a.m. - 10 a.m.	Morning Break, Refreshments and Transition to Coffee House Activity <i>Hannah M. Sevian</i> , Associate Professor of Chemistry, University of Massachusetts Boston	Grand Ballroom Foyer and Meeting Room Level Hallway

10 a.m. - 11 a.m.	Coffee House Activity	Check Your Name Badge for Room
11 a.m. - 11:10 a.m.	Transition to Paper Session 1	
11:10 a.m. - 12:45 p.m.	Paper Session 1	See Schedule for Breakout Rooms
12:45 p.m. - 2 p.m.	Keynote Speaker and Working Lunch “Transforming Learning for Science, Technology, Education and Mathematics: An NSF Perspective” <i>Cora Marrett</i> , Deputy Director, NSF Introduction: <i>James E. Hamos</i> , MSP Program Lead, NSF	Grand Ballroom
2 p.m. - 2:15 p.m.	Transition to Exploring Dilemmas Activity	
2:15 p.m. - 3:15 p.m.	Exploring Dilemmas of Effective STEM Teaching Part I	Check Your Name Badge for Room
3:15 p.m. - 3:30 p.m.	Afternoon Break, Refreshments	Grand Ballroom Foyer and Meeting Room Level Hallway
3:30 a.m. - 4:30 p.m.	Keynote Speaker “Taking the Subject Seriously in STEM Professional Learning Communities and Teacher Induction” <i>Edward (Ted) Britton</i> , Associate Director, Senior Researcher and Evaluator, STEM Program, WestEd Introduction: <i>Elizabeth VanderPutten</i> , Program Director, NSF	Grand Ballroom
4:30 p.m. - 5 p.m.	Transition to Meet as Project Teams to Reflect on Learning <i>Wendy M. Smith</i> , Research Assistant Professor, Center for Science, Mathematics & Computer Education, University of Nebraska–Lincoln	Meet in Grand Ballroom or Other Locations
5 p.m. - 6 p.m.	Plenary Session “Innovation and Reform Initiatives from the U.S. Department of Education” <i>Patricia O’Connell Johnson</i> , Team Leader for the Mathematics and Science Partnership program, U.S. Department of Education <i>James H. Shelton III</i> , Assistant Deputy Secretary for Innovation and Improvement, U.S. Department of Education <i>Ann Whalen</i> , Director, Program and Policy Implementation in the Implementation and Support Unit, Office of the Deputy Secretary, U.S. Department of Education Introduction: <i>Kathleen B. Bergin</i> , Program Director, NSF	Grand Ballroom
6 p.m. - 7:30 p.m.	Exploring Dilemmas of Effective STEM Teaching Part II and Working Dinner	South Ballroom

8 a.m. - 9 a.m.	Special Interest Groups	See Summary of SIGs on Pages 34-35
9 a.m. - 9:10 a.m.	Introduction to Fishbowls and Transition to Activity <i>Lance C. Pérez</i> , Professor of Electrical Engineering, University of Nebraska–Lincoln	Grand Ballroom
9:10 a.m. - 10:10 a.m.	Fishbowl Activity	Check Your Name Badge for Room
10:10 a.m. - 10:25 a.m.	Morning Break, Refreshments and Transition to Paper Session 2	Grand Ballroom Foyer and Meeting Room Level Hallway
10:25 a.m. - Noon	Paper Session 2	See Schedule for Breakout Rooms
Noon - 12:10 p.m.	Afternoon Break and Transition to Final Reflection	Grand Ballroom Foyer and Meeting Room Level Hallway
12:10 p.m. - 12:45 p.m.	Final Reflection Activity with Project Teams <i>Hannah M. Sevia</i> n, Associate Professor of Chemistry, University of Massachusetts Boston	Meet in Grand Ballroom or Other Locations
12:45 p.m. - 2 p.m.	Keynote Speaker and Working Lunch “Future Directions in NSF’s Directorate for Education and Human Resources” <i>Joan Ferrini-Mundy</i> , Assistant Director, Directorate for Education and Human Resources, NSF Introduction: <i>James E. Hamos</i> , MSP Program Lead, NSF	Grand Ballroom
2 p.m. - 2:15 p.m.	Future Directions for MSP <i>James E. Hamos</i> , MSP Program Lead, NSF	Grand Ballroom

The conference evaluation survey will be conducted online. To access it, please log-in at <https://surveys.terc.edu/NoviSurvey/n/LNCEvaluation.aspx>