2nd Conference on Transforming Research in Undergraduate STEM Education (TRUSE)

June 3 – June 7, 2012 University of St. Thomas, St. Paul, Minnesota

All talks, discussion, and synthesis sessions are in James B. Woulfe Alumni Hall South (Woulfe Hall South) in the Anderson Student Center, third floor

Sunday, June 3	
Noon – 5:00 PM	Arrive and check in at Koch Commons
4:00 PM – 5:30 PM	Welcome Reception at Woulfe Hall North, 2 nd floor Anderson Student Center
5:30 PM – 7:00 PM	Welcome Dinner at Woulfe Hall North, 2 nd floor Anderson Student Center
7:00 PM – 8:00 PM	David Bressoud (Macalester College), "Characteristics of Successful Programs in College Calculus: Preliminary Findings"
8:00 PM – 9:00 PM	Joe Redish (University of Maryland), "Adding Value through Interdisciplinary Conversation"

Monday, June 4	
7:30 AM – 8:30 AM	Breakfast at The View, 3 rd floor, Anderson Student Center
8:30 AM – 9:15 AM	Michelle Zandieh (Arizona State University), "How we think mathematically: A cognitive linguistics approach to understanding mathematical concepts and practices"
9:15 AM – 10:00 AM	Michael Wittmann (University of Maine) "Epistemological Framing as a Lens on Students, Teachers, and Researchers"
10:00 AM – 10:30 AM	Coffee
10:30 AM – 11:00 AM	Discussion
11:00 AM – 11:30 AM	TRUSE Mini-Grant 1: "Tackling Teaching: Understanding Commonalities among Chemistry, Mathematics, and Physics Classroom Practices", Warren Christensen, NDSU; Karen Marrongelle, OSU; Sam Pazicni, UNH
11:30 AM – 12:00 PM	TRUSE Mini-Grant 2: "Investigating the transfer of mathematical knowledge using physicsless physics questions", John Thompson, U. Maine; Joe Wagner, Xavier U.; Tom Wemyss, U. Maine
12:00 PM – 1:00 PM	Lunch at The View, 3 rd floor, Anderson Student Center
1:00 PM - 3:30 PM	Free time/Poster setup at the Woulfe Hall Lounge, 2 nd floor Anderson Student Center
3:30 PM – 5:00 PM	Targeted Sessions in ACS 202, 238, 341, and Woulfe Hall South
5:00 PM – 6:30 PM	Picnic Dinner at Monahan Plaza (just outside the main doors to Anderson Student Center)

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6:30 PM – 7:00 PM	Synthesis Discussion
7:00 PM – 8:00 PM	Noah Finkelstein (University of Colorado-Boulder), "Physics Education
	Research: A Resource for Educational Transformation at a Critical Time"
8:00 PM – 10:00 PM	Contributed Posters, Session 1 at the Woulfe Hall Lounge, 2 nd floor Anderson
0.00 PIVI - 10.00 PIVI	Student Center

Tuesday, June 5	
7:30 AM – 8:30 AM	Breakfast at The View, 3 rd floor, Anderson Student Center
8:30 AM – 9:15 AM	Melissa Dancy (University of Colorado-Boulder), "Educational Transformation in STEM: Why has it been limited and how can it be accelerated?"
9:15 AM – 10:00 AM	Vilma Mesa (University of Michigan), "Investigating the Rationality of Teacher Decisions: Mathematics in Community Colleges"
10:00 AM – 10:30 AM	Coffee
10:30 AM – 11:00 AM	Discussion
11:00 AM – 11:30 AM	TRUSE Mini-Grant 3: "Using Gesture Analysis to Explore Embodied Cognition in Chemistry", François Amar, U. Maine; Ricardo Nemirovsky, SDSU; Mitchell Bruce, U. Maine; Michael Wittmann, U. Maine; Tom Wemyss, U. Maine
11:30 AM – 12:00 PM	TRUSE Mini-Grant 4: "How Small is Small? – Student Reasoning with 'Neglected Quantities' in Introductory Calculus and Physics", Danielle, Champney, UC Berkeley; Eric Kuo, U. Maryland, College Park; Angie Little, UC Berkeley
12:00 PM – 1:00 PM	Lunch at The View, 3 rd floor, Anderson Student Center
1:00 PM – 2:30 PM	Targeted Sessions in ASC 233, 238, 341, and Woulfe Hall South
2:30 PM – 10:00 PM	Free Time and Dinner on Your Own (Transit of Venus at U. Minnesota, one possibility)

Breakfast at The View, 3 rd floor, Anderson Student Center
Finbarr Sloane (Arizona State University), "Measuring and Modeling Student Growth in Early Grades Mathematics"
Stacey Lowery Bretz (Miami University, Ohio), "A Report from the National Research Council Board on Science Education Committee on the Status, Contributions, and Future Direction of Discipline-Based Education Research (DBER)"
Coffee
Discussion
Myles Bolylan (National Science Foundation), "To Be Announced"
Lunch at The View, 3 rd floor, Anderson Student Center
Free time/Poster set-up at the Woulfe Hall Lounge, 2 nd floor Anderson Student Center

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3:30 PM - 5:00 PM	Targeted sessions ASC 202, 238, 341, Woulfe Hall South
5:00 PM – 6:00 PM	Mike Klymkowsky (University of Colorado-Boulder), "Toward a Coherent and Interactive Curriculum in the Sciences"
6:00 PM – 7:30 PM	Fancy Dinner at Woulfe Hall North
7:30 PM – 8:00 PM	Synthesis Discussion
8:00 PM – 10:00 PM	Contributed Posters, Session 2 at the Woulfe Hall Lounge, 2 nd floor Anderson Student Center

Thursday, June 7	
7:30 AM – 8:30 AM	Breakfast at The View, 3 rd floor, Anderson Student Center
8:30 AM – 9:00 AM	Check out at the Koch Commons desk, storage of luggage available.
9:00 AM – 9:45 AM	Keith Weber (Rutgers University), "Reading and Comprehending Mathematical Arguments"
9:45 AM – 10:30 AM	Melanie Cooper (Clemson University), "BeSocratic"
10:30 AM – 11:00 AM	Coffee
11:00 AM – 11:30 AM	Discussion
11:30 AM – 12:00 PM	Evaluation and Discussion
12:00 PM - 1:00 PM	Lunch at The View, 3 rd floor, Anderson Student Center
1:00 PM	Depart

