

Midwest Noyce Regional Conference

Common Core, NGSS and Digital Learners: STEM Teaching at the Crossroads
October 4-5, 2012

Conference Proceedings

Thursday 10/4

9:30 am-5:00 pm

Registration ■ Conference Center Lobby

11:00 am-12:50 pm

Tapas Lunch, Poster Session, and Vendor Exhibits
Auditorium Lobby

1:00-1:15 pm

Welcome from IUPUI ■ Auditorium

Nasser Paydar

Executive Vice Chancellor and Chief Academic Officer
IUPUI

1:15-2:15 pm

Opening Address ■ Auditorium

*The Robert Noyce Teacher Scholarship Program:
Accomplishments and Challenges*

Joan Prival

Program Director, Division of Undergraduate Programs Na-
tional Science Foundation

2:15-3:15 pm

Plenary Session ■ Auditorium

Re-envisioning Secondary School Mathematics

W. Gary Martin

Emily R. & Gerald S. Leischuck Endowed Professor of
Secondary Mathematics Education
Auburn University

3:30-4:30 pm

Breakout Session ■ Room 226

*A Survey of Technologies that Can Be Used to
Enhance Student Interest in and Understanding of
STEM Disciplines*

Bruce Bukiet

Associate Professor of Mathematical Sciences
New Jersey Institute of Technology

Breakout Session ■ Room 222

*The DUETS Program: Highly Effective Urban STEM
Teachers*

Deborah Harmon

Professor of Teacher Education
Eastern Michigan University

3:30-4:30 pm continued

Breakout Session ■ Room 206

Stimulating STEM Teacher Growth through aggieTEACH

Timothy P. Scott

Associate Dean for Undergraduate Programs and
Associate Professor of Science Education Policy
College of Science, Texas A&M University

Breakout Session ■ Room 102

*Making Math Matter: Project Based Learning in
Mathematics*

Cathy Brown

Professor of Mathematics Education, Head of the
Division of Education, and Director of the Center of
Teaching and Learning

Indiana University Purdue University Columbus
and

Jean Lee

Assistant Professor of Teacher Education
University of Indianapolis
and

Sarah Leiker

School Development Coach
New Tech Network

4:45-5:45 pm

Plenary Session ■ Auditorium

*Implications of the K-12 Science Education Framework
and Next Generation of Science Standards for Teaching
and Learning*

Joseph Krajcik

Professor of Science Education and Director, Institute
for Research in Education, Assessment, and Teaching
Environments for Science, Technology, Engineering, and
Mathematics
Michigan State University

6:00-7:30 pm

Dinner ■ Ballroom

Indiana Expeditions: Science Is for Everyone!

Rick Crosslin

Lead Science Educator
Metropolitan School District of Wayne Township

Friday 10/5

6:30-7:45 am

Breakfast and Networking ■ Bistro

8:00 am-3:30 pm

Registration ■ Conference Center Lobby

8:00-8:15 am

Day Two Opening Remarks ■ Auditorium

Simon Rhodes

Dean and Professor of Biology

School of Science, IUPUI

and

Patricia M. Rogan

Executive Associate Dean and Professor of Education

IU School of Education, IUPUI

8:15-9:15 am

Keynote Address ■ Auditorium

Enabled, Engaged, and Empowered: The K-12 Student Vision for Personalized Learning

Julie Evans

CEO

Project Tomorrow

9:30-10:30 am

Breakout Session ■ Auditorium

Noyce Program Management

Lisa Montplaisir

Associate Professor and Assistant Chair, Biological Sciences

North Dakota State University

and

Michael Beeth

Professor and Coordinator of Alternative Careers in

Teaching

University of Wisconsin Oshkosh

Breakout Session ■ Room 226

Project-based Inquiry as a Model for Teaching, Learning, and Assessing Science in the Grade 7-12 Classroom

Regina Toolin

Associate Professor

University of Vermont

and

Beth White

Graduate Teaching Assistant

University of Vermont

Breakout Session ■ Room 222

Tailoring STEM Instruction for Diverse Learners: What Matters Most?

Annela Teemant

Associate Professor of Second Language Education

IUPUI

9:30-10:30 am continued

Breakout Session ■ Room 206

Implementing Literacy Strategies in Science

Chris Hiller

BioLit Facilitator

Decatur New Tech High School

and

Sally Nichols

BioLit Facilitator

Decatur New Tech High School

Breakout Session ■ Room 102

Using the 5E Lesson Model to Foster Mathematical and Scientific Thought

Hope Marchionda

Assistant Professor, Mathematics

Western Kentucky University

and

Dagan Dalton

Emily Evanko

Kimberly Stinnett

Noyce Scholars

Western Kentucky University

10:45-11:45 am

Plenary Session ■ Auditorium

The Keys to Improved Learning: 19 Ways to Transform Teacher Performance

Jeff Marshall

Associate Professor, Science Education and Director,

Inquiry in Motion Institute

Clemson University

Noon-1:45 pm

Lunch ■ Ballroom

Redefining What Counts as Math

Jim Ryan

Project Manager for Common Core State Standards in

Mathematics

San Francisco School Alliance

2:00-3:00 pm

Plenary Session ■ Auditorium

Project Lead The Way: Addressing America's STEM Education Needs through World-class Curriculum, High-quality Professional Development, and an Engaged Network

Dave Dimmett

Senior Vice President and Chief of Staff

Project Lead The Way

3:00-3:15 pm

Closing Remarks ■ Auditorium

Kim Nguyen

UCASE Operations Director

School of Education, IUPUI