

**Massachusetts Higher Education STEM Faculty:
Partnering in the Transformation of STEM Education in the Commonwealth**

Tuesday, June 7, 2011

AGENDA

8:30 AM

Registration and Continental Breakfast

9:00– 9:10 AM

Welcome Address

Dr. Margaret Riley, Professor, UMass Amherst; President, Massachusetts Academy of Sciences

9:10 – 9:45 AM

The Role of the Massachusetts Academy of Sciences In A Higher Education and K-12 Partnership

Dr. Margaret Riley

A Foundation for the Future: Massachusetts' Plan for Excellence in STEM Education: State STEM Plan
David Cedrone, Associate Commissioner, Massachusetts Department of Higher Education; Executive Director, Governor's STEM Advisory Council

The Voice of K-12

Isa Zimmerman, Ed.D., Member of STEM Advisory Council

9:45 – 10:05 AM

Nobel Laureate: A Call to Action

Dr. Dudley Herschbach, Harvard University Baird Professor of Science; 1986 Nobel Prize in Chemistry Recipient

10:05 AM-11:05 AM

Panel Discussion: How Can K-12 and Higher Education Work Together To Recruit, Retain, and Graduate STEM Students?

Perspectives of a University STEM Researcher, a College STEM Education Faculty Member, a Community College STEM Education Faculty Member, and Dean of a Community College

11:05 AM – 11:20 AM

Break

11:20 AM – 12:30 PM

Working Sessions: How to Engage Higher Education and K-12 in Achieving The State STEM Plan Goals

Session 1. Goal: Increase student interest in STEM

Moderator: Dr. Kathleen Kirby

Session 2. Goals: Increase PreK-12 student achievement in STEM; increase the percentage of students who demonstrate readiness for college level study in STEM fields

Moderator: Dr. Arthur Eisenkraft

Session 3. Goal: Increase the number of students who graduate from a post-secondary institution with a degree in STEM

Moderator: Dr. Robert Dorit

Session 4. Goal: Increase the number of PreK-16 STEM classes led by effective teachers

Moderators: Dr. Bryan Vought and Marlene Hilkowitz, M. Ed.

12:30 - 1:00 PM

Working Lunch

1:00 PM

Working Sessions Report

Session Moderators

2:00 PM

Next Steps

David Cedrone and Dr. Margaret Riley

2:30-3:00 PM

Cookies, Coffee, and Continuing the Conversation

3:00 PM

Closing Remarks

Dr. Margaret Riley