



UMass STEM Ed Institute Presents: Fall 2016

STEM Tuesday TALKS

Most STEM seminars are held at 4PM on the first and third Tuesdays of each month during the academic year in Hasbrouck 138. Everyone is welcome; no reservations are needed, and there is no charge. Parking is available in the Campus Center Garage.

September 20th

Humor and Climate Change - (See review page 15-16)



Brian Adams

Author, *Love in the Time of Climate Change* and *KABOOM*

Professor Emeritus of Environmental Science at Greenfield Community College

There is nothing funny about climate change. Yet even in the midst of potential environmental chaos, humor can be an awesome tool to engage students and open up avenues for discussion about environmental issues. Brian Adams is the author of *Love in the Time of Climate Change* and *KABOOM!*, two romantic comedies about climate disruption and mountaintop removal, and a Professor Emeritus of Environmental Science at Greenfield Community College. He will lead a discussion of how to use humor as a way to promote awareness of the most humorless of topics.

October 4th



Physics 131 - Reflections on transition to Team Based Learning

Brokk Toggerson

Physics Department

University of Massachusetts, Amherst

The 2015 - 2016 school year represented a continuation of the effort to transition Physics 131 - Algebra-Based Introductory Physics I to a fully flipped model in the TBL space with integrated lab.

This talk will reflect on the experience and discuss some implications for future reforms.

October 18th



State of STEM Student Success and Diversity at UMass

Charlana Y. Simmons

Director, Northeast Louis Stokes Alliance for Minority Participation in STEM

Director of Student Success & Diversity, College of Natural Sciences, UMass Amherst

The Director of Student Success and Diversity in the College of Natural Sciences will represent the state of diversity in STEM at UMass, providing details about the enrollment, persistence, and success of students from diverse backgrounds in STEM. The talk will also include information regarding best practices for supporting students in STEM and an outline of next steps of STEM diversity endeavors at UMass.

November 1st

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STEM Mentoring

Becky Wai-Ling Packard
Professor of Psychology and Education
Director of the Weissman Center for Leadership at Mount Holyoke College



Becky Wai-Ling Packard is Professor of Psychology and Education, and Director of the Weissman Center for Leadership at Mount Holyoke College. Professor Becky Wai-Ling Packard will talk about her new book [Successful STEM Mentoring for Underrepresented Students: A Research-Based Guide](#). If you are starting a new mentoring initiative, taking a second look at an existing one, or want to move beyond a program into a culture of mentoring in your department or organization, please do join us to learn more.

More about Professor Becky Packard:
<http://www.mtholyoke.edu/~bpackard>



November 15th National Science Foundation's STEM Student Experiences Aboard Ships program

Mark Leckie, Professor
Chief Undergraduate Advisor for Geology & Earth Systems, UMass Amherst
Details unavailable at press time

December 6th

Global Challenge in Higher Education and Research

Joseph B. Berger, Ph.D.
Interim Senior Associate Dean



Director, Center for International Education
Department of Educational Policy, Research & Administration

The Worldwide Universities Network (WUN) Global Challenge in Higher Education and Research (GHEAR) addresses the sources, mechanisms, and social structures that give rise to today's higher education challenges, and works collaboratively across a network of 18 universities on 5 continents to propose reform policies for international research and education.

- Access - How do educational policies and practices promote equity of opportunity to succeed in university and beyond?
- Mobility - How does higher education respond to and facilitate greater mobility of people, learning, and knowledge?
- Investment - How can financial resources be more effective and efficient in promoting access, mobility, quality and relevance in higher education?