

**The American Mathematical Association of Two-Year Colleges
34th Annual Conference
Washington, DC November 20-23, 2008
Hosted by VMATYC, MMATYC, and the Mid-Atlantic Region**



Featured Speakers

David Wright - Tidewater Community College

Physics is Phun: What do Beds of Nails, Balls of Fire, and a Leaf Blower powered hovercraft have to do with mathematics? Come see how much fun Physics can be, and get some great ideas for illustrations of applied mathematics.

John Adam - Old Dominion University

Mathematical Patterns in Nature: From rainbows, ice crystal halos and shadows to spiderwebs, cloud formations, and the markings on butterfly wings, the natural world is replete with patterns that can be described (and often explained) in mathematical terms. This presentation will introduce us to aspects of nature's beauty as revealed by mathematics.

Abigail Norfleet James - Germanna Community College

Gender Differences and the Teaching of Mathematics: The belief that women will have trouble with mathematics is not well supported and many women excel in a variety of math fields. A brief survey of recent findings in neurocognitive gender differences will serve as a basis for specific classroom strategies to help women succeed in math.

Freeman Hrabowski - University of Maryland

21st Century Math Education: Promoting Success Among All Students: Dramatic technological and demographic changes present America with enormous challenges for educating students in math in the new century. What will students need to know to succeed, and what skills must they possess? Additionally, what strategies and best practices can educators use to ensure success for all students in math?