



PHYSICS & ASTRONOMY WEEKLY CALENDAR

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WEEKLY CALENDAR

May 18, 2009

SPECIAL SEMINAR

"Challenges and Rewards of Implementing Physics Education Research-based Reform"

3:40 PM, May 21, 2009
109 Nicholson Hall

Cyrill Slezak

Hillsdale College and Louisiana State University

Host: Juana Moreno

• *Refreshments served at 3:15 PM in 201 Nicholson Hall* •

Thirty plus years of physics education research (PER) have given us a wealth of new instructional tools but implementation is often stifled by institutional inertia. This talk will both demonstrate the need for radical change in STEM education and explore possible solutions. We will take a closer look at successes as well as challenges of one such program - *Tutorials in Introductory Physics*. How did replacing of only the recitation sections in the introductory calculus-based physics course impact our students? Results for this study as well as others show a promising future for the PER transformed classroom but indicators point towards a strong need for focus on training and deliberate implementation.