

DEPARTMENT OF PHYSICS

# This Week in Physics

SYRACUSE UNIVERSITY  
College of Arts & Sciences

Week of  
October 27, 2008

[http://www.phy.syr.edu/  
SeminarsEvents.htm](http://www.phy.syr.edu/SeminarsEvents.htm)

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## THURSDAY, OCTOBER 30

Colloquium

4:00 PM, Rm 202 (refreshments 3:30 PM, Rm 204)

Prof. Edward Redish (University of Maryland)

*Thoughts on teaching physics while listening to Ravel's "Bolero";  
Implications of research on learning and knowing*

When we teach courses in physics, we tend to focus on the "melody"-the content we want our students to learn. But research on teaching and learning combined with research on how students work suggests that how we "orchestrate" that melody in our classrooms is equally important. Professor Redish will discuss how modern research in a variety of fields from neuroscience to pedagogy is helping us to understand students' difficulties better and to reach more students more effectively.

