

# PERC 2014

Outpacing New Technologies with Novel Pedagogies:

The role of PER in the Transforming Landscape of Higher Education



July 30th & 31st, 2014

University of Minnesota  
Minneapolis, MN

**Bridging Speakers:**

Michael Dubson  
James Fairweather

**Banquet Speaker:**

Kenneth Koedinger

**Wrap-up & Reflection:**

Carl Wieman

Students' unprecedented access to information on-line is dramatically and irreversibly transforming higher education. This transformation provides fantastic opportunities to improve education, but at the same time we are presented with the equally fantastic risk of losing the core elements that make higher education so valuable. Whether it has been on-line homework, electronic voting systems, or screen-casted lectures, the physics community has been on the bleeding edge of new educational technology. Our community will engage in a scholarly dialog around these

new environments including the opportunities they afford, the challenges they present, and the research enterprise necessary to address these. Conference participants will gain deeper insight into these technologically-driven environments by discussing the magnitude and rapidity of these changes, developing an understanding of the national dialog around on-line education, and discussing how physics education research can guide the development of new pedagogies for and assessments of these environments.