

**The Federation of Behavioral, Psychological, and Cognitive Sciences**  
&  
**The Human Factors and Ergonomics Society**  
*to present a science forum on:*

**Human Factors Research in Science and Technology Education:  
Accelerating U.S. Competitiveness**  
*Monday, November 13<sup>th</sup>, 9:00am – 5:00pm*  
*American Society of Association Executives, 1575 Eye St., NW, Washington DC*  
*First Floor Conference Center*  
*McPherson Square Metro, Vermont Ave. exit*

The USA is lagging behind other nations in the fields of Science and Technology and two influential reports address this issue: the National Academies' *Rising Above the Gathering Storm* and the Whitehouse *American Competitiveness Initiative* (ACI), the latter seeks funding to improve our standing. In DC circles, some argue that, in order for the USA to "catch up," the federal government should allocate significant funds to the physical sciences, technology and math education only. However, the complexity of addressing this issue is far beyond the scope of the expertise within individual disciplines in universities around the country. The behavioral sciences, notably those studying human learning and performance from the perspectives of the specialty of human factors and cognitive systems engineering, have methodologies, tools, and informative research underway that are essential to addressing and understanding the competitiveness issue. Scientists in this forum will suggest effective ways to educate the current and next generation of learners, but also will demonstrate how to take advantage of the experts we already have. This combination, if used properly, might *accelerate* our progress in realizing the goals of the ACI. Relevant representatives from federal and other DC-based organizations will discuss their views on this initiative. We expect a powerful and enlightening dialogue, with attendees leaving the discussion with greater understanding and a clearer vision of how to move forward on this important initiative.

**AGENDA**

- 8:30 *Registration; light fare, coffee and tea*
- 9:00 **Barb Wanchisen**, Executive Director of the Federation - *Welcome and Opening Remarks*
- 9:10 **Wendy Rogers**, Georgia Institute of Technology - *Moderator and Introductory Remarks*
- 9:30 **Deborah D. Stine**, Committee on Science, Engineering, and Public Policy, The National Academies
- 10:05 **Carolyn Sommerich**, Ohio State University - *"Teaching and learning with mobile technology in high school"*
- 10:45 *Break*
- 11:00 **Mark Scerbo**, Old Dominion University - *"The Future of Medical Simulation and the Need for Human Factors"*
- 11:35 **Alan Lesgold**, University of Pittsburgh - *"Complex Performance Requirements of Modern Jobs and Professions"*
- 12:10 *Lunch (complimentary buffet)*
- 1:10 **Lynn Okagaki**, National Center for Education Research, Department of Education
- 1:45 **Christopher Kello**, National Science Foundation
- 2:20 *Break*
- 2:40 **James Turner**, Chief Counsel, House Science Committee
- 3:15 **Christine Hartel**, National Research Council
- 4:00 GENERAL DISCUSSION and closing
- 5:15 *Social Hour*  
Georgia Brown's, 950 15<sup>th</sup> St, NW  
Interested in continuing the conversations initiated during the Forum? Join us at Georgia Brown's for a social hour!  
When leaving ASAE, turn left onto Eye St. At end of block, turn left onto 15<sup>th</sup> St. Georgia Brown's is located on the left hand side of the street. We'll be gathering in the bar area.