

# Medin Seminar Series



*Named in recognition of former director Dr. Medin's contribution to IST, UCF, and Modeling and Simulation, this series of seminars features authorities on the theory and practice of M&S, with special emphasis on topics that show how to bring theory into practice. Speakers are experts from throughout the simulation community, including academia, government and industry. Seminars at IST are free and open to the public.*

**March 10, 2015**

**1:00 PM**

**PIII, Room 233**

Seminars are held at:  
**Central Florida Research Park  
Partnership II & III Buildings  
3100 Technology Parkway  
Orlando, FL 32826**



**GUEST SPEAKER**

**Janis Cannon-Bowers, Ph.D.**

## **Way Ahead in Healthcare Simulation**

In the late 1980s, several incidents of global significance highlighted the role of human factors and human performance in complex task environments. Chief among these incidents was one involving the USS Vincennes, which mistakenly shot down an Iranian Air Bus, resulting in loss of life and having major political repercussions. With this incident as a jumping off point, Dr. Cannon-Bowers will summarize findings from her career that span two related topics: understanding and improving team performance, and applying findings from the Science of Learning to the design of advanced training technologies, including simulation, virtual and immersive environments, intelligent tutoring and game-based training. She will conclude with her thoughts on the future of healthcare simulation and training, and discuss ways in which UCF and IST can lead in this crucial area.

**Jan Cannon-Bowers, Ph.D.** holds MA and PhD degrees in Industrial/Organizational Psychology from University of South Florida (USF). She has over 25 years' experience conducting applied R&D aimed at improving performance in complex environments. She has held senior positions for the US Navy, in industry and in academia, earning a reputation as an international leader in the areas of simulation and game-based training, team training, training evaluation, human systems integration and applying the science of learning to real-world problems. She has been principally involved in over \$50M in research funding for government and private agencies.

Dr. Cannon-Bowers is currently advising Cubic Advanced Learning Solutions on the design of large scale game-based training for the US Navy's newest ship class. Previously, she served as the Director of Research at the Center for Advanced Medical Learning & Simulation at USF and Assistant Director of Simulation-Based Surgical Education for the Department of Education at the American College of Surgeons. She has over 200 scholarly publications, has garnered numerous awards and honors for her work and maintains an academic research affiliation at the University of Central Florida.