Experiential Learning Technology in Health Care
Baylor Health Care System

Friday, April 13, 2012
9AM-2PM
Baylor University Medical Center
Davis Auditorium, 17th Floor, Roberts Hospital

Invited Participants

Jeffrey Taekman, MD – Duke University Human Simulation and Patient Safety Center. Dr. Taekman is the Assistant Dean for Educational Technology, Director of the Human Simulation and Patient Safety Center, the Co-Director of Duke Clinical Research Institute’s Center for Educational Excellence. Dr. Taekman was a founder, the inaugural Secretary and served on the Board of the Society for Simulation in Healthcare during its establishment. He is pioneering the use of high-fidelity simulation to improve the safety and quality of clinical trials.

Michael Leonard, MD – Pascal Metrics, Inc. Dr. Leonard is a Principal at Pascal Metrics, Inc., and has been Physician Leader for Patient Safety at Kaiser Permanente and a faculty member at the Institute for Healthcare Improvement (IHI). Dr. Leonard is often credited for introducing structured communication (SBAR) into healthcare. Dr. Leonard’s work includes extensive experience in the arena of optimizing inter-professional communication in health care and the importance of human factors in patient safety.

Mary Elizabeth Mancini, PhD, RN – The University of Texas at Arlington. Dr. Mancini is Professor and Chair at The University of Texas at Arlington, College of Nursing, with a dedicated focus on education through simulation and e-learning. She is an Associate of the UTA College of Nursing Smart Hospital, a facility for innovative uses of more than 30 manikins and simulation technology. Dr. Mancini’s research interests include patient safety, nurse-physician relationships, and professional education with a specific focus on acquisition and retention of knowledge and skills.

Marjorie Zielke, MBA, PhD – The University of Texas at Dallas. Dr. Zielke is an Assistant Professor – Arts and Technology at the University of Texas at Dallas. She is an authority in cyberpsychology, which ranges in scope from studying online behavior of people and groups to creating virtual humans and societies. Dr. Zielke was the principal investigator on a US Army grant for the development of a 3D interactive game to teach soldiers the values and norms of Iraqi and Afghan cultures. The 3D Asymmetric Domain Analysis and Training model uses visual, auditory, behavioral, and cultural models for immersive cultural training using the living-world construct.

Ute Fischer, PhD – Georgia Institute of Technology. Dr. Fischer is a research scientist in the School of Literature, Communication and Culture at the Georgia Institute of Technology. Her research for the past 19 years has focused on how people collaborate and make decisions in complex, high-technology environments, in particular in aviation and space. Dr. Fischer has identified effective crew/team communication and decision processes and strategies, and their contribution to team performance. She has examined the role of cognitive, environmental and organizational factors in pilot decision errors associated with accidents and incidents.
Judy LeFlore, PhD, RNC – The University of Texas at Arlington. Dr. LeFlore is a Professor of Nursing at the University of Texas at Arlington, College of Nursing and the Director of Pediatric, Acute Care Pediatric and Neonatal Nurse Practitioner Programs. She has collaborated with The University of Texas at Dallas to construct a 3D, game-based simulator that incorporates videogame design elements to assist undergraduate student nurses to practice and apply their knowledge of pediatric respiratory disease. Dr. LeFlore has also developed a single player, game-based simulator to evaluate practicing RNs for specific competencies, centered on SBAR.