Research Overview – Interactions Design and Modeling Lab, Wright State University

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Date: Nov. 10, 2014 Time: 11:00 am to 11:50 am Place: SSOE Seminar Room NI-1027

Abstract:
Advances in mobile computing (e.g., sensor technology, context aware computing, and cloud computing) allow for the design of systems that goes beyond the traditional methods of simulation training to support adaptive learning. The focus of this presentation will be to provide an overview of research capabilities of Interactions Design and Modeling Lab and to present a project related to “Model-Based Simulation Systems for Adaptive Training in Time-Critical Decision Making”. This is project is related to developing a human performance model for predictive analysis of time-critical decision making through sensor-based information.

Speaker Biography:

Dr. Ganapathy is an assistant professor in the area of Human-Computer Interaction. She directs the Interactions Design and Modeling Lab. Prior to this; she was a researcher at Intel Corporation for six years, where she was responsible for research and development activities directed towards developing technology innovations that deliver Intel's next generation of products and platforms, including the Intel-powered classmate PC. Her research focuses on core areas of mobile computing, cognitive modeling, decision making, user-experience, and human factors engineering. She has a Ph.D. in Human Factors Engineering from Wright State University, Dayton OH. She has published over 40 articles in premier journals, conferences, and as book chapters. She is an IEEE senior member; member of the National Society of Professional Engineers (NSPE) as an EI; INFORMS member. She also serves on the technical committee for Human Computer Interaction, IEEE SMC Society. She has co-edited a book titled “Transforming Ethnography: User Experience Methods and Practices,” Nova Publishers.