

Software Technologies Distinguished Lecture Series 2008/2009

Florida Gulf Coast University

Holmes Hall 224

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Human Centered Modeling & Simulation - An Expanding High Technology Field

Abstract. Human centered modeling and simulation is a rapidly expanding sector of our national and state economies. This area of simulation includes the modeling of human activity and/or the participation of a human while the computer simulation is executing. Originally the domain of the military, power industry and airlines, human centered modeling and simulation is expanding into other fields such as health care and education. This talk will cover the definition and types of human centered modeling and simulation. Discussion topics will include academic programs, economic and societal impact, and research activity.

Speaker's Bio. Dr. Goldiez has over 30 years of modeling and simulation experience in industry, government, and academia. As IST's Deputy Director, Dr. Goldiez is involved in strategic planning, organizational matters, outreach, and organizing large, multi-discipline research programs. As Principal Investigator, Dr. Goldiez has been involved in various initiatives including, human and systems performance measurement, computer graphics, interoperability, data base research, and augmented and virtual reality systems. Dr. Goldiez publishes extensively in his areas of research and consults to industry and government (US and foreign) in his areas of expertise. Goldiez has a BS in Aerospace Engineering, an MS in Computer Engineering, and was UCF's first recipient of a Ph.D. in Modeling and Simulation. He is also a Certified Modeling and Simulation Professional (Charter Member) and Senior Member of the IEEE.