Talk Title: Intelligent Narrative Generation: Creativity, Engagement, and Cognition
Speaker: Mark Riedl, Georgia Tech, Computer Science Department
Talk Date: November 30, 2012

Time: 11:00 AM
Place: 2240, EBIII; NCSU Centennial Campus

Abstract: Storytelling is a pervasive part of the human experience--we as humans tell stories to communicate, inform, entertain, and educate. Indeed there is evidence to suggest that narrative is a fundamental means by which we organize, understand, and explain the world. In this talk, I present research on artificial intelligence approaches to the generation of narrative structures. I discuss how computational story generation capabilities facilitate the creation of engaging, interactive user experiences in virtual worlds, computer games, and training simulations. I conclude with an ongoing research effort toward generalized computational narrative intelligence.

Speaker Bio: Mark Riedl is an Assistant Professor in the Georgia Tech School of Interactive Computing and director of the Entertainment Intelligence Lab. Dr. Riedl's research focuses on the intersection of artificial intelligence, virtual worlds, and storytelling. The principle research question Dr. Riedl addresses through his research is: how can intelligent computational systems reason about and autonomously create engaging experiences for users of virtual worlds and computer games. Dr. Riedl earned a PhD degree in 2004 from North Carolina State University, where he developed intelligent systems for generating stories and managing interactive user experiences in computer games. From 2004 to 2007, Dr. Riedl was a Research Scientist at the University of Southern California Institute for Creative Technologies where he researched and developed interactive, narrative-based training systems. Dr. Riedl joined the Georgia Tech College of Computing in 2007 where he continues to study artificial intelligence approaches to story generation, interactive narratives, and adaptive computer games. His research is supported by the NSF, DARPA, the U.S. Army, and Disney.