Grant Title: ADVANCED LEARNING TECHNOLOGIES

PA Number: NSF 06-535

Area of Research: Enabling radical improvements in learning through innovative computer and information technologies.

Release Date and expiration: February 3, 2006 release; April 25, 2008 expiration

Application Deadline: May 4, 2006; April 25, 2007; April 25, 2008

Amount: Up to $200,000 per year. 6-10 standard or continuing awards.

Length of Support: 3 years.

Eligible applicants: No organizational limit specified. PI eligibility limit: an Investigator may participate as PI or Co-PI in no more than one proposal.

Agency/Department: National Science Foundation; Directorate for Education and Human Resources, Division of Research, Evaluation and Communication; Directorate for Computer and Information Science and Engineering, Division of Information and Intelligent Systems.

Summary: This funding opportunity supports research that (1) enables radical improvements in learning through innovative computer and information technologies, and (2) advances research in computer science, information technology, learning, and cognitive science through the unique challenges posed by learning environments and learning technology platforms. Integrative research approaches that build across disciplines and establish tight linkages among theory, experiment, and design are strongly encouraged. Technology goals may include systems for tutoring or assessment, modeling and sensing of cognitive or emotional states, context awareness, natural language interfaces, collaboration, knowledge management, and non-traditional goals that redefine the roles of technology in learning. Educational foci for ALT projects must include an area of science, technology, engineering, or mathematics (STEM), or general cross-cutting skills directly relevant to STEM.