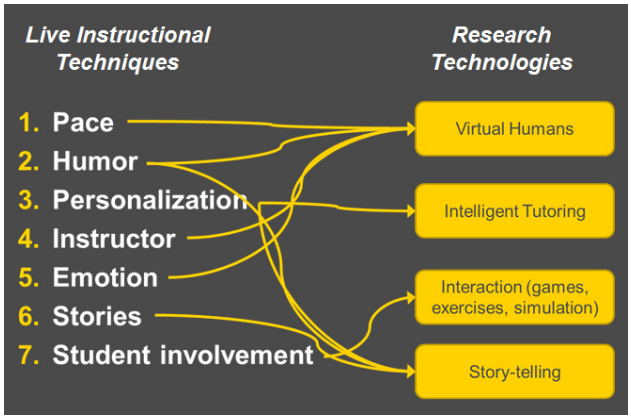
Captivating Virtual Instruction for Training

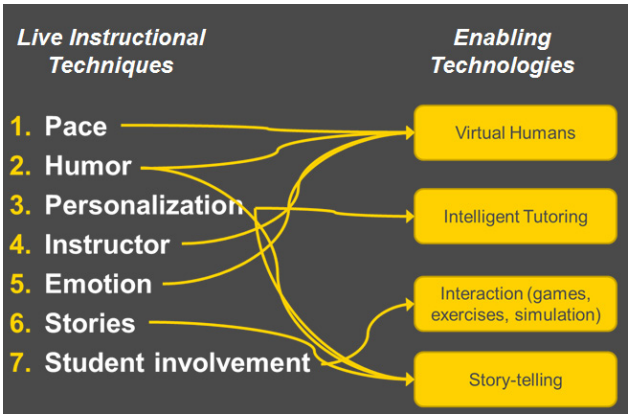
The Captivating Virtual Instruction for Training (CVIT) project is a two-year research effort seeking to produce a blueprint for mapping effective instructional techniques used in a live classroom setting to core enabling technologies, which may then be used for the design and development of engaging virtual and distributed learning (dL) applications. This 6.3 project will use an existing Army program of instruction (POI) as the research platform which has demonstrated a history of quality instruction, accomplished student learning, and positive feedback from course participants.

The output of CVIT will be a dL version of the POI which will serve two primary purposes:

1. supplement existing classroom instruction by providing students with engaging, interactive material, consistent practice and performance feedback
2. potentially replace the need for certain live or resident instruction with a dL component

USC ICT will partner with a broad cross-section of organizations, both within and outside of the Army, to leverage and expand upon existing areas of research related to codifying effective instructional strategies. Partners include TRADOC, the Maneuver Center of Excellence (MCOE), the Army Research Institute (ARI) and USC's Rossier School of Education. We will analyze how to effectively incorporate specific instructor methodologies into the USC ICT evidence-based instructional and system design processes. In doing so, the essence and style of military instructors will be captured and codified in a manner that allows them to be delivered digitally without the need for a human instructor in the loop. The CVIT project is multi-disciplinary and will bridge research from the fields of virtual humans, intelligent tutoring, cognitive and learning sciences, military instruction and entertainment.





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At the University of Southern California Institute for Creative Technologies leaders in artificial intelligence, graphics, virtual reality and narrative advance low-cost immersive techniques and technologies to solve problems facing service members, students and society.

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