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MTEC AND U.S. ARMY FUND DEVELOPMENT
OF AUGMENTED REALITY MILITARY MEDICAL TRAINING

Charleston, SC – In partnership with the U.S. Army Medical Research and Materiel Command (USAMRMC), the Medical Technology Enterprise Consortium (MTEC) is pleased to announce that Design Interactive, of Orlando, Florida, has been awarded funds to develop and adapt augmented reality (AR) classroom training for military medical personnel that can improve treatment for combat injuries and enhance warfighter survivability.

Frequently, the proficiency of Combat Lifesavers (CLS) and Combat Medics (CM) determines whether warfighters survive battlefield injuries. However, limits on military medic and lifesaver training—such as the prohibitive costs of realistic, interactive medical mannequins and the lack of opportunities to practice and perform trauma care when not deployed—make it difficult to adequately train military medical personnel. Work by Design Interactive will improve the accessibility of realistic training simulations for Army CLS and CMs, ultimately enhancing field medical care.

MTEC awarded project ceiling in the amount of \$1,299,999 to Design Interactive to implement MedAR, Design Interactive's modular, medical AR prototype that superimposes synthetic imagery onto live patients and/or medical mannequins in training of realistically modeled combat casualty states. Through this project, Design Interactive will integrate MedAR into the Army's classroom Point of Injury wound training for medical novices. These efforts will result in an augmented reality system for classroom medical training that accelerates the development of critical combat lifesaving skills, improves retention of those skills, and helps transition those skills to the battlefield.

"MTEC is honored to be a part of this vital effort to enhance military medical training," said Lester Martinez, MD, MPH, Major General (Retired), U.S. Army, President and Chairman of MTEC Board. "Development work by Design Interactive will increase the readiness of military medical personnel and improve survivability for American Soldiers, Sailors, Airmen, and Marines."

MTEC is a biomedical technology consortium collaborating with multiple government agencies under a 10-year renewable Other Transaction Agreement with the U.S. Army Medical Research and Materiel Command. To find out more about MTEC, visit www.mtec-sc.org.



