



Media Contact:

Ms. Lori DeBernardis

Director of Marketing & Public Affairs

Telemedicine & Advanced Technology Research Center (TATRC)

E-mail: usarmy.detrick.medcom-usamrmc.list.tatrc-PAO@health.mil

TATRC Awards Research Contract for Simulation Ecosystem Development for Validation of Emerging Technologies within Autonomous Casualty Care (AC2) Research Portfolio

Novel capabilities to collect casualty care data in hyper-realistic battlefield conditions.

Press Release – For Immediate Release

6/28/2024

FORT DETRICK, Md. – The United States Army Medical Research & Development Command's (USAMRDC) Telemedicine & Advanced Technology Research Center (TATRC) has awarded a research contract to Ragged Edge Solutions (RES), LLC, via a Medical Technology Enterprise Consortium (MTEC) Other Transaction Authority (OTA) award as a key component of their Autonomous Casualty Care (AC2) mission.

One critical aim of TATRC's AC2 research portfolio is to build a foundational repository of data generated from multimodal sensors passively and unobtrusively collecting data during casualty care that accurately reflects tactical combat casualty care (TCCC). One environment to collect this type of data is a semi-controlled setting of hyper-realistic medical simulation training. This award allows TATRC to collect data in a controlled, hyper realistic battlefield venue that is routinely offered by the commercial sector by the North Carolina based RES team.

“Without a means to collect data reliably and passively from the point of injury (POI) through higher echelons of care, the Military Health Care system will continue to lack the necessary data to develop trustworthy artificial intelligence (AI) that supports future concepts that will modernize medical operations to address the challenges faced in Multi-Domain and Large-Scale Combat Operations. TATRC welcomes the opportunity to partner with Ragged Edge Solutions to help accomplish this goal by providing a hyper realistic medical training venue for TCCC data collection,” said TATRC's Commander, COL Jeremy Pamplin.

The Ragged Edge Solutions team will commence their support of TATRC's AC2 research portfolio with the introduction of novel, hyper-realistic data collection scenarios and expert medical providers that will contribute to the foundational data repository. Their expertise in producing hyper-realistic medical scenarios will help expand existing TATRC data collection efforts within TATRC and at other research sites. Once the initial phase is completed, the RES team will commence routine data collection events for TATRC on a weekly basis. This research award has been structured for an initial 12-month period of performance, with an option to extend for an additional 12 months based on performance for a total value of \$900K.

-END-

About TATRC:

U.S. Army's Telemedicine & Advanced Technology Research Center's (TATRC) is engaged in essential medical research focused on advanced medical technologies and is dedicated to bringing innovative telehealth solutions to the Warfighter and the Military Health System. TATRC fosters research on health informatics, telemedicine / m-Health, medical training systems and computational biology to address gaps in DoD medical research programs and military healthcare.

For more information on TATRC, please visit: <https://www.tatrc.org>.

About Ragged Edge Solutions:

RES is comprised of Internationally recognized leaders in Special Operations and Military Medicine and the pioneers of Prolonged Field Care. The unique training and R&D capabilities RES provides the US and NATO Special Operations community is unparalleled in quality, satisfaction, and a steadfast reputation for the highest quality pre-hospital education available.

For more information on Ragged Edge Solutions, please visit: <https://www.raggededgesolutions.com>.