

Hacking the Human Element

Tampa, FL - December 1-3, 2017



Bringing together practitioners, technologists, developers, academia, industry partners and the military to build and demonstrate product prototypes that incorporating wearable technologies to enhance operator performance in austere environments.

Austere environments to include remote medical facilities, conflict zones, and emergency/disaster response.

Operational experts will provide unique insights of the physical and mental challenges, remote communication needs, data collection / organization requirements, and the application of these technologies in environments at the edge.

Solution Concept Inspiration

Develop hardware/software prototypes that address the challenge by providing:



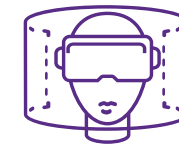
Physiological and Performance Monitoring:

- Remote triage and far forward medical monitoring
- Human performance metric collection.



Data Analysis and Management:

- Reliable predictive analytics
- Data management and visualization



Interaction & Response:

- Augmented devices for improved operator performance
- Effective man/machine pairing

Hackathon solutions will be evaluated on:

- Potential impact of proposed solution on challenge area
- Customer validation for proposed solution
- Level of demonstration of proposed solution
- Viability of bringing the solution to market

Winning teams will receive up to \$15K to advance their concept in collaboration with MD5.