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CIT Announces the New Companies Selected for *EMERGE 2016: Wearable Technology*

10 cutting-edge wearable technology ventures selected for EMERGE 2016

October 6, 2016 (HERNDON, Va.) – The Center for Innovative Technology (CIT) announced today the 10 companies that have been selected to participate in the ***EMERGE 2016: Wearable Technology*** program. *EMERGE 2016* is an expansion of the successful pilot begun last year that accelerated the delivery of the latest innovative wearable technologies for first responders. The program is led by a partnership between CIT, TechNexus, the Department of Homeland Security (DHS) Science and Technology Directorate (S&T), and the Pacific Northwest National Laboratory (PNNL).

Applications for the program opened in August 2016 and resulted in a highly-competitive selection process in which the partners evaluated 261 ventures from 149 different cities. The selected companies come from a diverse set of fields and possess next generation technology that has the potential to make a profound impact. Over the course of the *EMERGE* program, companies will explore various avenues to bring their technologies into the first responder market.

"The goal for *EMERGE* is to widen the scope of companies bringing leading edge technology to the first responder market. We are very pleased with the range of innovative entrepreneurial companies that submitted applications to participate this year," said CIT Chief Technology Officer, Dave Ihrie. "We have high aspirations that many of these technologies will quickly enter the market to help our nation's responders and improve public safety."

Nine first-time ventures have been accepted to the *EMERGE* program

- **Augmate** is a provisioning and management software platform for wearable devices, helping IT departments more effectively track users and devices, collect sensor data, communicate with workers, and control approved applications and situational connectivity.

- **CommandWear** is a device agnostic software platform that integrates data from location and biometrics data from wearables and devices to provide real time personnel tracking, two-way text based communication and video sharing to help teams plan, execute, and review operations.

- **HAAS Alert** is a mobile vehicle-to-vehicle communication platform that utilizes acoustic sensors and location data to connect people, vehicles, and things in cities, streamlining the disaster and emergency notification process to keep all parties safer and more informed.

- **Lumenus** creates smart clothing that leverages LED lighting and connectivity to improve visibility of consumers and industrial workers and increase situational awareness among teams in the field.

- **LuminAID** creates durable, low cost, and low profile inflatable solar lamps that can be stored efficiently and deployed at scale in the event of a natural disaster, severe power outage, or public safety emergency.

- **Pear Sports** is a responsive coaching and training application that uses biometric signals like heart rate and VO2 max, as well as location and environmental data, to intelligently build training programs aimed at improving the long term health of users.

- **Six15 Technologies** produces rugged wearable devices for military and industrial use cases capable of streaming video and displaying data through augmented reality overlays to improve situational awareness.

- **VaultRMS** Vault Exposure Tracker is a software platform that leverages biometric and situational data from wearable devices and other inputs to build a long-term health profile of workers exposed to health-compromising environments, driving improvements in health, safety, and overall worker productivity.

- **Visual Semantics** integrates with cloud-enabled wearable cameras and heads up displays to provide real-time facial recognition and alerts to help first responders more intelligently assess and react to situations in the field.

Building on the market traction and progress from last year, *EMERGE 2016* also includes Human Systems Integration from the 2015 pilot, advancing its progress toward the market and providing perspective to the new cohort of ventures this year.

- **Human Systems Integration** created a multi modular integration for first responders and military with skin level remote physiological monitoring, providing a comprehensive plug and play wearable situational awareness and communications platform.

For more information about *EMERGE* visit www.cit.org/emerge and www.technexus.com/emerge.

About the Center for Innovative Technology, www.cit.org
Since 1985, CIT, a nonprofit corporation, has been Virginia's primary driver of innovation and entrepreneurship. CIT accelerates the next generation of technology and technology companies through commercialization, capital formation, market development and revenue generation services. To facilitate national innovation leadership and accelerate the rate of technology adoption, CIT creates partnerships between innovative technology start-up companies and advanced technology consumers. CIT's CAGE Code is 1UP71. Follow CIT on Twitter @CITorg and add the Center for Innovative Technology on LinkedIn and Facebook.

About TechNexus Venture Collaborative, www.technexus.com
TechNexus Venture Collaborative bridges the gap between the global entrepreneurial ecosystem and leading corporations, catalyzing meaningful engagement between the two. Blending elements of venture incubation, capital, and corporate innovation, TechNexus is a second-stage accelerator that invests in venture growth in collaboration with closely aligned corporate partners. Over 400 ventures have grown with TechNexus to date, and it operates a global network through which it sources, filters, and engages venture activity.

About Department of Homeland Security Science and Technology Directorate,
www.dhs.gov/science-and-technology
The United States Department of Homeland Security (DHS) Science and Technology Directorate (S&T) conducts serves as the scientific and analytical core of U.S. Department of Homeland Security. S&T supports the Homeland Security Enterprise in six core areas borders and maritime security, cybersecurity, chemical and biological defense, countering explosives, enhancing resilience, and first responder safety and security. To learn more, please visit www.dhs.gov/science-and-technology. Follow S&T on Twitter @DHSSciTech and Facebook.

About Pacific Northwest National Laboratory, www.pnnl.gov
Interdisciplinary teams at PNNL address many of America's most pressing issues in energy, the environment and national security through advances in basic and applied science. Founded in 1965, PNNL employs 4,400 staff and has an annual budget of nearly $1 billion. It is managed by Battelle for the U.S. Department of Energy's Office of Science. As the single largest supporter of basic research in the physical sciences in the United States, the Office of Science is working to address some of the most pressing challenges of our time.

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