

# ICEHOUSE CHALLENGE

A Competition to Create the Future of  
Wearable Tactical Communication and Support Systems



IEEE



Want to create the future of body-worn lifesaving technology,  
and compete at BSN 2016 in San Francisco this summer?  
Submit your ideas to the Icehouse Challenge!



In the USA alone there are over 23.5 million highly trained first responders risking their lives daily.

The goal of this competitive challenge is to create tools that enhance their situational awareness, making their job safer and easier. It's up to you to integrate physiological and environmental sensor data into a display that provides context sensitive and actionable information using minimal manual input.

Equipped with an Android smart phone, a Sony Smart Band, and Sony Smart Eyeglasses, real first responders will use YOUR applications to help them through a live-action training simulation. Your code will need to provide decision support, monitor physiological state, and enable team communication. This will allow them to prioritize actions, triage victims, and coordinate efforts.

Final scoring will be based on user experience, software quality and key metrics such as mission time, effort, and protection from hazards.

**Mar 4: One-page proposal due**

**Mar 14: Semi-finalists announced**

- Eight semifinalist teams will be awarded a Sony Smartband 2 and a Raspberry Pi Kit

**Mar 29: Finalists announced**

- Four finalist teams win a pair of Developers' Edition Sony SmartEyeglasses and a chance to compete for the grand prize at the IEEE Body Sensor Networks Conference
- Each team will receive a travel and conference registration fellowship of \$4,000

**June 14-17: Finalists compete at 2016 IEEE Body Sensor Networks Conference**

**First place - \$20,000**

**Second place - \$6,000**

**Third place - \$2,000**

For more information, visit

[bsn.embs.org/2016/ICEHOUSE](http://bsn.embs.org/2016/ICEHOUSE)

