

# WBTshowcase

## **Profile: SPAWAR Systems Center Pacific**

**December 21, 2009** – Touch, one of the world's oldest forms of communication, is central to some of today's most revolutionary technologies. Haptic (touch-based) technology, such as that used by San Diego-based SSC Pacific's Haptic Glove, can enable complex communication in challenging environments including underwater, on the battlefield, in space and across language barriers.

"Each finger of the Haptic Glove is fitted with a sensor to measure movement, called an accelerometer, and a vibration motor that creates 'sense of touch' feedback," said Brian Suh, a Technology Transfer Deputy for SSC Pacific.

Movements captured by Haptic Glove sensors can be translated into language and sent wirelessly from one glove to another as vibrations, or communicated electronically through text, voice or even Braille.

"The possibilities are endless" said Mr. Suh. "The glove can potentially be used for medical procedures, education and training, by firefighters and divers, even by gamers to control their characters."

The Haptic Glove has been selected as an "Early Pick" Technology Presenter for the 2010 WBTshowcase (WBT2010), the prestigious global investment and licensing forum held March 16-17, 2010, in Arlington-DFW, Texas.

SSC Pacific learned of the event through the WBTshowcase's long-standing partnership with the Federal Laboratory Consortium.

"The WBTshowcase gives me the opportunity to see some of the newest technologies," said Mr. Suh, who attended WBT09. "It's exciting for me and the networking is great."

### **WBTshowcase**

The WBTshowcase is the world's premier event exposing undiscovered, revolutionary energy, life science, IT and physical science technologies emerging from top universities, labs and research institutions. Each WBT is a year long collaborative effort resulting in deals vetted and mentored by investors and licensees for investors and licensees.

[www.wbtshowcase.com](http://www.wbtshowcase.com)

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### **Snapshot: SSC Pacific**

Space and Naval Warfare Systems Center Pacific (SSC Pacific) is the Navy's premier research, development, test, & evaluation (RDT&E) laboratory for command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR).

### **The Technology**

SSC Pacific's Haptic Glove builds on advancements in sensors and software that enable complex communication through haptics (touch). SSC Pacific's glove prototype can send and receive messages simply by moving fingers.

### **The Opportunity**

Applications for the Haptic Glove exist in a wide range of sectors. In addition to person-to-person communication, the glove can interact with computers, the World Wide Web, and even autonomous robotic vehicles. Its silent capabilities could enhance communication where gloves restrict precise interaction or in dangerous, dark, or noisy environments; firefighters, divers, astronauts, and the war fighter are examples. Lastly, the glove provides the ability to communicate through language barriers or with the deaf.

### **The Goal**

SSC Pacific seeks strategic licensing partners for commercialization of the technology.

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