These new experiences, enabled by flexible, connected devices, can be created with the help of Dassault Systèmes’ solutions.


Sources:

Guiding to their destination through simple vibrations, Lechal, is now being rolled out to anyone that wants to help mobility, haptic shoe technology, such as originally designed for the visually impaired.

Good Vibrations

If there are signs of injury, it warns the user. It uses sensors to track what's going on deep inside the leg muscles. It provides information on things like lactic acid, hydration, muscle levels, including number of steps taken, quality of sleep, body temperature and sweat.

Wireless Health

Electromagnetic pollution.

Stress arising in your body from rate, and physiological or biological stress by monitoring brainwaves, heart rate, and physiological stress.

The V1bes ring can detect and manage wounds, or storing vital personal information.

Hands On Learning

Using vibrating motors sewn into the knuckles, have developed a glove that helps users learn to play hands-free games, use a keyboard, or control an electric wheelchair… by thought alone.

Mind Power

Emotiv’s Neuroheadset reads brainwaves and connects wirelessly to a computer. The neuroheadset can be used to play hands-free games, use a keyboard, or control an electric wheelchair… by thought alone.

Memory Retriever

The US Defense Advanced Research Projects Agency (DARPA) is testing wireless and implantable medical devices that can bridge the gaps that interfere with an individual’s ability to encode new memories or retrieve old ones.

Injury Prevention

A device called Hövding can detect when a cyclist has been in a collision – by monitoring changes in velocity and angle of travel – and automatically inflates the airbag to protect the cyclist’s head from injury.

It's a Knock Out

FITGuard measures the force of head impacts in sport. An LED in the mouth-guard lights up when there is an impact and the colour of the light determines the severity of the blow.

Ingestible Diagnosis

Novartis and Google are developing a smart contact lens to help people with diabetes monitor their glucose levels and body temperature.

Make Tears Count

Swiss researchers have developed the world's first implantable chip that can continuously monitor and record the glucose and cholesterol, as well as pH levels. The lens has a miniature sensor that measures glucose in tears and a wireless chip to transmit the readings to a smartphone or other device.

Foods for Thought

A British research team is developing pills with microprocessors in them that can text doctors directly from inside your body. The pills can send information to an app on your phone. You can get data on how much you burned, and how hard your heart worked.

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Smart Diet

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