

HotSpot Episode 48: High-Tech Bra Tracks True Love

Eric Sorensen, Coordinator of Multimedia Development

This week on WDD's HotSpot,

- Researchers at the Autonomous University of Barcelona have managed to distinguish between different varieties of beer using [an electronic tongue](#) [1], with an accuracy of 82 percent. The concept of the electronic tongue involves an array of sensors formed from 21 ion-selective electrodes. The study concludes that these tools could one day give robots a sense of taste, and even supplant panels of tasters in the food industry to improve the quality and reliability of products for consumption.
- Japanese lingerie maker, [Ravijour](#) [2], is celebrating their tenth anniversary with the launch of their new high-tech bra, True Love Tester. Featuring embedded sensors and a high-tech clasp, the True Love Tester bra connects to a smartphone app via Bluetooth, and only snaps open when it senses that the woman is in love. According to the designers, the sensors monitor the woman's heart rate and the app analyzes the received data to figure out whether the woman is in the grip of true love.
- Finnish company Myontec has developed a pair of shorts that lets you know how you're working your muscles. [Mbody](#) [3] system consists of a sensor-equipped pair of MShorts, an MCell module that plugs into those shorts, and an app that displays the processed data on your mobile device. Mbody provides detailed information on muscle performance in real time and in any training environment. Knowing your muscles redirects training towards achieving personal best; it improves your techniques, muscular balance and efficiency, and you have better control on your training intensity.
- Researchers from the [Bar-Ilan University](#) [4] have developed a bionic contact lens to help the blind see. Fitted and worn like a regular contact lens, this new invention is manufactured with electrodes that receive signals from a camera. When a user looks or points the camera at an object, the camera translates the image to a type of electronic Braille, and the contact lens "excites" the retina with tactile sensations. While still in early development, these lens hold significant potential as an aid for the visually impaired.

Do you have story ideas? Comment below or email wdd_web@advantagemedia.com [5] we'll cover them in an upcoming episode.

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Links:

[1] http://www.eurekalert.org/pub_releases/2014-01/f-sf-aet013014.php

[2] <https://www.ravijour.com/>

[3] <http://www.mbody.fi>

[4] <http://www1.biu.ac.il/indexE.php?id=33&pt=20&pid=117&level=2&cPath=33&type=1&news=2057>

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