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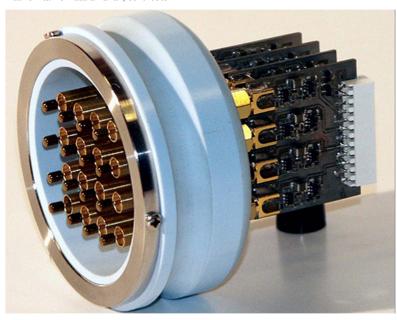


Biosensor can monitor your heartbeat from a distance

17:44 16 November 2011

Healthcare Technology

Madhumita Venkataramanan, contributor



(Image: Plessy Semiconductors)

A new type of sensor can continuously monitor your heart rate without actually touching you.

The chip, known as the Electric Potential Integrated Circuit (EPIC) biosensor, is essentially a super-sensitive digital voltmeter which can measure tiny changes in electrical fields around all muscles and nerves.

The final product will be integrated into hospital beds, from where it will unobtrusively monitor a patient's vital signs, doing away with pesky tubes, leads and wires. It can track movement not only in heart muscles, but also muscles in the lungs, limbs and eyes.

The sensor's special twist is a filtering technology which isolates and spits out the exact measurement you want. So, if you're looking for eyeball movements, the sensor will comply, without confusing you with an ECG reading.

Plessey's scientists hope it can be used to help paraplegics. Because the EPIC chip can track

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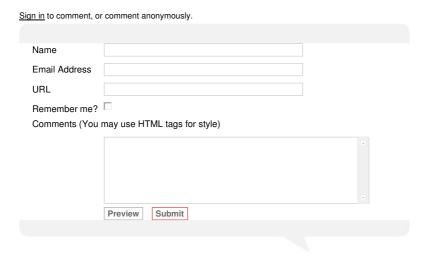
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