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Scientists develop bendy LEDs

August 27, 2009

An international group of researchers has come up with a new process which could lead to the evolution of flexible LED displays.

Incorporating scientists from the University of Illinois, Northwestern University, the Institute of High Performance Computing in Singapore and Tsinghua University in Beijing, the new development uses miniature, ultra-thin, organic LEDs.

Despite their diminutive size, the devices provide greater illumination and last longer than their inorganic counterparts and it is thought that the LEDs could be used to create screens on any surface.

John Rogers from the University of Illinois said: "Wrapping a stretchable sheet of tiny LEDs around the human body offers interesting opportunities in biomedicine and biotechnology, including applications in health monitoring, diagnostics, and imaging."

Japanese firm Dai Nippon Printing recently designed a new poster which utilises LEDs and organic LEDs to create the effect of a stadium full of moving people, according to Tech-on.

Rapid Electronics is a leading UK supplier of LED products and optoelectronic components for industrial, educational and consumer applications.

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