

The Ladders

Your \$100K+ career experts

YOUR NEXT BIG  
PAYCHECK

SEARCH \$100K+ JOBS

Careers   Development   Digital Marketing   Hardware   IT Services   Mobile  
Operating Systems   Security   Small Business   Software   Storage   Unifier

## Flexible displays: Ready to wear?

What's interesting is that the flexible displays would be composed of inorganic LEDs, normally used in huge outdoor billboards

Robert S. Anthony (PC World (US online)) 22/08/2009 03:35:00

**Tags:** [displays](#), [LED](#), [oled](#)

If new research bears fruit, the next stop for flexible display [technology](#) might be the side of a commuter bus or the front of a T-shirt. An international team of scientists has developed a way to manufacture flexible and essentially transparent LED displays that could be tightly fitted over a solid object or integrated into fabrics. The research was published in the journal [Science](#) (paid subscription required).

Have your say! 0

What's interesting is that the flexible displays would be composed of inorganic LEDs, normally used in huge outdoor billboards, as opposed to [organic LEDs](#) (OLEDs), which are often used in [cell phone](#) displays. Inorganic LEDs are bright and tough, according to [Science](#), but usually have to be cut and assembled. The new process allows the inorganic LEDs to be "rubber-stamped" onto flexible materials like rubber or plastic or more rigid materials like glass.

Under the snappy title "[Printed Assemblies of Inorganic Light-Emitting Diodes for Deformable and Semitransparent Displays](#)," scientists from the University of Illinois Urbana-Champaign, Northwestern University, Tsinghua University in Beijing, China and the Institute of High Performance Computing in Singapore explain that the [new technology](#) could be used in displays "that might be interesting for integration with the human body and other curvilinear, deformable surfaces, all of which demand more than simple bending."

Does that mean that there might be an electronic billboard T-shirt in your future? Only time will tell.

[Science](#) via [Reuters](#) and [Electronista](#)

### References

[Science](#)

[Seiko Epson Works Towards Printable Big-screen OLEDs - PC World](#)

[Science](#)

[Science/AAAS : Science Magazine: Sign In](#)

[Science/AAAS : Science Magazine: Sign In](#)

[Reuters](#)

[Electronista : Scientists develop bendable LEDs](#)

More about [AAS](#), [Diodes](#), [Epson](#), [Reuters](#), [Seiko](#), [Seiko Epson](#)

## Comments

Post new comment

**YOUR NAME:**

Anonymous

**E-MAIL:**

The content of this field is kept private and will not be shown publicly.

**SUBJECT:**

**COMMENT: \***

- Web page addresses and e-mail addresses turn into links automatically.
  - Allowed HTML tags: <a> <em> <strong> <cite> <code> <ul> <ol> <li> <dl> <dt> <dd>
- Lines and paragraphs break automatically.

[More information about formatting options](#)

**HOMEPAGE:**

Enter the fully qualified URL, eg. <http://www.example.com/>

Users posting comments agree to the Techworld Australia comments [policy](#).

[Login](#) or [register](#) to link comments to your user profile, or you may also post a comment without being logged in.

Save

Preview



## MARKET PLACE

**WHITEPAPER:**  
Convert Windows Task Scheduler SQL Server to JAMS Jobs

Easily and immediately migrate your Windows and SQL processes into JAMS, and benefit from robust scheduling capabilities.



New Resource | [Data Centre Assessments: The First Step to Optimisation](#)



Database eBook | [Options for an Evolving World](#)



New white paper | [How to migrate your Windows and SQL processes into JAMS and benefit from robust scheduling capabilities now.](#)



Online software scams: A threat to your security | [A report by the BSA | Download now](#)



Email Compliance White Paper | [Email use and misuse within the workplace](#)

## BUYING GUIDES

1. [Portable Multimedia Players](#)
2. [Digital Cameras](#)
3. [Digital Video Cameras](#)

## LATEST PRODUCTS

1. [Kogan Technologies 8in WiFi digital photo frame](#)
2. [Panasonic LUMIX DMC-ZR1 digital camera](#)
3. [Toshiba SDP92SKY](#)

1. [A better test to detect DNA](#)
2. [Australian biotech market watch 28/08/09](#)
3. [Sirtex profits up eightfold](#)
4. [Cellestis posts strong result](#)
5. [QRxPharma pilot study gives good results for MoxDuo](#)

1. [Iomega unveils new Linux-based, entry-level NAS server](#)
2. [Reports: \\$US29 Snow Leopard upgrade works on Tiger, too](#)
3. [To woo partners, cloud computing vendors show them the money](#)
4. [Upgrading to Apple's Snow Leopard OS: What you need to know](#)
5. [Angry Adobe users rant about Snow Leopard support](#)

1. [NBN Su public/p right mc](#)
2. [NBN Su mixed c upgrade](#)
3. [The ISF Optus](#)
4. [NBN Su best op](#)
5. [Harvey](#)



Copyright 2009 IDG Communications. ABN 14 001 592 650. All rights reserved. Reproduction in whole or in part of IDG Communications is prohibited.

IDG Sites: [PC World](#) | [GoodGearGuide](#) | [Computerworld Australia](#) | [CIO Australia](#) | [CSO Online](#) | [ARN](#) | [CIO Executive Co](#)

Links: [Privacy Policy](#) | [Advertising](#)