

Weekly Discovery

We SHARE to inspire and ignite ideas!

4 July 2016 – 8 July 2016

ARCHITECTURE

Constructing The Floating Piers: How the Last Great Work of Christo and Jean-Claude Was Built



You may have been amazed by the floating walkway, [The Floating Piers](#), a masterpiece of artists Christo and Jean-Claude over Lake Iseo, Italy. But do you know how this giant project was constructed?

Source: [Archdaily](#) (30 June 2016)

ELECTRIC CARS

Record-Breaking Electric Car Goes from 0 to 62 Mph in 1.5 Seconds



This [record breaking electric car](#) was designed and built by a team of 30 students in less than a year. Discover more about this electric car that clocked a speed that is faster than any conventional petroleum powered car in the world.

Source: [Livescience.com](#) (28 June 2016)

ELECTRICITY STORAGE

Sisyphus's Train Set

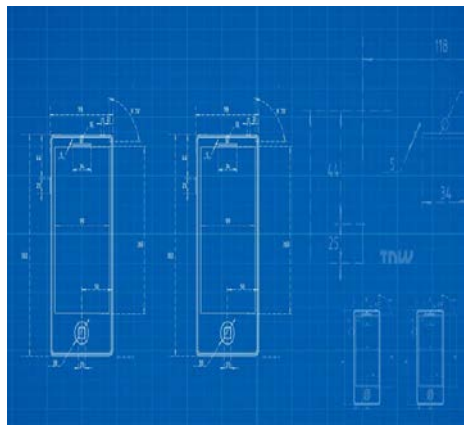


This group of engineers has developed an innovative way of storing electricity using rocks and railway systems. This is believed to be an alternative solution when the local geographic conditions are against traditional pumped storage.

Source: [Economist](#) (2 July 2016)

PATENTS

This Week in Patents: Is this What the Google Glass Successor Will Look Like?

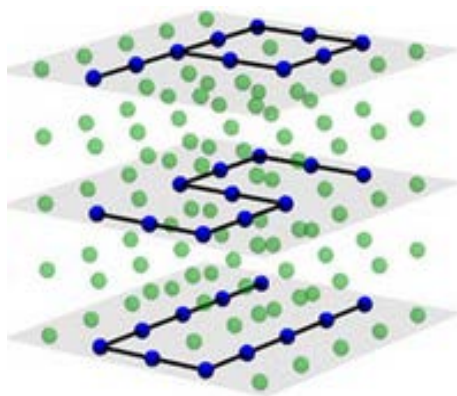


Introducing the five most headline-grabbing patents issued by the US patent office in the past week! They include the new use of the Maglev train technology, onboard location-based services and a cooler version of Google Glass.

Source: [Thenextweb.com](#) (4 July 2016)

QUANTUM COMPUTING

Lasers and microwaves lead to better quantum computing circuits



Researchers of Penn State University have recently found that a laser and microwave technique that can channel a large number of atoms. In doing so, it can pave the way for better quantum computing circuits.

Source: [Engadget.com](#) (4 July 2016)

SENSORS

Wireless, wearable toxic-gas detector

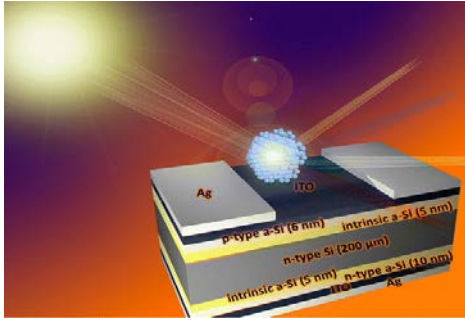


MIT researchers have recently developed a [wireless wearable sensor](#) that can detect small quantities of toxic gases. This can be useful when working around dangerous chemicals and by soldiers to sense chemical weapons. Also refer to this [ACS paper](#).

Source: [Phys.org](#) (30 June 2016)

SOLAR CELLS

Graphene quantum dots can improve the efficiency of silicon solar cells

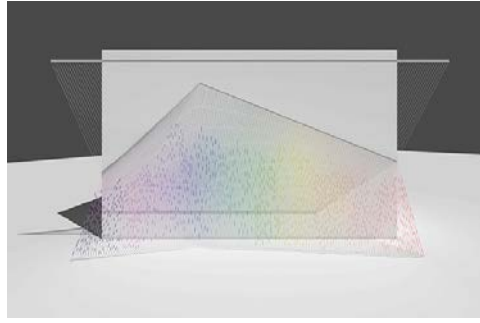


Introducing the next generation of solar cells! They are silicon solar cells with graphene flakes incorporated into them expanding the usable light range in silicon solar cells to improve their efficiency. Also read this [ACS article](#) for additional information.

Source: [Phys.org](#) (30 June 2016)

URBAN SPACE

Cross-block connections that generate new urban spaces



Beomki Lee developed cross-block connections that allow individuals to personalize passageways by 'colouring their space by themselves'. These connections discard the old notion that passageways cannot be occupiable spaces.

Source: [Designboom.com](#) (3 July 2016)

WORLD ECONOMY

Brexit



Britain has voted to leave the EU. Find out what this all means and how it might affect you and the rest of the world. Please sign up for your free Financial times account by going to this [link](#).

Source: [Financial Times](#) (5 July 2016)

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