

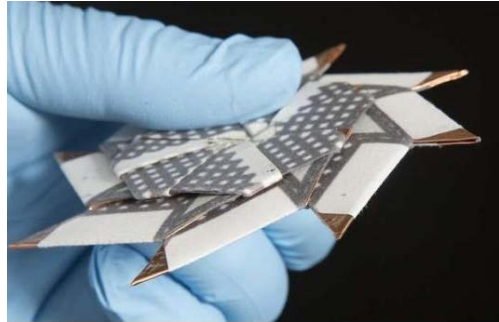
# Weekly Discovery

We SHARE to inspire and ignite ideas!

13 June 2016 – 17 June 2016

**BATTERY TECHNOLOGY**

**Disposable battery runs on drops of water**



A revolutionary battery that uses virtually any droplets of water to work has been developed. It is foldable, disposable and low in cost. Aimed to provide people in developing nations with a portable source of electrical power. Also, find out more about this battery in [Sciencedirect](#).

Source: [Digital Journal](#) (12 June 2016)

**CARBON CAPTURE AND STORAGE**

**Underground Injections Turn Carbon Dioxide to Stone**



In Iceland, researchers discovered a new method to fight climate change by locking up the greenhouse gas without leakage. Carbon Dioxide was pumped into deep underground and amazingly it transformed into new carbonate minerals that may stay there forever. Additionally, get more details about this process in [Science](#).

Source: [Science](#) (10 June 2016)

**ELECTRONICS**

**New way to control oxygen for electronic properties**



[Argonne National Laboratory](#) has discovered that a small electric current can be used to introduce oxygen voids, or vacancies, to alter the conductivity of thin oxide films. This technology is expected to be used in the making of industrial catalysts and in electronics. You can also learn more about it at [Nature](#).

Source: [Sciencedaily](#) (10 June 2016)

**HYPERLOOP TECHNOLOGY**

**Hyperloop One Wants to Build Super-fast, On-demand Underwater Transport Systems**



Hyperloop technologies have once again hit the headlines. Hyperloop One, the U.S. high-speed transport company, conducted its first public test of a metal sled zipping through the desert on railway tracks at 115mph in 2 seconds. In addition, you may read more about these technologies in [Forbes](#).

Source: [The Next Web.com](#) (14 June 2016)

**SMART HOME**

**This Ingenious Device Turns Any Surface into a Remote Control**



Knocki is a smart gadget that can instantly make any surface smart. Sticking to a surface like a table or a door, Knocki is able to interpret a pattern of knocks or taps into commands, such as brewing your coffee from bed, adjusting room temperature, or anything that can be programmed over Wi-Fi.

Source: [Tech Insider](#) (10 June 2016)

**SMART MATERIALS**

**New nanomaterial offers promise in bendable, wearable electronic devices**



Researchers from the University of Illinois and Korea University produced a bendable, stretchable film that is extremely thin. The film consists of looping nanofibres and it will be used in wearable electronic devices. In addition, you can find out more about this film at [Wiley](#).

Source: [Phys.org](#) (13 June 2016)

#### SOLAR ENERGY

### This Solar-powered Self-driving Boat is Making a Historic Journey across the Atlantic Ocean



On June 1, Boston, a small self-driving boat named '[Solar Voyager](#)' set out on its journey across the Atlantic Ocean. Solar Voyager only relies on solar photovoltaic technologies to generate power for sailing, without using any other form of energy.

Source: [Inhabitat.com](#) (14 June 2016)

#### SUSTAINABILITY

### Completely edible Cups are just the thing for your outdoor summer drinking



Introducing [edible cups by Loliware](#)! They eliminate the waste generated by disposable plastic cups. Should the cups remain uneaten after use, they will be broken down in compost within 2 months. You can also visit [Loliware](#) to find out more about them.

Source: [Food and Wine.com](#) (10 June 2016)

#### 3D PRINTING

### BAM reveals world's first autonomous robot 3D printer



Presenting 3D Builder! It's a robot that can transport itself around a building site to print stone or concrete buildings. It can also recycle its own products by forming buildings out of waste concrete or stone. Also, see the 3D builder at work in this [video](#).

Source: [Global Construction Review](#) (13 June 2016)

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