

Weekly Discovery

We SHARE to inspire and ignite ideas!

29 August 2016 – 2 September 2016

ARCHITECTURE

Solar-powered ring garden marries desalination and agriculture for drought-stricken California



Architect Alexandru Predonu Ring Garden concept that will produce clean drinking water and food crops for the drought-stricken areas. A finalist in this year's Land Art Generator Initiative competition.

Check out another finalists [work](#).

Source: [Inhabitat.com](#) (25 August 2016)

AUTONOMOUS VEHICLES

Self-driving taxis hit the road in Singapore

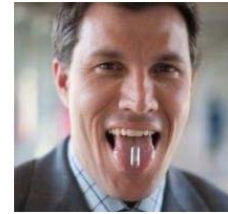


US autonomous car company [nuTonomy](#) just launched the world's first public trial of self-driving cars in Singapore.

Source: [Financial Times](#) (25 August 2016)

BATTERY TECHNOLOGY

A battery you can safely swallow



A non-toxic, biodegradable battery, relying on compounds naturally occurring in skin, hair and eyes to power ingestible medical devices. These devices can be swallowed and then excreted.

Source: [Engineering 360](#) (29 August 2016)

BLOCKCHAIN

Big banks plan to coin new digital currency

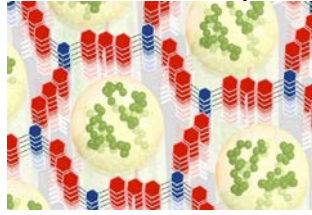


Four international Banks have joined hands and are creating a new kind of [digital currency](#) that they envision will be an industry standard to clear and settle financial trades over blockchain technology which Bitcoin is currently traded.

Source: [Financial Times](#) (24 August 2016)

ENERGY STORAGE

New electrical energy storage material shows its power

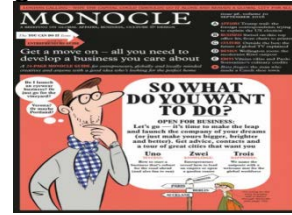


Discover a [new electrical energy storage material](#). Designed to make the charging process of electric cars more rapid. More information about this material can be found in this [ACS Article](#).

Source: [Phys.org](#) (24 August 2016)

ENTREPRENEURSHIP

The 'You can do it' entrepreneurship guide



Presenting a new entrepreneurship guide! You may access the hardcopy at SUTD library's periodicals section at Level 1, to read the article. Monocle Special Issue, September 2016. Article: The 'You can do it' entrepreneurship guide,

Source: [Monocle](#) (September 2016)

MATERIALS

A coating that blocks 90 per cent of the heat from sunlight could be used to develop smart windows



This coating can block most of the infrared rays from the sun, while allowing a large amount of visible light to pass through it. It is expected to reduce energy costs due to air-conditioning. read more about this coating in this [SCIENCE DIRECT Article](#)

Source: [Phys.org](#) (24 August 2016)

ROBOTICS

The first autonomous, entirely soft robot



Presenting the Octobot! It is the world's first autonomous, soft robot and it is 3D printed. You can also read about it in [Popular Mechanics](#) and in [Science](#). Autonomous, soft robots are expected to change the way humans interact with robots. More details in this [NATURE Article](#).

Source: [Sciencedaily](#) (24 August 2016)

WIRELESS TECHNOLOGY

MIT develops new Wi-fi that's 330% faster and twice as big as existing Tech



Here's some news that we will all get excited about! A [new wireless technology](#) was developed that runs three times faster and has twice the coverage ability of the current technology.

Source: [Inhabitat.com](#) (25 August 2016)

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