

Weekly Discovery

We SHARE to inspire and ignite ideas!

23 May 2016 – 27 May 2016

ARCHITECTURE

MVRDV Designs Reusable Pavilion for Bogotá Book Fair



Check out this Reusable Pavilion made of wood! The Reusable Pavilion is intended to address the common phenomenon of pavilions and exhibitions 'disappearing' after an event, rather than benefiting surrounding communities.

Source: [ArchDaily](#) (April 2016)

BIOMIMICRY DESIGN

A Collar to Protect the Brain



Have you ever thought about how woodpeckers or bighorn sheep are able to tolerate the repetitively high-intensive blows to the head? Researchers are now experimenting on a new collar that will provide support and protect the human head when it gets hit.

Source: [MIT Technology Review](#) (May/June 2016)

GREEN MATERIALS

Scientists invent silk food wrap that's biodegradable and could replace plastic cling film



Discover a food wrap made from silk fibroin that can preserve fruit for more than a week. It is intended to serve as a biodegradable alternative to plastic.

In addition to this article, read this [Journal Article](#).

Source: [Independent](#) (May 2016)

MATERIALS

Crafting Plastics designs plastic sunglasses that are biodegradable

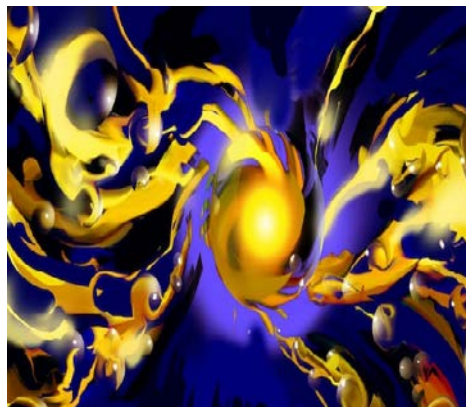


Introducing the next generation of biodegradable sunglasses! The frame of the sunglasses is made from a plant-based plastic. This design aims to reduce waste in landfills resulting from synthetic plastics.

Source: [Dezeen](#) (April 2016)

MECHANICAL ENGINEERING

Scientists build world's tiniest engine



A microscopic engine, which is the smallest engine in the world, has been developed. It is the first mini engine that can move nanobots, including medical robots that can travel through the body. Please login to Financial Times (FT) to view the [article](#). If necessary, you may sign up for an account with FT [here](#).

Source: [Financial Times](#) (May 2016)

ROBOTICS

Meet the cobots: humans and robots together on the factory floor



Collaborative robots or cobots are set to make working at production lines less taxing. They are to perform various tasks, such as helping employees to load machines and picking out device components from receptacles.

Source: [Financial Times](#) (May 2016)

SMART HOME

Hong Kong's first Eco-Smart Home offers luxurious, energy-saving living in 400-sq-ft



An interior design company recently renovated an old apartment to make it the Eco-Smart Home. The Eco-Smart home aims to maximise energy efficiency in the home. There are carefully planned windows for ventilation, a heat pump, and a solar water heater that saves energy in water heating.

Source: [Inhabitat](#) (May 2016)

VIRTUAL REALITY

Google Tilt Brush: Impossible now a reality?

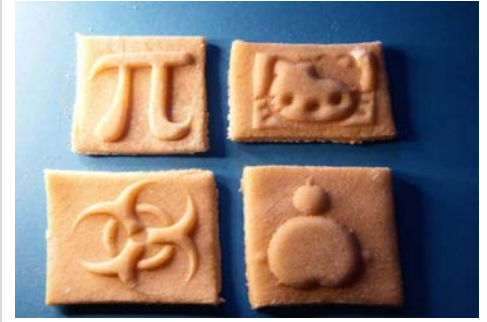


Introducing [Tilt Brush](#) by Google! This unique app will redefine painting and push the boundaries of art. With the swipe of a digital brush, users wearing a connected HTC Vive headset can paint whatever they please. They could also use practically anything as the painting medium, even fire or snow.

Source: [CNN Style](#) (May 2016)

3D PRINTING

High-Tech Vending Machines Will Dispense 3D-Printed Snacks In The Future



Fancy having a 3D-printed snack? Now you can! These healthy snacks are to be both delicious and visually pleasing to consumers. Currently, 3D food prototypes consist of starch and cellulose-based materials.

Source: [Tech Times](#) (May 2016)

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