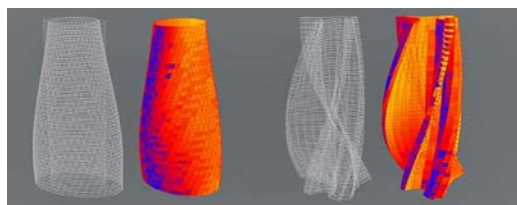


Weekly Discovery

We SHARE to inspire and ignite ideas!

6 February 2017 – 10 February 2017



SPECIAL HIGHLIGHT

PARAMETRIC DESIGN

Parametric Design uses defined parameters to generate numerous designs with the aid of algorithms. This can help with productivity as well as innovation to create multiple designs and configurations of products and architecture which would have not surfaced using traditional methods, not to mention all done in a fraction of the time needed with the power of computers.

[READ MORE>](#)

BIOMIMETIC ROBOTS

Bat Bot flies through the air on whisper-thin wings



A robot that mimics a bat. One of the possible application is to locate people trapped in a collapsed building, the other being aerial assistance for humans in particularly elderly people.

Source: [Popular Science](#) (2 February 2017)

DATA ANALYTICS

Google & H&M's Ivyrevel will make you a dress customized using your personal data



A new Google application, using the sensors in your phone, is able to use data collected on where you went, what's nearby and weather, and design a dress for you.

Source: [Techcrunch](#) (7 February 2017)

DRONES

Swarms of Disposable Drones Will Make Critical Deliveries and Then Vanish



These low-cost and disposable paper drones allow us to quickly make a large number of deliveries at once, being greatly helpful in circumstances such as after an earthquake.

Source: [IEEE Spectrum](#) (1 February 2017)

GRAPHENE

Turning Soybean Oil Into Graphene



Graphene, used in electronics and biomedical devices, can be produced using [soybean oil](#). This new technique is faster and cheaper. Read more at [Nature Communications](#).

Source: [Asian Scientist](#) (6 February 2017)

INNOVATION

CEOs' Perspectives on Growth, Innovation, and Leadership in Asia, 2016



This report provides insights into how organizations are responding to disruptive innovation. It addresses main growth objectives for organizations over the next 5 years, which strategies brought the most growth and what is the most important internal and external issues organizations face

Source: [Frost & Sullivan](#) (24 January 2017)

MACHINE LEARNING

Using Machine Learning to predict parking difficulty

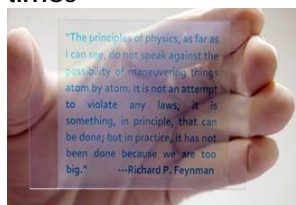


Integrating crowdsourcing with machine learning, Google released a system that can push parking difficulty information to you and assist you to evaluate which travel mode to take to your destination.

Source: [Google Research Blog](#) (3 February 2017)

MATERIALS

Researchers invent paper that can be printed with light and reused 80 times

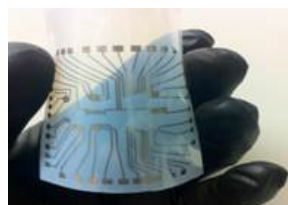


More environmentally friendly than inkjet printing! This novel material can be applied to various surfaces and function like reusable paper to be printed with light. Also check out the [ACS publication](#).

Source: [Inhabitat](#) (7 February 2017)

MEDICAL DEVICES

New Low-Cost 'Lab on a Chip' Has Potential to Detect Cancer



With the help of an inkjet printer, scientists have developed a chip that can detect life threatening ailment like cancer. This cheaper form of diagnostics could be especially beneficial to developing countries. You can read more at [PNAS](#).

Source: [Gadgets 360](#) (7 February 2017)

RADIATORS

It's no accident this NASA satellite looks like origami



Presenting a new radiator inspired by origami for satellites. It can retain or remove heat from its surface and can be easily folded. Its folding feature allows it to control the rate of heat loss.

Source: [Inverse](#) (1 February 2017)

ROBOTICS

Ten awesome robots that are changing London



From a companion for the elderly to royal navy patrols and even bartending, here are 10 robots that are currently trending in London.

Source: [Timeout](#) (6 February 2017)

VIRTUAL REALITY

Getting Started With VR Interface Design



Start designing your own VR applications! This article shares the process to designing a VR interface, the set up and the necessary tools needed. It also includes tutorials and links to other useful resources.

Source: [Smashing Magazine](#) (6 February 2017)

VISUAL TECHNOLOGY

This Kickstarter Camera Mimics Human Eyesight



TwoEyes Tech launched a kickstarter campaign to build the world first binocular 360-degree VR, 4K camera that mirrors human eye sight. Check out the videos to find out more about this technology.

Source: [ArchDaily](#) (4 February 2017)