

# Weekly Discovery

We SHARE to inspire and ignite ideas!

12 June 2017 – 16 June 2017

ARCHITECTURE

## TED Talk: Justin Davidson on the Pitfalls of Glass Skyscrapers



Our cities are slowly being engulfed by glassy skyscrapers that give out a monotonous feel unlike buildings that feature various textures and materials.

Source: [Arch Daily](#) (10 June 2017)

ARTIFICIAL INTELLIGENCE

## Are You Lying about Your Identity? Artificial Intelligence Can Tell by How You Use Your Mouse



Researchers have come up with an innovative way to identify liars using AI and the way they move their mouse with an accuracy of 90-95%.

Source: [Science](#) (9 June 2017)

AUGMENTED REALITY/VIRTUAL REALITY

## Here's Why Investors Are Pouring Cash into AR and VR Startups



It is forecasted that the market for Augmented Reality (AR) and Virtual Reality (VR) will hit \$108 billion by 2021. Read about the differences between AR and VR, and what's next for them.

Source: [Inc.](#) (9 June 2017)

BIG DATA

## Marketing Magic Meets Big Data: How to Make Technology and Creativity Work Together

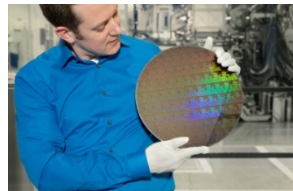


Learn to empower your marketing and customer relationships with the 'new oil' data, including boosting service quality based on the numbers, leveraging the flexibility enabled by statistics, and addressing customer needs through data-driven communications.

Source: [ZD Net](#) (6 June 2017)

ELECTRONICS

## IBM Created a Chip the Size of a Fingernail that Holds 30 Billion Transistors

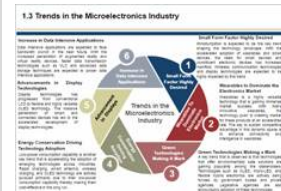


Introducing the world's first 5nm silicon chip, it is smaller than existing models, but can hold as many as 30 billion transistors and perform 40% better while consuming the same level of power, paving the way to more portable and powerful gadgets.

Source: [Futurism](#) (5 June 2017)

EMERGING TECHNOLOGIES

## Top Technologies in Microelectronics, 2017



This Frost & Sullivan report talks about emerging technologies in microelectronics such as Deep Dive Wearables, OLED lighting and Holographic Display that may have impact in the near or midterm future.

Source: [Frost & Sullivan](#) (28 April 2017)

ENTREPRENEURSHIP

## 19 Startups in Asia that Caught Our Eye

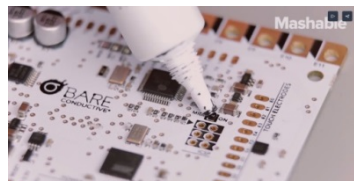


Discovery startups all across Asia that maybe the next big thing to happen. From purchasing your car through an app in Malaysia to selling your study notes in Japan!

Source: [TECH IN ASIA](#) (11 June 2017)

INNOVATION

## This Conductive Electric Paint May Be the Future of Wiring Your Home



Imagine your own favorite painting playing a melody. With this conductive viscous black paint, a wide variety of surfaces can be safely wired and create infinite possibilities at an affordable cost.

Source: [Mashable](#) (8 June 2017)

PAVILION

## Information Technology Pavilion in Moscow Features Circuit-Board-Patterned Walls

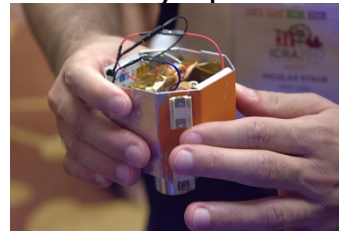


A 1,600 square-metre pavilion made of fibre glass concrete and printed in circuit board design was erected in Moscow. A unique feat marrying information technology and architecture elements.

Source: [Dezeen](#) (11 June 2017)

ROBOTICS

## A Rocket-Propelled Miniature Robot for Planetary Exploration



Researchers have developed a mini-robot which uses solid-fuel rocket to make pinpoint landings in space.

Source: [IEEE Spectrum](#) (6 June 2017)

SUSTAINABILITY

## Eco-Friendly Microbeads Are Biodegradable and Renewable

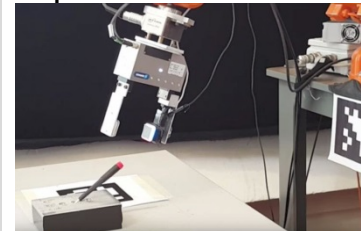


Products such as toothpaste and hair gel contain microbeads that are harmful to wildlife. Biodegradable microbeads that can mitigate the negative impacts were developed by The University of Bath. Read more at [ACS](#).

Source: [New Atlas](#) (10 April 2017)

TACTILE SENSORS

## Tactile Sensor Gives Robots New Capabilities



Robotic arm gripper's now have the ability to grip small objects more precisely via a GelSight sensor attached to it. With the data feedback to the neural networks, it also increases the sensitivity and dexterity.

Source: [Science Daily](#) (5 June 2017)