

# Weekly Discovery

We SHARE to inspire and ignite ideas!

22 May 2017 – 26 May 2017



Special Highlight

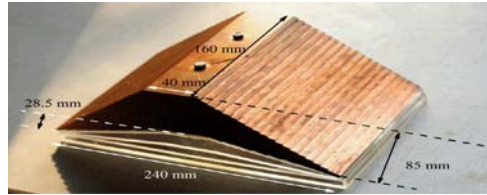
## USER INTERFACE DESIGN

User Interface Design (UI) takes into consideration user needs and ensures that interface possesses the elements that maximize the usability and enhances the user experience. The last decade had seen tremendous advancements to mobile user interface resulting in very friendly and useful apps. Besides a good graphic design and typography, the developers continue to leverage on rigorous processes such as rapid prototyping to meet the needs of the users.

[READ MORE>](#)

ACOUSTIC CLOAK

## Making Things Acoustically Invisible Underwater



A team of Chinese researchers designed an invisibility acoustic cloak that can function underwater. The cloak was able to control the underwater acoustic wave in the deep subwavelength scale. Read more at [Scientific Reports](#).

Source: [Asian Scientist](#) (18 May 2017)

ARCHITECTURE

## RIBA London Awards: 50 projects pick up regional honours

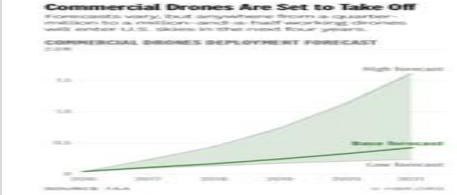


RIBA London's Building of the Year goes to a 'sublime' studio by 6a architects. Other notable architectural projects include Herzog & de Meuron's Tate Modern Switch House and New Scotland Yard.

Source: [Architects Journal](#) (22 May 2017)

DRONES APP

## Flying COWs and Other Drone Apps



Pregler, who is the head of AT&T drone program shared 3 drone apps that the company had developed and its impact on the communications industry.

Source: [Harvard Business Review](#) (May 2017)

INNOVATION

## Innovative Hongkonger designs a new toilet for sufferers of Parkinson's disease



A polytechnic student from Hong Kong came up with an elder-friendly toilet design. Read the inspiring story and contribute your own part to an aging society.

Source: [South China Morning Post](#) (24 May 2017)

MATERIALS SCIENCE

## How scientists turned a flag into a loudspeaker



A researcher at Michigan State University had developed a flexible paper-thin device that not only generates energy from human motion. It can also be a loudspeaker and microphone.

Source: [Sciencedaily](#) (16 May 2017)

POWER NETWORKS

## Power networks navigate electric car challenge



Electricity companies have to ensure that they are capable of managing the increased electricity demand by electric vehicles and are able to avoid power shortages. To mitigate this, a number of plans have been suggested.

Source: [Financial Times](#) (21 May 2017)

PRODUCT DESIGN

## This Bicycle Will Clean Polluted Air While You Pedal



Introducing a concept 'Smog Free' bicycle that filters the air while travelling down the streets. This novel design aims at bringing back bicycles to the city and further a smog-free environment.

Source: [Architectural Digest](#) (17 May 2017)

SEMICONDUCTORS

## World's Thinnest Hologram Promises 3D Images on Our Mobile Phones



Researchers have found a way to shorten the wavelength of light using emerging technologies and make it possible to show 3D images on our mobile devices.

Source: [IEEE Spectrum](#) (19 May 2017)

SINGAPORE

## Singapore's ongoing tech push: VR in schools, more fintech, and tech IPOs

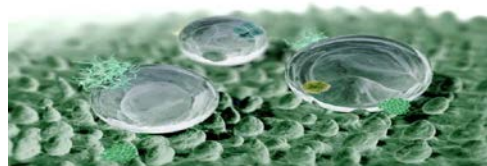


During the opening ceremony of the 2017 Infocomm Media Business Exchange, Dr. Yaacob Ibrahim shared the vision of a digital society in which technology is easily accessible and largely supports our daily lives.

Source: [Tech in Asia](#) (23 May 2017)

SMART FABRICS

## Fabrics of the Future Will Shed Like Snakes and Sanitize Your Skin

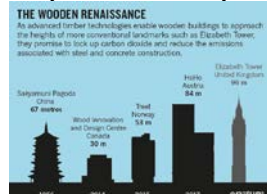


Presenting two latest smart materials, one can keep us dry with reptile-inspired outer layers and the other may save our lives by killing bacteria. Find out more about the materials at [ACS](#) and [PNAS](#).

Source: [Digital Trends](#) (19 May 2017)

WOODEN SKYSCRAPERS

## The wooden skyscrapers that could help to cool the planet

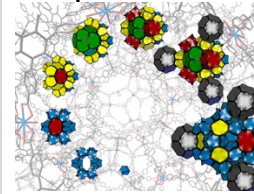


A renaissance in large timber buildings is happening and one of the advantage is its climate friendly features which stave off global warming.

Source: [Nature](#) (17 May 2017)

3D MATERIALS

## Two simple building blocks produce complex 3-D material



Scientists have discovered a modular way to build a complex structure using uranium. This discovery may create new design rules for bottom-up construction. Read more at [Science](#).

Source: [Phys.org](#) (22 May 2017)