

# Weekly Discovery

We SHARE to inspire and ignite ideas!

4 September 2017 - 8 September 2017

## ARTIFICIAL INTELLIGENCE

### Four Companies Using AI to Transform the World



Highlighting Singapore-based ADDO AI, which piloted a programme aiming at improving the crop yields of Pakistani farms through data-driven crop management recommendations. Read on to find out more.

Source: [Forbes](#) (31 August 2017)

## BIONIC LENS

### The Bionic Lens Could Push Eyesight Beyond 20-20 Vision



Using a similar medical procedure as cataract removal, this new lens implant not only gives clear vision, it also reduces eye pressure of people with glaucoma.

Source: [Futurism](#) (4 September 2017)

## BLOCKCHAIN

### Blockchain Technology Moves into Car Sharing, Mobility Services



Professional Services firm EY is developing blockchain based system to track vehicle use in car/vehicle sharing and other transactions in the automotive industry, making services safer, more efficient and convenient.

Source: [Reuters](#) (30 August 2017)

## FINTECH

### It's not Fintech that's Causing Greatest Disruption to Banking and Insurance



Cloud computing, artificial intelligence and data analytics are becoming three critical technologies to achieve competitive differentiation in financial industry. Gain more insights from this report by the [World Economic Forum](#).

Source: [CFC Innovation](#) (4 September 2017)

## GREEN CITY

### How a Pollution Eating 'Tree' Is Cleaning Cities' Air



Imagine a city free of polluted air where plants consume harmful pollutants. The CityTree project sets out to do this through urban street furniture incorporated with sensors to regulate and control, ensuring the survivability of plants.

Source: [City Today](#) (4 September 2017)

## LATEST TECHNOLOGIES

### The Coolest, Best and Strangest Tech of IFA 2017



Discover the latest and most interesting technologies featured in the Europe's biggest technology trade show-IFA 2017. Voice control, mixed reality, smart homes, and more!

Source: [CNET](#) (2 September 2017)

## MEDICAL IMAGING

### New Camera Can See Through Human Body



This high sensitive light detecting camera can penetrate 20cm of body tissues and organs, detect individual photons, record light travelling time, and give the exact location of the scope inside.

Source: [BBC News](#) (4 September 2017)

## MENTAL AGEING

### Dancing Can Reverse the Signs of Aging in the Brain



Dancing has been proved to be an effective way of curing mental illness and mental ageing as compared to playing sport and other physical activities. Read more at [Frontiers](#).

Source: [Science Daily](#) (25 August 2017)

## ROBOTS

### Lizard-Bot Spins its Coiled Tail to Move Easily Through Sand



This nature-inspired, 3D-printed robot can travel through granular media at a good speed using its rotating coiled tail. Used for exploration and search and rescue in tough environments. Read also at [APS](#).

Source: [New Scientist](#) (31 August 2017)

## SENSORS

### Leaf Sensors Can Tell Farmers When Crops Need to Be Watered



By monitoring the condition of the leaves of plants using a sensor, farmers will know when more water is needed to optimize crop health and reducing water wastage at the same time

Source: [Eureka Alert](#) (30 August 2017)

## SMART HOME

### The Octogenarians Who Love Amazon's Alexa



Elderly are using Amazon's voice assistant Alexa to improve their quality of life. Alexa helps them communicate with family, check the weather and play music amongst other activities.

Source: [MIT Technology Review](#) (1 September 2017)

## SOLAR CELL

### Insect Eyes Inspire New Solar Cell Design by Stanford Researchers



This new solar cell design can protect a fragile but promising photovoltaic material named perovskite. Possibly paving the way for heat- and humidity-resistant solar panels. Read more at [RSC](#).

Source: [Stanford News](#) (31 August 2017)

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