

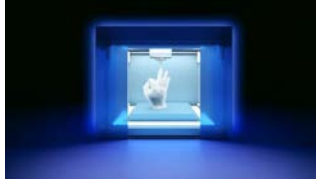
# Weekly Discovery

We SHARE to inspire and ignite ideas!

27 March 2017 – 31 March 2017

ADVANCED MANUFACTURING

## Advanced manufacturing technology is transforming the medical industry



Gain insights on how are the advanced manufacturing technologies are evolving and benefiting healthcare industry where particular requirements on precision and timeliness keep increasing.

Source: [Information Age](#) (20 March 2017)

ARCHITECTURE

## Shiver me timbers! Astounding wooden architecture – in pictures

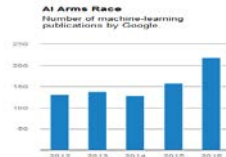


Features 10 visual wood projects from some of the world's most inspiring and intriguing architecture.

Source: [The Guardian](#) (16 March 2017)

ARTIFICIAL INTELLIGENCE

## Google's AI Explosion in One Chart



Google has been making leaps and bounds in the field of artificial intelligence. It published 218 journal or conference papers on machine learning in 2016. This is because it has recruited more machine learning researchers.

Source: [MIT Technology Review](#) (25 March 2017)

BIOPRINTING

## Wayne State University team developing 3D printing method to create customizable blood vessels



Researchers at Wayne State University team have developed 3D printing method to create customizable blood vessels. This could lead to new ways of treating coronary artery disease (CAD). Find out at [JoVE](#) a peer-reviewed scientific video journal.

Source: [Wayne State University](#) (27 March 2017)

CYBERSECURITY

## The cybersecurity industry is failing: Time to get smart about 'dumb' homes



[Security threats](#) to the smart home and suggestions on how they can be addressed. They include hacking of internet of things (IoT) printers and micro-ransomware threats that take over various devices and hold them to ransom.

Source: [Newsweek](#) (23 March 2017)

INNOVATION

## The Changing Landscape of Disruptive Technologies: Global Technology Innovation Hubs



Hear from over 800 business leaders in the tech sector on innovation development and management and industrial trends with an international perspective.

Source: [KPMG](#) (2017)

LEADERSHIP

## 10 Top CEOs on What's Changing About the World of Work



Read the opinions of 10 top CEOs on what changes are going to take place in the work place. They include increased transparency, the growth of millennials in the workforce and flexible work arrangements.

Source: [Fortune.com](#) (27 March 2017)

PHOTOVOLTAIC MATERIALS

## Solar-powered skin for prosthetic limbs



An energy-autonomous skin for prosthetic hands made with super-material graphene and photo-voltaic cells demonstrates much more sensitivity to pressure than current ones. Read more from [Wiley](#).

Source: [BBC News](#) (23 March 2017)

SENSORS

## Mind your teeth! Robotic fruit packed with sensors could mean you never buy rotten produce again



Discover a sensor in the form of a robotic fruit that detects if there are rotten fruit. It can provide accurate information as to which fruits have decayed. This helps people avoid buying rotten fruit.

Source: [Dailymail](#) (23 March 2017)

TECHNICAL START-UPS

## The 52 startups that launched at Y Combinator W17 Demo Day 1



Presenting notable start-up companies. They include AON3D which designs 3D printers for industrial use, Pantheon which helps people design their own virtual reality games and Vinsight which forecasts crop yields.

Source: [Techcrunch](#) (20 March 2017)

WATER TREATMENT

## Purifying Water With The Power Of The Sun

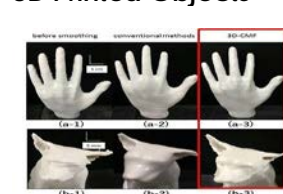


Now water can be purified with solar energy. This is made possible through the use of modified titanium dioxide as a photocatalyst that works with sunlight. It can completely decompose organic pollutants in wastewater in just 20 minutes. Read more at [Advanced Materials](#).

Source: [Asian Scientist](#) (27 March 2017)

3D PRINTING

## Smoothing Out The Rough Edges Of 3D Printed Objects



Currently, the edges of 3D printed products are smoothed using polishing or grinding. Presenting a 3D chemical melting finishing (3D-CMF), a smoothing process with lower cost, less complexity and elimination of troublesome waste dust. Read more at [Scientific Reports](#).

Source: [Asian Scientist](#) (22 March 2017)

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