

Weekly Discovery

We SHARE to inspire and ignite ideas!

3 April 2017 – 7 April 2017

ARCHITECTURE

Tower made completely from fabric breaks new ground in “soft architecture”



Introducing a novel way of combining bent GFRP (glass fiber reinforced polymer) rods and customised CNC (computer numerical control) knit to fabricate a lightweight and flexible structure.

Source: [Inhabitat](#) (27 March 2017)

AUTOMATION

Automation Makes Things Cheaper, So Why Doesn't It Feel That Way?



While automation is supposed to make our lives more efficient, it is a difficult to achieve equilibrium between a tradition economy and an autonomous economy. One concern is the declining value of human work as people compete with the high tech robots.

Source: [Harvard Business Review](#) (3 April 2017)

BLOCKCHAIN

Blockchain Technology Revolutionizing Automotive Industry

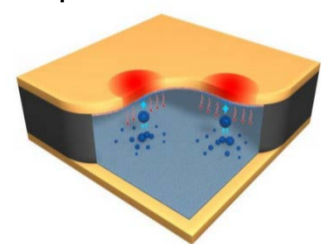


A research analysis on various implications and growth potential that blockchain technology has on the global automotive industry. The areas spans across supply chain logistics, smart manufacturing, IoT and retailing and leasing.

Source: [Frost & Sullivan](#) (31 March 2017)

COOLING TECHNOLOGY

Jumping droplets whisk away hotspots in electronics



Read about a new technology for [cooling](#) hotspots for electronic devices. It uses a vapour chamber made of a super-hydrophobic floor with a sponge-like ceiling to cool the hotspots. It can be used for both random and moving hotspots locations. Find out more at [Applied Physics Letters](#).

Source: [Sciencedaily](#) (3 April 2017)

DEEP LEARNING

Nvidia's Deep-Learning Chips May Give Medicine a Shot in the Arm

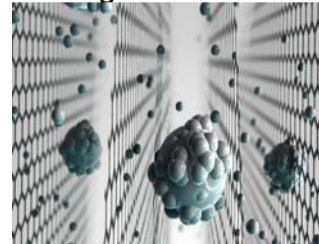


Deep learning is used to process medical images and analyse large amounts of medical data. Nvidia has designed specialized deep learning products, such as graphics processors and the DGX-1. Thus opening a new chapter in modern medicine.

Source: [MIT Technology Review](#) (28 March 2017)

DESALINATION

Graphene sieve turns seawater into drinking water



Read about graphene's utility for [desalination](#). A graphene-oxide membrane gets immersed in water and the size of its pores can be precisely controlled to sift out common salts from seawater to make it potable. Find out more at [Nature Nanotechnology](#).

Source: [Phys.org](#) (3 April 2017)

DRONES

6 industries drones will disrupt in 2017



Gaming, arts and logistics, to name a few, are among the areas in which we can expect drones to play big roles this year.

Source: [Venturebeat](#) (2 April 2017)

GADGETS

Car Genie: New AA device predicts car breakdowns before they happen



A device is plugged into a car's on-board diagnostics (OBDII) port where it reads the vehicle's EOBD (European On-Board Diagnostics) system in real-time. This information is then broadcasted to the Car Genie app to alert the user to take the necessary action before experiencing a flat battery.

Source: [Independent](#) (26 March 2017)

GLOBAL HEALTHCARE

2017 Global health care sector outlook: Making progress against persistent challenges



Details of trends affecting the global health care sector in 2017 along with suggested considerations for stakeholders. Key trends include increased healthcare spending from 2.4 percent to 7.5 percent between 2015 and 2020, enhanced healthcare delivery systems and increasing innovation in the medical sector.

Source: [Deloitte](#) (2017)

PAVILION

Pavilion party: the architects packing a big punch with small structures



Presenting the best architectural pavilions worldwide. Among them are 'The Beacon' in Canada, 'The Pod' in the UK and 'The Mirrored Sight' in China.

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

SOLAR ENERGY STORAGE

American fern inspires groundbreaking new solar storage solution



Inspired by the fractal patterns of fern, this graphene electrode could achieve nano-level solar energy storage with 3000% improvement on storage capacity. The breakthrough points way to more flexible and thinner devices for solar capture and storage. Read more at [Nature](#).

Source: [Inhabitat](#) (3 April 2017)

TECHNOLOGY

The 20 Most Successful Technology Failures of All Time



Presenting the top 20 failed products that can still teach us something about technology and its desired use. Among them are TiVo, Virtual Boy, Google Glass and MySpace.

Source: [Time Magazine](#) (3 April 2017)