

Weekly Discovery

We SHARE to inspire and ignite ideas!

10 July 2017 – 14 July 2017

ARTIFICIAL INTELLIGENCE

AI: A Digital Swiss Army Knife



The use of AI is spreading across various industries spanning healthcare to financial. The potential applications are limitless.

Source: [Asian Scientist](#) (11 July 2017)

COMPUTER NUMERICAL CONTROL

IKEA's SPACE10 Lab Reimagines Craftsmanship Through Digital Techniques



Three architects look into how digital tools and Computer Numerical Control (CNC) machines can be used to replicate traditional methods of wood work.

Source: [Arch Daily](#) (9 July 2017)

DESIGN

ÉCAL Students Design Dedicated Farming, Napping and Gym Office Cubicles



Come and discover various cubical designs that bring various activities into the office environment like farming, exercise and many others.

Source: [Dezeen](#) (9 July 2017)

ELECTRIC VEHICLE

The World Is on the Brink of an Electric Car Revolution



An overview of the current increasing efforts around the world in electric car production and development. Also read the Bloomberg New Energy Finance's latest electric car [report](#) for more insights.

Source: [Live Science](#) (6 July 2017)

FUTURE CITIES

Norman Foster Stresses the Importance of Interdisciplinary Architecture in Creating Future Cities



Watch this interview with Norman Foster who gives his views on the importance of involving specialist from different professions to design the cities of the future that can address environmental issues amongst others.

Source: [Arch Daily](#) (8 July 2017)

INTERNET OF THINGS

IoT in the USA: 3,000 Companies, \$125B in Funding, \$613B in Valuation, 342,000 Employees



[ReadWrite](#), an IoT publisher and accelerator, released a high resolution infographics and an [ebook](#) that showcases the IoT scene in the U.S. and Canada.

Source: [Forbes](#) (10 July 2017)

MANUFACTURING

Economy, Finance and Trade Vietnam: Asia Pacific's Next Manufacturing Hub



Vietnam has increasing manufacturing, foreign investment and growing exports. Find out the story of the region's next manufacturing hub from the SWOT analysis featured in the report.

Source: [Euromonitor](#) (10 July 2017)

MATERIALS

New Ceramic Plane Coating Could Be Used in Hypersonic Flight



Scientists have developed a new ceramic material which can handle heat 12 times better than what is currently available. This material can be used on hypersonic aircraft.

Source: [Popular Mechanics](#) (10 July 2017)

MEDICAL DEVICES

Algorithm Spots Abnormal Heart Rhythms with Doctor-Like Accuracy



An [algorithm](#) that can diagnose 14 types of arrhythmia and detect abnormal heart rhythms even when no symptom shows. Watch the [video](#) and learn more about this computer vision technique.

Source: [Engadget](#) (9 July 2017)

QUANTUM TELEPORTATION

Photon Teleported Between Earth and Space for the First Time



A record-breaking achievement on the 'teleportation' of quantum information between the ground station and satellite in the space.

Source: [Extreme Tech](#) (10 July 2017)

SKILLS

7 Critical Skills for the Jobs of the Future



Education expert Tony Wagner has identified seven must have skills of the future, these are Critical Thinking and Problem Solving; Collaboration Across Networks and Leading by Influence; Agility and Adaptability; Initiative and Entrepreneurship; Effective Oral and Written Communication; Assessing and Analyzing Information; and Curiosity and Imagination.

Source: [Singularity Hub](#) (4 July 2017)

STRUCTURES

9 Weird and Wonderful Architectural "Ducks"



Fancy visiting unique buildings around the world? There are a "duck" building in the U.S, a large kindergarten that looks like cat in Germany, and a tea museum in China that is literally a teapot.

Source: [Arch Daily](#) (8 July 2017)