

# Weekly Discovery

We SHARE to inspire and ignite ideas!

9 January 2017 – 13 January 2017

ELECTRONICS

## Process And Store Memory In A Single Chip



This ground breaking approach of enabling memory chip to fulfil computing tasks is hopefully setting the stage for faster and smaller future devices. Also read the [Nature paper](#).

Source: [Asian Scientist](#) (9 January 2017)

ENTREPRENEURSHIP

## The Countries With the Most Determined Entrepreneurs(Infographic)



You may be surprised to know that the U.S. is not the best and one of the most difficult to start a business. Botswana, Malta and Timor-Leste have the most determined entrepreneurs. Check out which countries have the most new start-ups in 2016 in relations to the difficulties encountered in launching a business.

Source: [Entrepreneur](#) (8 January 2017)

FAÇADE DESIGN

## This is the best performing all-glass facade system in SOM's history



The innovative Closed Cavity Facade (CCF) system can adapt itself to the changing climate conditions outside while optimizing indoor environment and occupant comfort, and reducing the Carbon footprint of the building.

Source: [The Architects Newspaper](#) (6 January 2017)

GAMING

## This app uses a game to fight depression



Two recent studies showed that participants who have depression and played the game-based app (5 times each week for 20 minutes) known as Project: Evo was able to combat depression.

Source: [Futurity](#) (9 January 2017)

HEALTHCARE

## The Road Ahead for Deep Learning in Healthcare

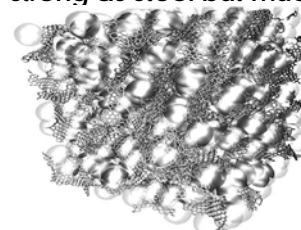


Albeit a slower adoption of Deep Learning in healthcare, its application set for medical imaging, sensor-driven analysis, translational bioinformatics and public health policy development will be poised for growth. You can read more at [IEEEXplore](#).

Source: [The Next Platform](#) (9 January 2017)

MATERIALS

## Porous, 3-D forms of graphene developed at MIT can be 10 times as strong as steel but much lighter



Researchers have designed a strong low-density graphene based material that is 10 times stronger than steel. It can be employed for applications that call for a combination of extreme strength and light weight. Read more at [Science Advances](#).

Source: [Phys.org](#) (6 January 2017)

PERCEPTIONS OF ROBOTS

## At CES 2017, you have to ask: What makes a robot a robot?

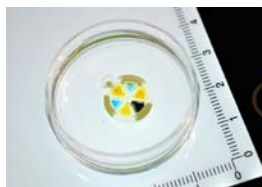


Katie Collins visits exhibitors at the Consumer Electronics Show 2017 to discover the latest robots and how they are different from the traditional perception of a figure with a body, arms, legs and a face. Learn about the latest modern robots available for your home!

Source: [CNET](#) (10 January 2017)

ROBOTICS

## These tiny soft robots could deliver drugs from under your skin



Discover a tiny [biobot](#) which can be subdermally implanted for drug delivery purposes. It is made out of hydrogel and it does not consist of batteries or wires. More details on the biobot can be found at [Science Robotics](#).

Source: [The Verge](#) (5 January 2017)

SEMICONDUCTORS

## A transistor that can be stretched to twice its length with minimal loss of conductivity



Discover a transistor which can retain its conductivity, even when [stretched](#). Its stretch ability could prove very useful in the design of wearable electronic devices. Read more about it at [Science](#).

Source: [Phys.org](#) (6 January 2017)

STEM

## Why STEM Majors Need the Humanities



For STEM (Science, Technology, Engineering and Math) talents, it is usually overlooked that background knowledge in the humanities and the ability to tell a story can benefit their professions greatly.

Source: [The Chronicle of Higher Education](#) (6 January 2017)

TRENDS IN RISK

## 2017 The future of risk



How are organizations' responses to risk changing? And How are the consequences of risk for organizations changing? Find out 10 trends that can change the risk landscape for companies globally.

Source: [Deloitte](#) (2017)

TREND PREDICTIONS

## Retail tech predictions 2017



Techworld (IDG) predicts that retailers are jumping on the technology bandwagon ranging from chatbots in the form of virtual assistants, Social Network apps and IOT to up their ante in 2017.

Source: [Techworld](#) (5 January 2017)

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