

Weekly Discovery

We SHARE to inspire and ignite ideas!

5 December 2016 – 9 December 2016

ARTIFICIAL INTELLIGENCE

Artificial intelligence and the evolution of the fractal economy

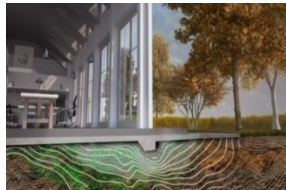


Innovation and application of artificial intelligence (AI) is massively seen in the financial services field. How AI is shaping the financial industry and economy? What will be trending in such areas in the next decade? Find the answers in the [article](#).

Source: [TechCrunch](#) (4 December 2016)

BIOENGINEERING

Future buildings could grow their own foundations



A new generation of buildings could be built by using a type of living bacteria which is able to react to changes in the surrounding and strengthen the ground as a result. It is environment friendly and efficient with little energy input

Source: [GMA News Online](#) (6 December 2016)

COMPANIES

More Than 100 Chinese Firms on Global Fortune 500, but Not Alibaba



Over 100 Chinese companies were on the Fortune [Global 500](#) this year. They include China State Grid, China National Petroleum Corporation and Sinopec Group in second, third and fourth place respectively. However, in terms of innovation firms, the Chinese are not leading yet.
Source: [The Wall Street Journal](#) (21 July 2016)

EMPLOYMENT TRENDS

Robert Half Top Ten Technology Jobs In 2017: Data Scientists, Big Data Expertise In High Demand



The [report](#) by Robert Half provides touches on technology positions in demand as well as leading industries driving high-tech job growth. According to the findings, technology roles within the healthcare industry are expected to be one of the highest demand occupational groups from 2014 to 2024.
Source: [Forbes](#) (3 December 2016)

GREEN CITIES

5G technologies will power a greener future for cities



This [article](#) features the potential of 5G technologies in harnessing scarce natural resources such as water availability, air quality, and energy efficiency. This will pave the way for cities to address the issues of the environment and sustainability.

Source: [Brookings](#) (30 November 2016)

MARKETING STRATEGY

How to perfect your market entry strategy

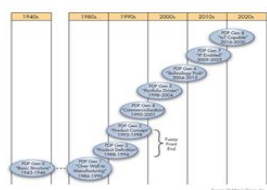


Want to make formidable entrance into the market? The 5 key pointers (Exports, Licensing, Joint Venture, M&A and Greenfield Investment) from Euromonitor tells you how to ace your market entry strategy

Source: [Euromonitor International](#) (5 December 2016)

PRODUCT DEVELOPMENT

Design Thinking for IoT in the Product Development Process



Design Thinking will provide an instrumental edge in product development process for the IoT. This is important for companies that design "IoT-ready" products and those who are beginning to do so.
Source: [Machine Design](#) (1 December 2016)

ROBOTICS

7 YouTube channels to learn robotic engineering and programming



Looking for online tutorials on robotics? Here are 7 recommended YouTube Channels to learn about building a robot and the programming, engineering and electronic techniques in robotics.

Source: [Hongkiat](#) (2016)

SENSORS

The Amazon Go store will replace checkout lines with advanced sensors



Through the use of smart sensors, cameras and an Amazon application, Amazon Go store is paving the way for a seamless shopping experience. Curious, read through the full [patent](#).

Source: [Popular Science](#) (6 December 2016)

STATISTICS

New method to improve predictions



Researchers have developed a new technique for prediction of variables in big data, called influence score. The technique was found to enhance the prediction rate significantly and could accurately predict outcomes in health care, politics and other fields. Read more about influence score at [PNAS](#)
Source: [Phys.org](#) (30 November 2016)

TOP PRODUCTS

Record products 2016



This year's competition by Architecture Record saw a new category - Hardware, Software & Control Systems in response to the increasing trend of IoT incorporated products. See the [winners](#).

Source: [Architectural Record](#) (1 December 2016)

URBAN DEVELOPMENT

6 Cities That Have Transformed Their Highways Into Urban Parks



These 6 urban parks showcases how the cities have rejuvenated spaces that were once for traffic into urban parks that facilitate new public spaces. These include Cheonggyecheon, Seoul; Madrid Río, Madrid; Harbor Drive, Portland; Pier Freeway, San Francisco and Alaskan Way, Seattle.
Source: [ArchDaily](#) (1 December 2016)

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