

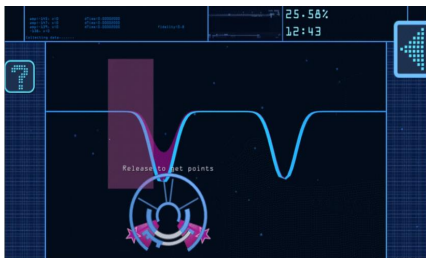
Weekly Discovery

We SHARE to inspire and ignite ideas!

25 April 2016 – 29 April 2016

ARTIFICIAL INTELLIGENCE

Human mind excels at quantum physics computer game



A computer game known as Quantum Moves is based on a quantum computing problem. It is the issue of at what speed a laser transports an atom between wells in an egg box-like structure, while ensuring that the atom's energy remains unchanged. In this game, an atom is represented by a liquid in a well. In one level, players move a cursor to control another well, to take the sloshing liquid back to a base. Once the liquid is correctly transferred, a computer can then convert their mouse movements to solutions to the real-world quantum egg box. In a study, 300 people played this level 12,000 times. From this study, the researchers discovered that the human brain is much faster and far more efficient than computer algorithms.

Source: [Nature](#) (April 2016)

HEALTH TECHNOLOGY

Lens into the future



Find out more about the current challenges faced by the US healthcare system. Healthcare systems CEOs in the US were interviewed. They mentioned that they currently face certain challenges that include the lack of resources to invest in value-based care and the need for more innovative hospital staff.

Source: [Deloitte](#) (2016)

INTERNET OF THINGS

Done right, the IoT means better, faster decisions



Discover the importance of the Internet of Things (IoT) in making better, faster decisions for companies. You will be able to find out about application of IoT in decisions making, the continuous improvement in manufacturing, the relevance of intelligence and information in waste removal, and the decline of technology cost.

Source: [Industrial Engineer](#) (April 2016)

MATERIALS

Aniela Hoitink creates dress from mushroom mycelium



Dutch textile designer Aniela Hoitink made a dress out of mushroom mycelium. The dress can be built three-dimensionally and shaped in various ways during the dressmaking process. It can thus truly be customized for the wearer. Also, potential leftovers during the dressmaking process can be eliminated.

Source: [Dezeen](#) (April 2016)

SMART DESIGN

How to turn a clunker into a smart car



Have you ever wondered how you can transform your car into a smart car? Introducing Voyomotive that has apps and accessories to enable drivers to transform their cars into smart connected cars. Apps can capture the data cars generate to help understand driving habits, performance and maintenance of cars. The Voyomotive controller plugs in under the dashboard and connects through Bluetooth with a smartphone app that sends data to the cloud.

Source: [CNBC](#) (April 2016)

VIRTUAL REALITY

Astrojumper: Motivating Exercise with an Immersive Virtual Reality Exergame



Introducing Astrojumper, an immersive virtual reality game. It was developed to motivate players to engage in physical exercise. This [article](#) shows you that Astrojumper effectively motivates both children and adults to exercise through immersive virtual reality technology and a simple, yet engaging, game design.

Source: [MIT Press Journals](#) (April 2011)

