

# Weekly Discovery

We SHARE to inspire and ignite ideas!

8 August 2016 – 12 August 2016

AUGMENTED REALITY

## Beyond "Pokémon Go": Future Games Could Interact with Real Objects



A new imaging technique called [Interactive Dynamic Video](#), may mean that in the near future, imaginary characters will actively interact with a gamer's actual surroundings.

Source: [Scientific American](#) (9 August 2016)

BIONIC TECHNOLOGIES

## Welcome to the Cyborg Olympics



Introducing the [Cybathlon](#), a global competition for disabled athletes equipped with bionic assistive devices. Check out the stories behind on how technologies turn the disabled into faster, higher, and stronger cyborgs.

Source: [Nature](#) (3 August 2016)

DRONES

## Wal-Mart tests inventory drones

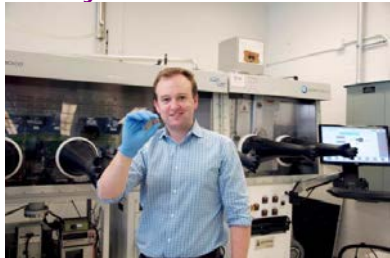


Wal-Mart has tested drone technology at its distribution centre in Arkansas. The drones convey real-time data to employees about product inventory.

Source: [Industrial Engineer](#) (1 August 2016)

GREEN POWER

## Chemists create vitamin-driven battery

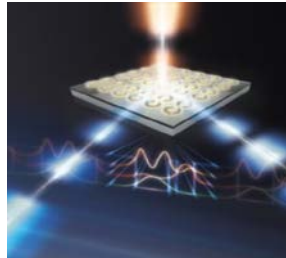


This environmentally friendly battery stores power extracted from vitamin B2 in the cathode. It is the first green batteries using bio-derived polymers for electrode, cost efficient and displays high performance.

Source: [Sciencedaily](#) (3 August 2016)

OPTICS

## Getting light in shape with metamaterials



Sandia National Laboratories have recently designed a new system that couples light into and out of semiconductor quantum wells. This new system was found to be of high efficiency. Also read this [NATURE Article](#)

Source: [Sciencedaily](#) (3 August 2016)

PHOTOVOLTAIC TECHNOLOGY

## We Can Now Print Solar Panels

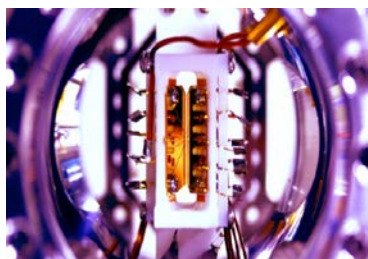


Researchers have recently developed photovoltaic ink that will absorb sunlight and turn it into electricity. Find out more about this technology in this [Journal Article](#) at SUTD library.

Source: [Vocativ.com](#) (3 August 2016)

QUANTUM COMPUTING

## Researchers Debut Programmable Quantum Computer

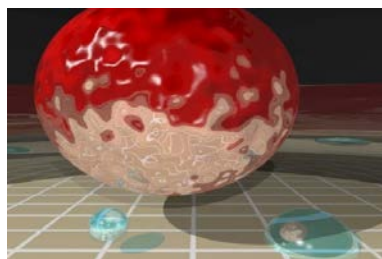


A group of researchers from the University of Maryland have developed a first [reprogrammable quantum computer](#) ever. The ability to reprogram the device is through the use of atomic ions. In Addition read this [Nature Article](#).

Source: [Fortune](#) (7 August 2016)

QUANTUM PHYSICS

## Scientists discover light could exist in a previously unknown form



Scientists from Imperial College (London) have recently suggested in their research that there could be a possibility that a [new form of light](#) can be created by binding light to a single electron. Also read this [Nature Article](#).

Source: [Sciencedaily](#) (5 August 2016)

ROBOTICS

## Interactive robot befriends hospital's youngest patients to soothe away their anxiety



Source: [rxrobots.com](#)

[MEDI](#) is a robot designed to relieve anxiety of patients in hospital. It is equipped with sophisticated technologies, including facial recognition software and is now proving to be a big success.

Source: [Phys.org](#) (4 August 2016)

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