

# Weekly Discovery

We SHARE to inspire and ignite ideas!

24 July 2017 – 28 July 2017

## 3D PRINTING

### 3D-Printed Tools Will Soon Brave the Vacuum of Space



The U.S. company, Made In Space, leverages on a new type of plastic known as PEI/PC to fabricate niche tools and parts in space, so as to relieve astronauts from carrying items into orbit.

Source: [Popular Mechanics](#) (24 July 2017)

## ANTI-DRONE

### World's 1st Laser Weapon Is Ready to Blast Rogue Drones



Laser weapons are no longer a fantasy. This laser travels at the speed of light and can pinpoint sites to damage on planes, ships and any surface which can reduce casualties during combat.

Source: [Live Science](#) (18 July 2017)

## ARCHITECTURE

### Incredible Architecture of the Future

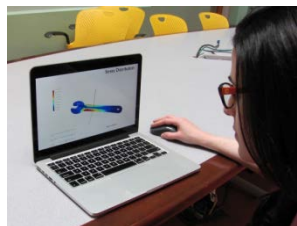


A gallery of 21 amazing architectures, shortlisted for the 2017 World Architecture festival award. The buildings include cultural centres, retail venues, transport hubs and public spaces.

Source: [The Telegraph](#) (20 July 2017)

## COMPUTER-AIDED DESIGN

### Reshaping Computer-Aided Design



Introducing InstantCAD, a CAD plug-in that can save you days or weeks for design optimization through real time, interactive graphic editing. In addition, read more about the [technique](#).

Source: [MIT](#) (24 July 2017)

## FOLDING ROBOTS

### No Battery, No Wire, No Problem



Origami inspired mini-robots have huge potential in medical applications. These mini-bots are battery-free and can communicate wirelessly.

Source: [Harvard](#) (19 July 2017)

## GREEN BUILDING

### Global Smart Windows Market, Forecast to 2021



This Frost and Sullivan report provides an in-depth and holistic analysis on the future smart windows market in terms of growth opportunity and competitive landscape.

Source: [Frost & Sullivan](#) (21 July 2017)

## PREFABRICATION

### Ten Fold Designs Revolutionary Structure that Self-Deploys in Minutes



This portable and customizable self-deploying structure only takes 8 minutes to transform into a habitable space, which can be used as residence or community facilities.

Source: [Arch Daily](#) (24 July 2017)

## PRODUCT DEVELOPMENT

### 3 Simple Product Development Lessons All Entrepreneurs Should Remember

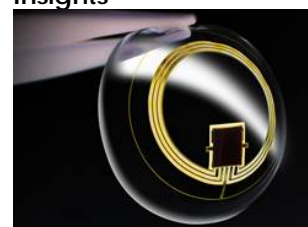


An entrepreneur talks about [product development](#) and sheds light on business operations, minimum viable product and user experience. Also learn from [Grab](#) about product development.

Source: [Entrepreneur](#) (24 July 2017)

## SMART LENS

### Smart Contact Lenses and Eye Implants Will Give Doctors Medical Insights



A smart contact lens with a microsensor that can measure glucose levels and eye pressure. This could be a life-changing technology for diabetics and glaucoma patients.

Source: [IEEE Spectrum](#) (25 July 2017)

## TOPOLOGY OF MATERIALS

### The Strange Topology that Is Reshaping Physics

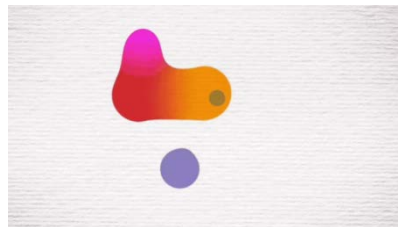


Physicists are exploring the use of material topology to enhance the performance of quantum computer chips and other technologies affected by particles.

Source: [Nature](#) (19 July 2017)

## VIRTUAL PALETTE

### Adobe Just Built the Prettiest UI Ever



[Playful Palette](#) allows you to create infinite new colors on a fluent interface, which will be automatically saved when you work on the virtual canvas. Also read more about the technology at [ACM](#).

Source: [Fast Company](#) (21 July 2017)

## WEARABLES

### Wearable Sensors Give Skin Space to Breathe



A breathable wearable which can stay on skin for days without causing any discomfort. Opening up the possibilities of developing wearables for long-term health monitoring. Read more at [Nature](#).

Source: [IEEE Spectrum](#) (20 July 2017)