

Weekly Discovery

We SHARE to inspire and ignite ideas!

4 January 2016 – 8 January 2016

INNOVATION

Top 100 Global Innovators



Discover which organizations around the world are shaping the future, improving processes and technologies, and generating commercial returns in this annual showcase by Thomson Reuters! What does it take to run a Top 100 company? [Read interview excerpts](#) from today's top innovators about how they foster an innovative spirit and inspire creativity while driving revenue. Find out if your favourite organization(s) made to the list!

Source: [Fast Company](#) (January 2016)

DIGITAL MANUFACTURING

Education in 3-D

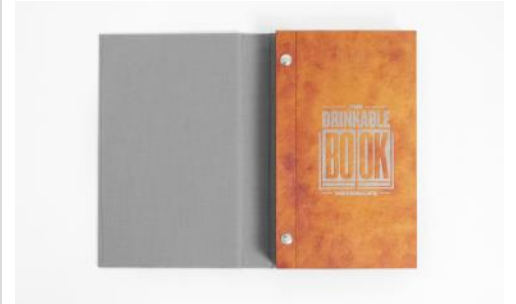


A university is changing its curriculum and introducing advanced manufacturing equipment such as three-dimensional printers and processes to incorporate process improvements, rapid design changes, customization, and cost-effective, low-volume production, enabling both product and process innovation. Check out how this has given the students an edge over the others.

Source: [Industrial Engineer: IE](#) (January 2016)

ENTREPRENEURSHIP

'Drinkable Book' – quenching the thirst for water purification solution

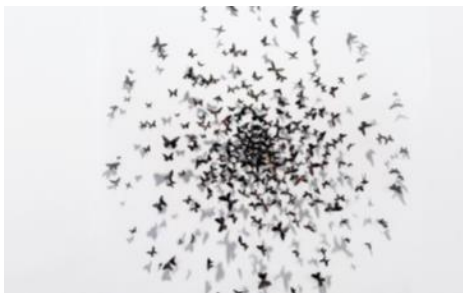


Now it is possible to educate about drinking clean water and use the same item to produce clean drinking water! The "Drinkable Book" has its contents imprinted with edible ink for water safety education, and each page can be used as a filter to purify and sanitize water for drinking purposes. A very interesting and meaningful invention, don't you think so?

Source: [pAge Drinking Paper](#)

PRODUCTIVITY

Collaborative Overload



Collaboration is one of the core values in SUTD. Learn how to manage collaboration overload at work. Organizations have to continuously assess the supply and demand for collaboration and redistribute assignments more evenly among employees to help people work together more efficiently, as suggested in this article.

Source: [Harvard Business Review](#) (January 2016)

SCIENCE

The Brain's Whorl

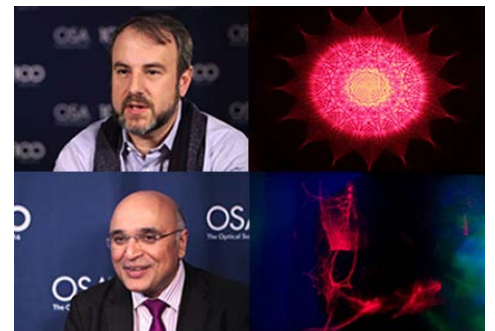


You would have heard of thumbprints, fingerprints, footprints, but heard of "brainprints"? Using brain activity study, a scanning technique was developed that can identify unique 'brainprints' in a similar way to fingerprints. A potential future use of this technology can be used to identify those at risk for certain diseases, such as schizophrenia.

Source: [Scientific American](#) (January 2016)

ENGINEERING/SCIENCE

OSA Stories



The Optical Society is celebrating its centennial anniversary of its establishment! A professional society of optical engineers and scientists devoted to advancing the fields of optics and photonics, OSA has featured reflections from its members on why they joined the field, their work and what drives them to be in the field as part of its celebrations. They might inspire you too!

Source: [The Optical Society](#)