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# Mid August 2016

## Welcome to the Mid-August 2016 Edition of What's Emerging

In the next few weeks Paul will working with the Epworth Private Hospital Group on Research strategies, working with Leadership Victoria on their Community Health Workshop Program, presenting to a local government conference in Queensland, working with the Australian Veterinary Board Council and the Veterinary Schools on the future of veterinary education and regulation, and mentoring a Young Social Pioneer for the Foundation for Young Australians and the Lord Mayors Charitable Fund.

If any of those approaches interest you then please contact us at info@emergentfutures.com

We hope that you continue to find then newsletter interesting.

**Cheers,**

**Paul Higgins, Sandy Teagle, Ranjitha and Samantha Kyle-Little**

| SECTIONS |
| --- |
| What we are writing about |
| Business Tips |
| What's Emerging |

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## What are we writing about?

Paul provided the opening Keynote for the Lambex 2016 Conference at Lambex to just under 1000 delegates. You can see the presentation by going to our home page and looking under latest downloads. You can also see some of the coverage at: Futurist urges Lambex sheepmeat producers to not give data away and Lambex delegates told customer focus is key for industry.

## Business Tips

### Microsoft launches Researcher and Editor in Word, Zoom in PowerPoint

One new feature in Word, called Editor, is particularly notable because it will help users improve their writing by suggesting changes, just like a human editor. The feature picks up on issues like wordiness, non-inclusive language, differences in tone, lack of consistency in hyphenation and other areas, jargon, slang, passive voice, clichés, and use of the double negative. *Read More…*

↑ Top of the page

## How to Gather 100,000 Emails in One Week (Includes Successful Templates, Code, Everything You Need)

While this is a little overhyped it contains some useful stuff *Read More…*

# 🟨   In case you missed it: Most popular links from the Last Edition

## Microsoft has made the easiest camera app you can get

# 🟨   What's Emerging

### Study: top bank execs saw the crash coming and sold off shares in their own institutions

In a new working paper from the Center for Economic Policy Research, scholars look at the trading records of shareholders, directors and top executives of major financial institutions in the runup to the crash of 2007 *Read More…*

### Super-hard metal 'four times tougher than titanium'

A super-hard metal has been made in the laboratory by melting together titanium and gold.

*Read More…*

### How facial recognition works (and how to hack your own in Python)

You could not ask for a clearer, easier-to-read, more informative guide to facial recognition and machine learning thank Adam Geitgey's article, which is the latest in a series of equally clear explainers on machine learning, aimed at non-technical people — and if you are a programmer, he's got links to Python sample source and projects you can use to develop your own versions. *Read More…*

### Brexit blamed for fall in crowdfunding deals

Bruce Davis, spokesman for the UK Crowdfunding Association (UKCFA), the trade body of crowdfunding platforms, said the dip in deals offered was just "a pause". *Read More…*

### Big rigs can be hijacked and driven with software-based attacks

In a two-month-long class assignment, researchers from the University of Michigan found vulnerabilities in J1939, the standard for networking in big rigs and other large industrial vehicles, that allowed them to control the acceleration, braking, and instrument panels of their target vehicles. *Read More…*

### Engineers Create The First Dust-Sized Wireless Sensors That Can Be Implanted Into The Human Body

Engineers at the University of California, Berkeley have created the very first dust-sized wireless sensors that may be implanted within the body. This is bringing technology closer to the day that technologies such as the Fitbit will be able to monitor internal nerves, muscles and organs all in real time. *Read More…*

### When Climate Adaptation Plans Hurt the Urban Poor

Hurricane Katrina was rushed into New Orleans by winds traveling 127 mph—a major Category 3 storm. The flooding it caused may well have been worsened by climate change's rising sea levels. *Read More…*

### Spoofing GPS is surprisingly easy; detecting it is surprisingly hard

GPS security is increasingly implicated in both physical and information security: from steering a super-yacht (or a super-tanker) into pirate-friendly waters to diverting self-driving cars or even unlocking geo-tagged tokens and AR game objectives. *Read More…*

## A free/open computer on a card that you swap in and out of a 3D printed laptop

Lou Cabron writes, "Finally, after five years of work, Rhombus Tech has gone from a free/libre/open source "spec" to their first actual modular devices! The video is amazing.

*Read More…*

## US police use machine learning to curb their own violence

None of their colleagues may have noticed, but a computer has. By churning through the police's own staff records, it has caught signs that an officer is at high risk of initiating an "adverse event" – racial profiling or, worse, an unwarranted shooting. *Read More…*

## Artificial Leaf: New Solar Cell Uses Carbon Dioxide And Sunlight To Produce Hydrocarbon Fuel

Researchers have developed a new type of solar cell that is capable of transforming carbon dioxide into usable hydrocarbon fuel using only sunlight as energy. *Read More…*

## This NASA EXTREME Invention Will Revolutionize Space Exploration -Space Documentary

Low Density Supersonic Decelerator - The NASA's Invention That Could Change the Face of Space Exploration *Read More…*

## INTERNET: China Regulator Putting Brakes on Uber-Didi Mega Marriage?

Bottom line: China's anti-trust regulator's assertion that the Didi-Uber China mega-merger will require its approval could mark the beginning of a new, tougher stance towards the nation's rapidly consolidating Internet sector. *Read More…*

## GSK and Alphabet's Verily create $715M joint venture in bioelectronics

GlaxoSmithKline ($GSK) has announced a major new joint venture with Verily--once Google Life Sciences--as the two join forces with the hope of creating the first generation of bioelectronic medicines for chronic diseases. *Read More…*

## A win for 'proper people'? Brexit as a rejection of the networked world

The referendum result, David Runciman suggests, was won by those who feel excluded from modern, highly networked forms of economy and society. *Read More…*