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## Mid-August 2017

### Welcome to the Mid August 2017 Edition of What's Emerging

Paul is continuing to write his book on the future of driverless cars with Dr Chris Rice. They have reached 130 pages and now are preparing some detailed modelling likely technology adoption timeframes for connected, autonomous, electric cars. Paul is also preparing for the opening keynote for the Techspo conference in Western Australia, working with a health provider on future strategy, and preparing for a future of tourism leadership program. We are also in the middle of preparations with a European company to bring a new software based foresight tool to Australia with several demos to customers in the next fortnight.. The system is still in Beta and will be trialled with some clients before a wider release. If you are interested in registering for a webinar look at the tool in late August/early September please email us at [info@emergentfutures.com](mailto:info@emergentfutures.com).

We hope that you continue to find the newsletter interesting.

Cheers,

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

### What are we writing about?

Paul's has written a new bog post: Sell Your Panel Beating Business Now. Go to [www.futuristpaul.com](http://www.futuristpaul.com) to read it.

### Business Tips

The Man Who Wrote Those Password Rules Has a New Tip: N3v\$r M1^d!

Bill Burr's 2003 report recommended using numbers, obscure characters and capital letters and updating regularly—he regrets the error. Here are the new recommendations. [Read More...](#)

FluidDATA

Search for spoken phrases in millions of podcasts instantly. [Read More...](#)

Taking Your AutoCorrect Entries With You

Is it possible to transfer these settings to another computer running Word? Yes it is.

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

### [The Best Ways to Set Goals and \(Actually\) Get Results From Them](#)

## ■ What's Emerging

### The future of work is the low-wage health care job

The poor taking care of the poor are driving the new economy. To survive the challenges of automation taking jobs you either have to be a low wage earner, have high social and empathy skills or high cognitive (design, innovation, technological skills. This story is part of the possible ranges of outcomes we might see. [Read More...](#)

### Announcing the world's first brain-computer interface for virtual reality

Today Neurable is offering a first look at a product that is without precedent in modern tech: a brain-computer interface for virtual reality. A long way for this technology to become mainstream but a glance into the future. [Read More...](#)

### Deadly heat waves could hit South Asia this century

Without action, climate change could devastate a region home to one-fifth of humanity, study finds. One of the many examples of the risks of climate change. [Read More...](#)

### Diagnosing Skin Cancer With Google Images

Man vs. Machine examines the ways in which technology promises to simplify our lives—or, for some of us, threatens to upend them. AI is getting better and better at medical diagnosis in all sorts of fields. Medical professionals with AI assistants is the way of the future. [Read More...](#)

### Australian trapdoor spider may be a seafaring castaway from Africa

Trapdoor spiders are reluctant travellers, but millions of years ago one species appears to have made an epic journey from Africa across the vast Indian Ocean to call Australia home. Opening our eyes to possibilities of history. [Read More...](#)

### They'll never see this tiny camera hidden in a screw

These tiny screw cameras are about \$20 on Amazon (or \$15 on eBay), with versions that plug into CCTV systems, composite inputs, and USB ports. There's also the bare camera, minus the fake screwhead. A real concern for surveillance and intrusion. [Read More...](#)

### Bitcoin Mobile SIM Card Top-Ups Now Available in 136 Countries

Bitcoin remittance service Sobit has been launched to enable users to charge their prepaid mobile SIM cards using bitcoin. The service supports over 600 operators in 136 countries. Spreading the cryptocurrency into more and more easily usable forms. [Read More...](#)

### The End of Typing: The Next Billion Mobile Users Will Rely on Video and Voice

The internet's global expansion is entering a new phase, and it looks decidedly unlike the last one. Not sure sure on this one. Voice can be very useful but has its limitations for more complex tasks. [Read More...](#)

### India's Government Wants to Ban Self-Driving Cars to Save Jobs

"We won't allow driverless cars in India," said India's minister of transport, Nitin Gadkari. "I am very clear on this. We won't allow any technology that takes away jobs. In a country where you have unemployment, you can't have a technology that ends up taking people's jobs." Not sure how long they can hold that line if adoption of driverless cars reduces road deaths significantly. [Read More...](#)

### Nanoparticles trick body into accepting organ transplants

Using nanoparticles, Yale researchers have developed a drug-delivery system that could reduce organ transplant complications by hiding the donated tissue from the recipient's immune system.

[Read More...](#)

## Pumped hydro opportunities in Australia in the thousands, researchers say

Mountains along Australia's eastern seaboard are brimming with opportunities for the construction of pumped hydro systems that could help secure the country's energy future, according to a survey conducted by the Australian National University (ANU).

[Read More...](#)

## Augmented reality graffiti will lead to advertising ambush wars

Imagine looking up at the sky and seeing every cloud crammed full of adverts. High above a fast food restaurant, a competitor has scrawled its own cheeky pitch, urging shoppers to eat their burgers instead. We are heading towards advertising overload. [Read More...](#)

## China's solar boom to continue through 2020 as install targets revised

China's National Energy Administration (NEA) has released new guidance on solar installation targets as part of the current 13th Five-Year-Plan (2016-2020), after recent record first-half year install figures put doubt on whether the solar boom would continue as the original targets would be met two years ahead of expectations. [Read More...](#)

## After trying to build self-driving tractors for more than 20 years, John Deere has learned a hard truth about autonomy

When building its first autonomous navigation system in the 1990s, John Deere just wanted to build a tractor that could drive down a field and make a turn on its own. This points to the difficulties of driverless technologies. [Read More...](#)

## Responding To A Drone Swarm With Lasers

Drones may be small – some weighing less than five pounds – but they can cause devastating results if they are armed with weapons, and when there are 10...20...100... in close proximity. Drone swarms can be remotely operated from miles away, fly autonomously, or they may accompany ground vehicles and other aircraft that attempt to harm our troops.

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