



Published by Emergent Futures Pty Ltd

## Mid September 2016

### Welcome to the mid-September 2016 Edition of What's Emerging

In the next few weeks Paul will be finalising his work with the Epworth Private Hospital Group on Research strategies, working with the Australian Veterinary Board Council and the Veterinary Schools on the future of veterinary education and regulation, mentoring a Young Social Pioneer for the Foundation for Young Australians and the Lord Mayors Charitable Fund, and travelling to the USA to attend the [Business Innovation Factory Summit](#) and the [Gigaom Change Conference](#) ( AI, Virtual Reality, Robotics, Nanotechnology, Cybersecurity, 3D Printing, Human Machine Interfaces), presenting to the KNOX Leadership Program and teaching on foresight at Swinburne University.

If any of those approaches interest you then please contact us at [info@emergentfutures.com](mailto:info@emergentfutures.com)

We hope that you continue to find then newsletter interesting.

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

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### What are we writing about?

Paul presented to the Queensland Local Government Managers Association on Trend Conversations for Foresight and Strategy on September 7th 2016.

You can see the presentation by going to our [Home Page](#) and Looking under Latest Downloads.

### Business Tips

As Paul is travelling in the USA at the moment we have no business tips for this edition

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

[Want a Better Pitch? Watch This](#)

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## ■ What's Emerging

### Edible Rings On Six-Packs Feed Marine Life If They End Up In The Ocean

A craft beer company has brewed up a brilliant idea. [Read More...](#)

### Lowe's introduces autonomous service robots to retail stores

Robots are increasingly common in warehouses and stores. Now Lowe's will start rolling out autonomous retail service robots that can help manage inventory and show customers where to find products.

[Read More...](#)

### 'Bed of nails' surface material tears apart bacteria, leaves animal cells intact

A team of international researchers have built a bed of nails — but it isn't your typical torture device. The black silicon material is covered in nanoscopic spikes designed to rip apart bacteria while leaving animal cells intact. [Read More...](#)

### Are Tote Bags Really Good for the Environment?

For at least a few decades, Americans have been drilled in the superiority of tote bags. Reusable bags are good, we're told, because they're friendly for the environment. [Read More...](#)

### Zika Could Hit 2 Billion in Africa, Asia

More than two billion people are at risk of contracting the Zika virus in Africa and Asia, according to a report from the British medical journal The Lancet. [Read More...](#)

### Faroe Islands fit cameras to sheep to create Google Street View

Living across 18 tiny sub-polar islands in the north Atlantic, Faroe islanders are used to working in difficult conditions. [Read More...](#)

### Chinese Search Giant Baidu Open Sources Its Deep Learning Software

Deep learning is a burgeoning field in artificial intelligence. The algorithms are leading to huge advancements in natural language processing, computer vision and translation. [Read More...](#)

### LIDAR on a chip should be 1000 times cheaper and scan 1000 times faster to revolutionize self-driving cars, drones, and robots

DARPA and MIT are leading an effort to take what are now bulky expensive Light Imaging, Detection, And Ranging (LIDAR) systems and make them small enough to fit on a microchip.

[Read More...](#)

### How mobile data visualization helped reduce malaria cases by 93% — Zika could be next

There are 36,000 families (and rising) who can thank mobile data visualization for helping to save their lives, and it all started with a provocative yet simple proposal.

[Read More...](#)

### Flying robot taxi to start trials in Las Vegas

The Ehang 184 "autonomous aerial vehicle" can transport one passenger and their bag for up to 23 minutes [Read More...](#)

The Fed's own uncertainty about the economy's underpinnings is more than a decade in the making and traces back to three key developments that have thrown officials for a loop.

A Wall Street Journal series examining the causes and consequences of 2016's political upheaval [Read More...](#)

### Injectable Nanowires Monitor Mouse Brains for Months

The mouse, which was free to roam across its environment, is shown with a voltage amplifier attached near its head. A flexible serial peripheral interface cable was used to transmit the amplified signals to the researchers' data acquisition systems. [Read More...](#)

## 2. Smartphone ownership rates skyrocket in many emerging economies, but digital divide remains

In just the past two years, there has been a vast increase in the share of people in many emerging nations surveyed who report owning a smartphone. [Read More...](#)

## How a Japanese cucumber farmer is using deep learning and TensorFlow

It's not hyperbole to say that use cases for machine learning and deep learning are only limited by our imaginations. [Read More...](#)

## World's oldest known fossils found in Greenland push evidence for life back by 220 million years

The oldest fossils known to date have been discovered in 3.7 billion-year-old rocks in Greenland by an Australian-led team of researchers. [Read More...](#)

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