

# EMERGENT FUTURES



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## What's Emerging Mid May 2018

### Welcome to the Mid-May 2018 Edition of What's Emerging

As well as continuing with the book writing on driverless cars, in the next couple of months Paul is presenting four further presentations on technology in agriculture, presenting a keynote to the Communities in Control Conference, and two presentations on digital disruption in the housing market. Paul will be also be giving the closing keynote to the Jetstar Engineering Leadership Team Conference. Paul will also working with Melbourne City Council on their planning scheme. In June Paul will be presenting two keynotes to NAB Corporate Health customers. In July and August Paul will be presenting with NAB Chief Economist Alan Oster in a major capital city road show with the National Bank on the Future of Health. Paul is also continuing his involvement in venture philanthropy with SVP Melbourne's latest investment in the [ICAN Network](#). If you are interested in any of these subjects then 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 has written a detailed post on what the future of shopping and advertising might look like. Spoiler alert: Shops might be the new advertising. You can see that at <https://medium.com/@futuristpaul>

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### Business Tips

The best mobile gadgets, tech accessories for frequent fliers

Paul: I went and bought the Philips adaptor kit and the Newwanga travel adaptor and the Bagsmart cable organiser after reading this. I already have two sets of Bose noise cancelling earphones (the big ones and the smaller ear bud ones). I was tempted by the thought of the jacket with the built in neck pillow as well. [Read More...](#)

The Tarot cards of tech

An interesting set of cards for challenging your thinking, and not just for tech companies

[Read More...](#)

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## Zoom

Paul : we have swapped over from using Skype to using Zoom. The ICAN network that I am supporting via Social Venture Partners ran a very impressive group video chat meeting process with it. Now I am hooked. [Read More...](#)

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

[Delivery apps opening 'dark kitchens' to create meals exclusively for online orders market](#)

## ■ What's Emerging

IBM introduces a blockchain to verify the jewelry supply chain

High value applications are always the way in for a new technology (think robots, 3d printing, etc). The provenance of high value jewellery seems an obvious possibility. [Read More...](#)

The robotic 3D knitting machine helping keep Australian fashion design onshore and sustainable

A tiny backyard shed in the regional Victorian town of Mount Macedon has become an unlikely home for the very latest robotic Japanese knitting technology. [Read More...](#)

15 Patents That Changed the World

The drone. The iPhone. Bluetooth. GPS. Before they changed the world, these technologies were schematics on paper. Here is where the future began. [Read More...](#)

CRISPR-Cas9 Improved 10,000-Fold by Synthetic Nucleotides

Scientists at the University of Alberta in Canada have developed a technology that can dramatically improve the specificity of CRISPR-Cas9 gene editing. [Read More...](#)

Study reveals how bacteria communicate in groups to avoid antibiotics

In a new study published in the Journal of Biological Chemistry (JBC), researchers from the University of Notre Dame and the University of Illinois at Urbana-Champaign have found that the bacterium *Pseudomonas aeruginosa* communicates distress signals within a group of bacteria in response to certain antibiotics. [Read More...](#)

Alibaba pilots blockchain supply chain initiative down under

Blackmores and Fonterra have joined the pilot that will see products shipped to China from Australia and New Zealand in first trial of Alibaba's blockchain-based Food Trust Framework.

[Read More...](#)

How automation will make dangerous oil rigs safer for workers

Offshore oil rigs can be extremely dangerous places to work. Over the last few decades, several offshore explosions have led to environmental disasters and the death of workers.

[Read More...](#)

Robots with soft hands will transform the world. Here's why.

Labor-starved markets are waiting for a new class of technology that brings dexterity and nimbleness to industrial robots [Read More...](#)

'World of Warcraft' Currency Is Now Worth 7 Times as Much as Venezuela's Cash

Venezuela's real world currency—the bolivar—long ago fell below the value of the fake gold in Azeroth, the mythical setting of World of Warcraft (WoW). [Read More...](#)

## Android P leverages DeepMind for new Adaptive Battery feature

No surprise here, Android P was the highlight of today's Google I/O keynote. The new version of the company's mobile operating system still doesn't have a name (at least not as of this writing), but the company's already highlighted a number of key new features, including, notable, Adaptive Battery. [Read More...](#)

## Uber Plans to Test Food Delivery by Drone

Uber Technologies Inc. plans to deliver food by drone in San Diego as part of a wide-reaching commercial test program approved by the federal government on Wednesday, said Dara Khosrowshahi, the chief executive officer. [Read More...](#)

## Asia's Ride-Hailing App Battle

Slew of new ventures are trying to take a piece of Grab's market dominance. [Read More...](#)

## Google open sources Seurat, a tool for reducing mobile VR complexity

Today is the day Google makes good on a lot of its 2017 I/O VR promises. The company just announced that it will be open sourcing Seurat, a tool designed to reduce complexity in high-fidelity mobile VR scenes, improving performance considerably. [Read More...](#)

## New sensors monitor brain activity and blood flow deeper in the brain with high sensitivity and high speed

MIT neuroscientists have developed a new magnetic resonance imaging (MRI) sensor that allows them to monitor neural activity deep within the brain by tracking calcium ions.

[Read More...](#)

## UK report urges action to combat AI bias

The need for diverse development teams and truly representational data-sets to avoid biases being baked into AI algorithms is one of the core recommendations in a lengthy Lords committee report looking into the economic, ethical and social implications of artificial intelligence, and published today by the upper House of the UK parliament. [Read More...](#)

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