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THE BIG REVEAL

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Introduction

Welcome to the 17th edition of my independent innovation newsletter, The Big Reveal. You can also watch or listen on YouTube [HERE](#).

On 5th Feb. join me at the [XR Summit](#) at ISE in Amsterdam. I've produced the event and will be delivering the final keynote on the future of the New Realities. For a ticket code, email me [here](#).

In London I'm now running the Inition [Demo Studio](#), an inspiring venue where you can get hands-on with the latest new technologies. Let me know if you'd like to come visit!

On the 23rd Feb. I'm excited to be speaking on a panel at [Immerse\(d\)](#) looking at the intersection of music, health, and technology.

Thanks!

Amelia

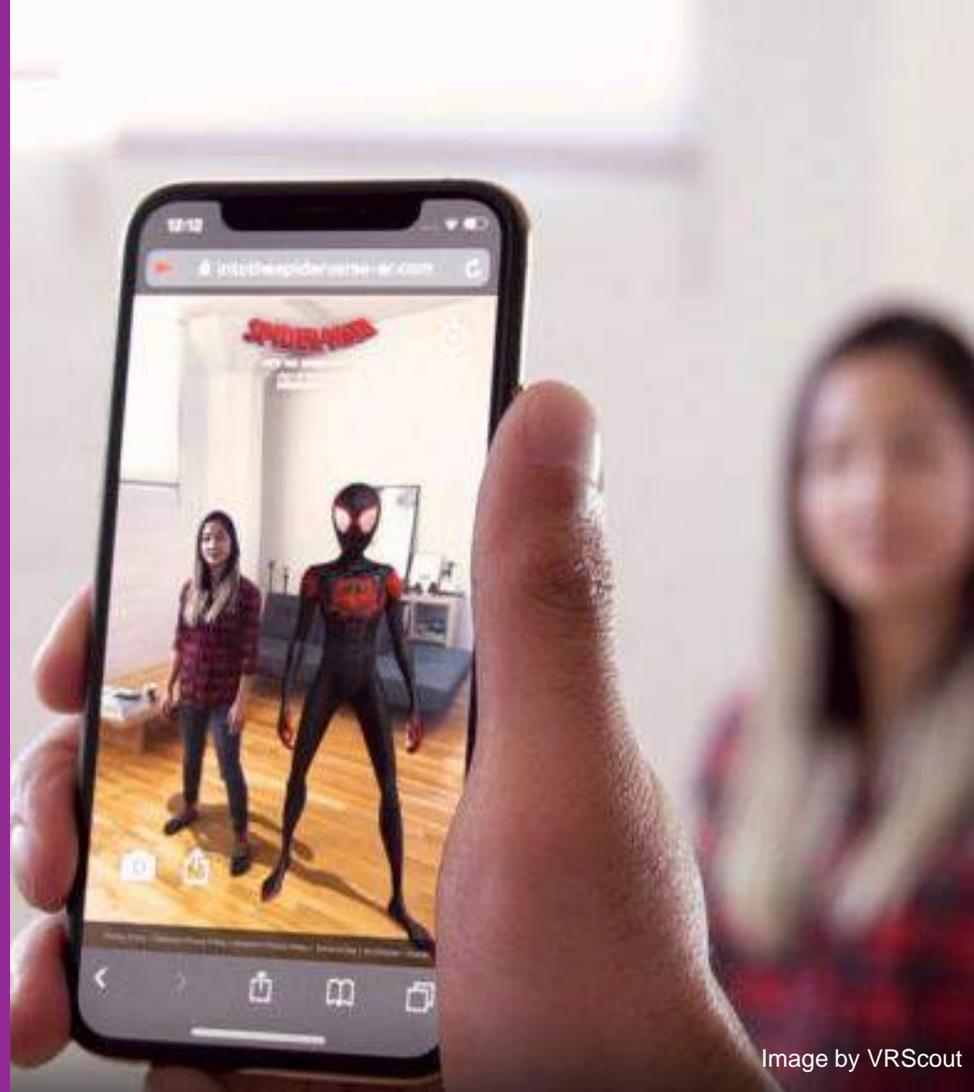
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Photo by Andrew Leo

01 Spider- Verse AR

The Spider-Man franchise is capitalising on one of the biggest coming trends of 2019: WebAR. WebAR doesn't require an app or a marker to experience AR, only a website accessed through a mobile or tablet, making it easily accessible and immediately interactive to everyone. Promoting the animated feature, *Spiderman: Into the Spider-Verse*, this new way to engage fans allows you to interact with Spiderman in your natural environment, take pictures, and share them online. Try it at intothespiderverse-ar.com. [Article.](#)



02 Elevate

Hyundai have unveiled their latest experiment slash publicity stunt: Elevate, a car that walks. The vehicle can do everything a car does, except when it reaches terrain unsuitable for regular wheels it gets up, walks, and even climbs. The car concept is geared toward aiding emergency responders in tough-to-reach areas, such as after a natural disaster. While they demonstrated a miniature model at CES, they have not released a time table for production.

[Article.](#)



Image by Hyundai

03 HTC Vive Pro Eye

HTC continue to set new standards of quality in VR with the debut of their new eye-tracking headset, the HTC Vive Pro Eye at CES 2019. This technology replicates the way in which actual human sight works, with a focused part of vision as well as a slightly blurred peripheral making the VR experience appear more real. It also means lower processing power is needed around the edges, and more can be used on the point of focus. Current release is set for Q2 2019.

[Article.](#)



Image by Slashgear

04

AI + BCI

Neuroscientists are teaching computers how to read words straight from people's brainwaves. In three recent papers researchers found they were able to use deep-learning and artificial neural networks to convert neural recordings into intelligible audio. These studies show that soon people who've lost the ability to speak may be able to use a brain computer interface (BCI) to speak through artificial-speech devices hooked up directly to the brain.

[Article.](#)



05 Contactless Cup

Powered by Barclaycard's bPay technology, Costa Coffee has launched a reusable contactless coffee cup. What I like most about this innovation is that the cup can be used anywhere that accepts contactless payments, from the grocery store to the tube stations, making the cup a practical accessory and potentially turning avid coffee drinkers into walking billboards. Made from recycled cups, they hope this innovation will ultimately reduce single-use cups and be more environmentally friendly.

[Article.](#)



06

Bot Care

Samsung's Bot Care robot will offer at-home medical support and health care assistance for elderly or disabled users. Avoiding stairs, it will move around the home, monitor prescriptions, heart rate and sleep cycles, be able to call for help, as well as offer music therapy and lead you through stretches and yoga. This is 1 of 3 robots and an exoskeleton introduced by Samsung at CES, but there are no details as to when they'll be available or how much they will cost.

[Article.](#)



07

LG OLED R

LG Signature OLED TV R is the first commercially-ready roll-up 65-inch screen TV that means it can appear and disappear at the touch of a button. With the screen fully or partially lowered, the LG OLED R can be used as a Bluetooth speaker and features a Dolby Atmos-enabled sound system. While prices haven't been revealed yet, predictions are falling between the range of \$15K-\$50K.

[Website.](#)



08

Obsbot Tail

China's Remo Technology has launched a new videocam, Obsbot Tail, that uses AI to keep moving subjects in the shot and in focus at all times. 'The world's first auto-director AI camera' uses advanced algorithms to enable it to track, record and capture movement in up to 4K/60fps videos in complex environments. With more than 20 AI driven camera functions and gesture interaction capabilities, the Obsbot Tail allows anyone to be their own actor, director, and cameraperson. Now live on Kickstarter.

[Kickstarter.](#)



09

Japan 2020

Japan's largest bank Mitsubishi UFJ Financial Group (MUFG) has teamed up with American internet company Akamai to build a blockchain-based consumer payment network in time for next year's Olympics. The world's largest experiment in using blockchain-based networks for payments, plans to be the fastest and most powerful consumer payment network yet. They claim tests have been able to handle more than a million transactions per second, with each transaction confirmed in two seconds or less, and predict it could eventually achieve 10 million transactions per second.

[Article.](#)



10 De Dag VR

After the success of the Flemish TV series 'De Dag' (The Day) Telenet has launched a VR group experience based on the show in collaboration with the series makers. A step forward in Location Based Entertainment (LBE), 3-6 players experience free-roaming VR enacting a cat-and-mouse game between police and hostage takers alongside the characters in the show. Currently offered at two locations, tickets are approximately €35 per person for a 1-hour session.

[Website.](#)



Thank you

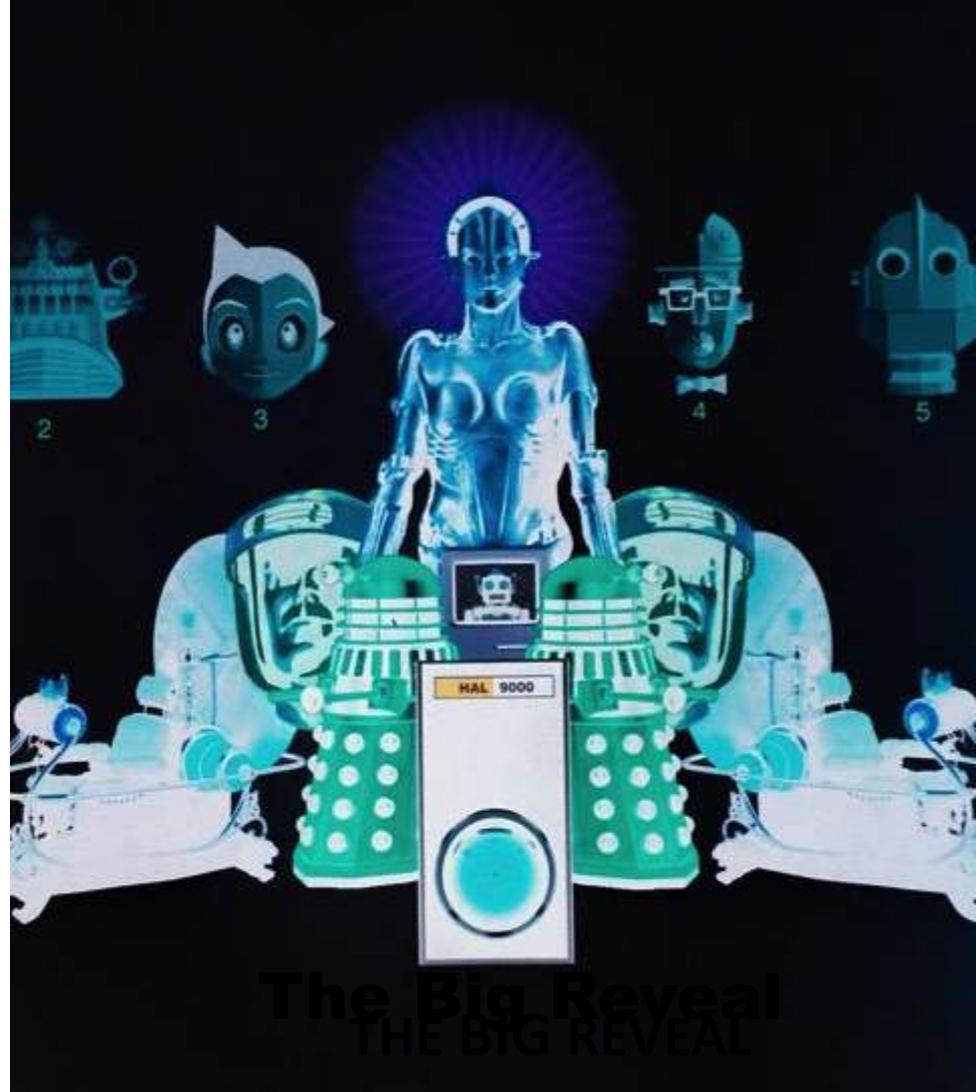
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