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### [TCS Innovation Forum; AI, cyborgs and other stuff!](#)

We spent a fascinating day with **TCS** at their Innovation Forum 2017 in London yesterday, which was all about 'Being Digital' and the need for enterprises to be 'smarter, faster and lighter'. We were genuinely left with some amazing, and quite frankly scary possibilities of what the future in Tech holds.

The two stand-out sessions for sheer hair-raising value, were by Prof Kevin Warwick from Coventry University, who discussed cyborgs with brains (yes, really), and Sophie Heckford, former director at WIRED, who painted a very real future of AI in our everyday lives.

Warwick was quoted as being the 'world's first cyborg' back in 2002, when he had the very first microchip implanted in his head. He's since persuaded his wife and three students, all in the name of science, to further the experiments into the impact of AI and robots on the human body. This includes some ground-breaking research to counteract the effects of Parkinson Disease tremors, working with the John Radcliffe Hospital in Oxford.

Warwick is now trialling a procedure to implant electrodes into the brain of people with Parkinsons, and use AI to help determine and respond to tremors ahead of time. The treatment is clearly controversial, but has already proven extremely effective at treating symptoms of the disease.

Heckford gave us a glimpse into where we are heading in terms of autonomous cars, drones, real-time analytics using satellite cameras, and virtual reality. Heckford gets access to some out-of-the-box thinkers and developers, to see where we are really heading with all of this new technology.

Heckford showed us the **SmidgION** mobile phone genomics tag from [Oxford Nanopore Technologies](#), which uses nanopore sensing technology for the 'internet of living things', and can test for metagenomics samples in real time. This could be used in hospitals for infection control or field-based analysis across many industries. We also heard about **Microsoft's** new 3D Holoportation research (see [here](#)), which appears to bring Star Wars-like holographic projection into the room, something which makes Skype look very twenty-first century.

There was a huge amount more on the application of artificial intelligence on business, today and in the future, from the various TCS execs.

Posted by [John O'Brien](#) Research Director, BusinessProcessViews

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