
How to Build a Truth Engine



Prof. Peter Cochrane OBE

BSc, MSc, PhD, DSc, CGIA, FEng, FRSA, FIEE, FIEEE, FITP

Cochrane Associates Co-Founder

Sentient Systems University of Suffolk UK

ABSTRACT

The world has always 'rotated on a tissue of lies' that constituted a small distortion of the general field of truths, with the minority perpetrators of falsehoods in politics, science, law, and commerce generally exposed and rapidly corrected. However, social media, the global erosion and corruption of politics and banking has rapidly distorted this status quo. World leaders now espouse grossly distorted facts and figures to their own ends resulting in dangerous distortions of public opinion and the rise of rumour and uncertainty.

What we know for sure is that this can only end badly, and it falls to science as the lone bastion of truth and accuracy to furnish a solution:

"If the technology of Social Media can amplify and distribute lies and untruths, then the application of computer science and engineering can rapidly detect and correct these distortions"

All we have to do is construct a viable Truth Engine - but that involves the application of NLP, timeline series analysis, deep tracking, big and small data with a dynamic tracking of The Truth! So far we have achieved highly promising results for text but have yet to integrate Deep Fake detection for voice and video.

BIOGRAPHY

As CTO @ BT Peter created a 1000 strong R&D team engaged in optical fibre, wireless, fixed/mobile nets, security, complex systems, AI, AL, VR, AR, Econometrics and human/machine behaviours.

Since leaving BT (2000) he has been employed in defence, logistics, travel, retail, energy, healthcare, transport and pharma, and as an advisor to governments and numerous companies. He also engaged in creating >25 new companies with eBookers and Shazam Entertainment the most notable.

Peter was the UK's first Prof for the Public Understanding of Science & Technology @ Bristol in 1998; received the Queen's Award for Innovation/Export in 1990; many Honorary Doctorates; an OBE (1999). He recently became Prof of Sentient Systems at the University of Suffolk and visiting Prof to Hertfordshire, Nottingham Trent and Salford.

