

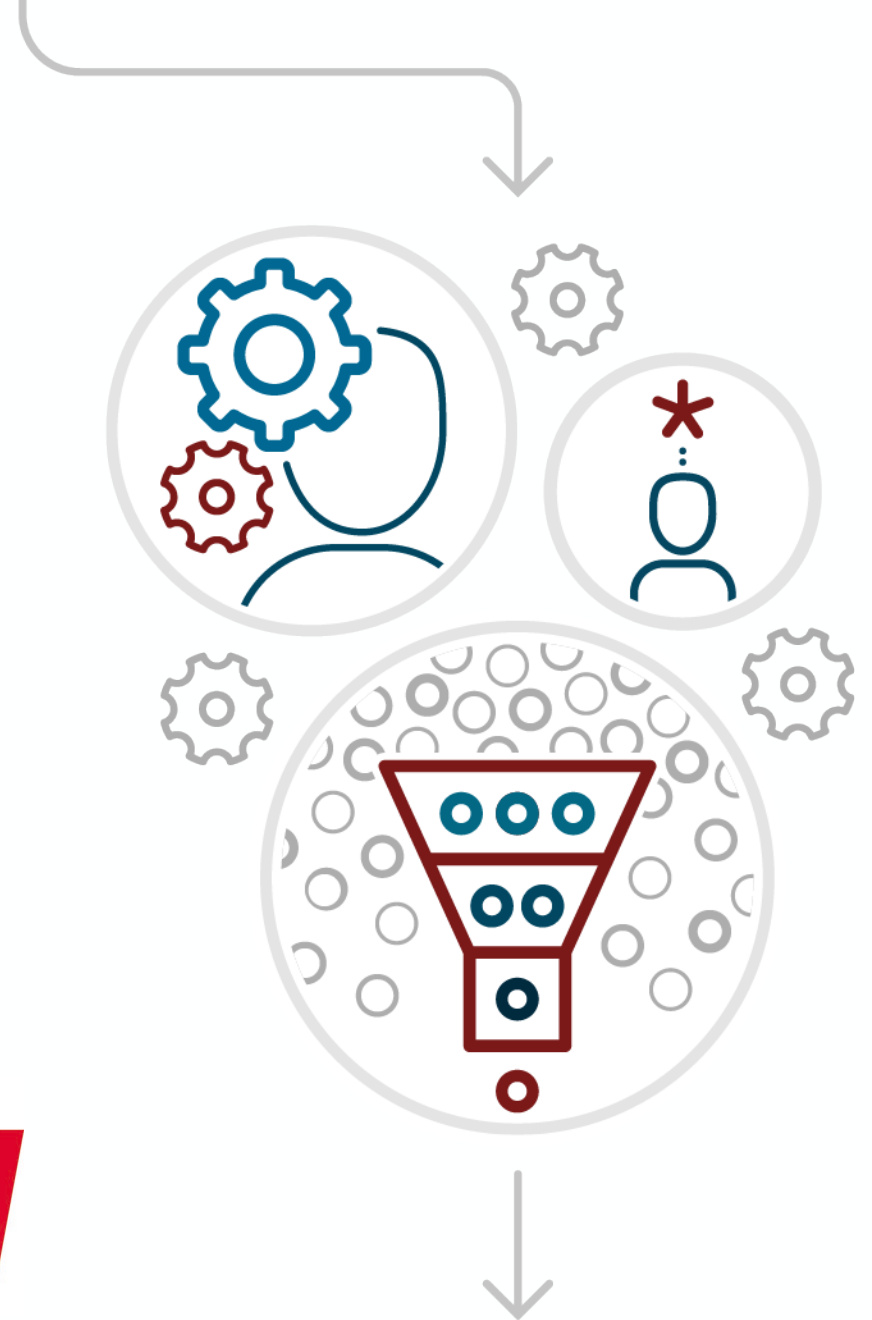


So, what's next?

Bryan Glick
Editor in chief, Computer Weekly

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ComputerWeekly



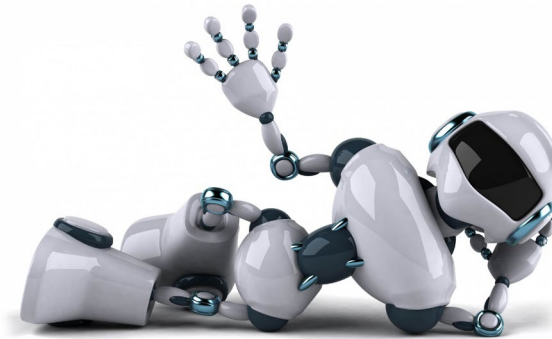
The digital revolution – you ain't seen nothing yet...



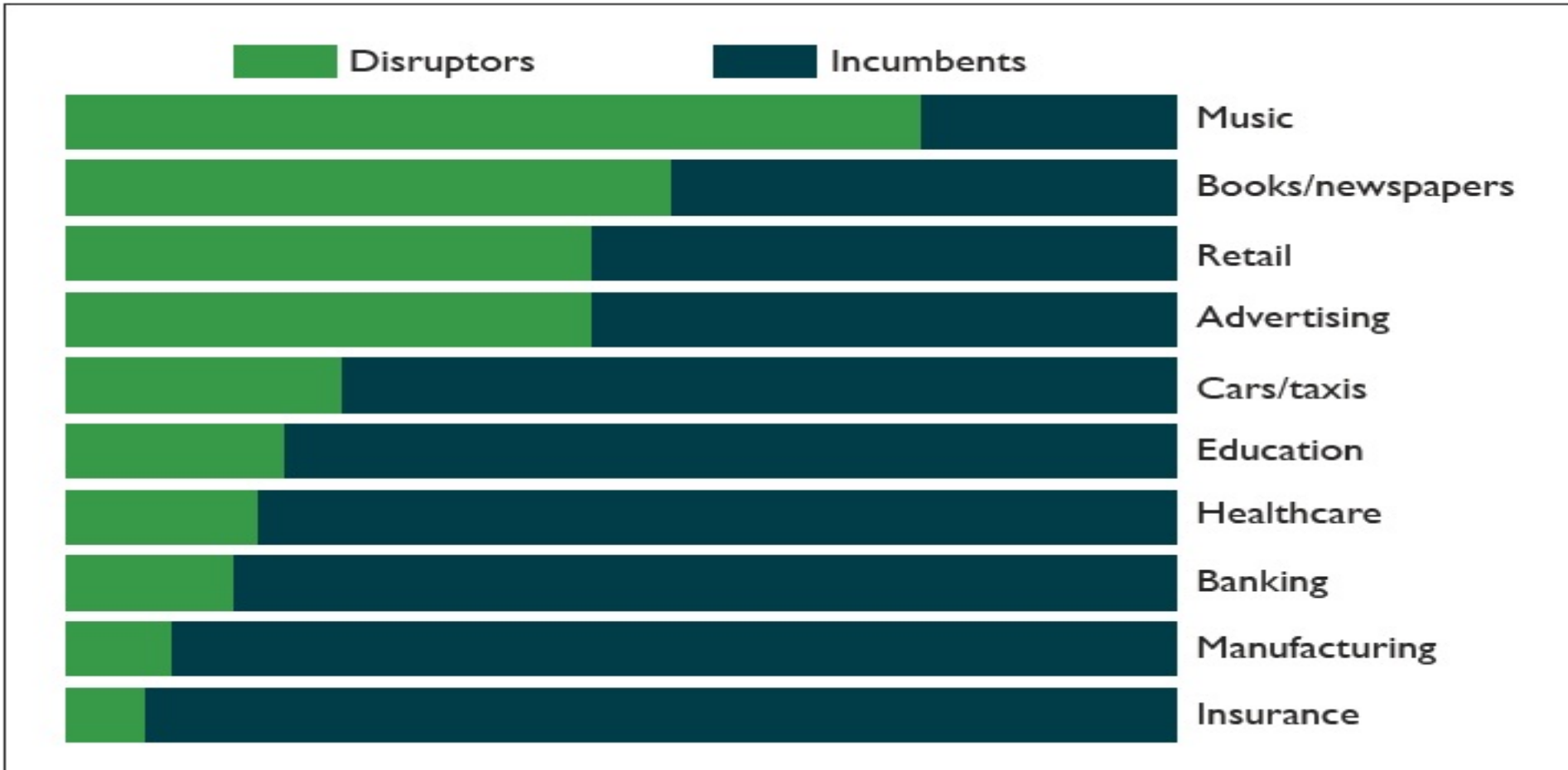
“Silk can be rolled up into a thin bundle and inserted into the brain relatively non-invasively. There, it would theoretically spread out around the brain and melt into the contours like shrink wrap. On the silk would be flexible silicon transistor arrays”

Work underway at University of Illinois, likely to be exploited by Neuralink, the latest venture from Elon Musk, to build a commercial brain-machine interface

Stop the world, I want to get off...



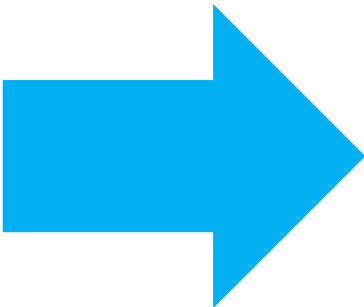
Most of the digital disruption is yet to happen



Source: Leading Edge Forum

Digital transformation in media - surviving the storm

ComputerWeekly.com



Recent Blog Posts

COMPUTER WEEKLY DATA BANK

Custom Software Spend - Distributive Trades 5
Large transportation support companies - including those providing facility operations and cargo handling - spend more than twice as much as their closest counterparts in the distributive trades sector on firms with 1000+ staff approach...

IDENTITY, PRIVACY AND TRUST

Identity Assurance: Risk-based trust?
Raj asked the following: "1. Government's Identity Assurance wonder whether all these eight IdPs have the same trust level in defining the trust level for these IdPs? Why I am asking it during the federation of IdPs, ..."

DAVID LACEY'S IT SECURITY BLOG

Big Data means Big Security
You can't go through the day without reading something about advertisements in newspapers, conferences devoted to the rebadged products emerging every week. Whether it's data operations or security monitoring, Big Data...



Lessons from digitally disrupted markets



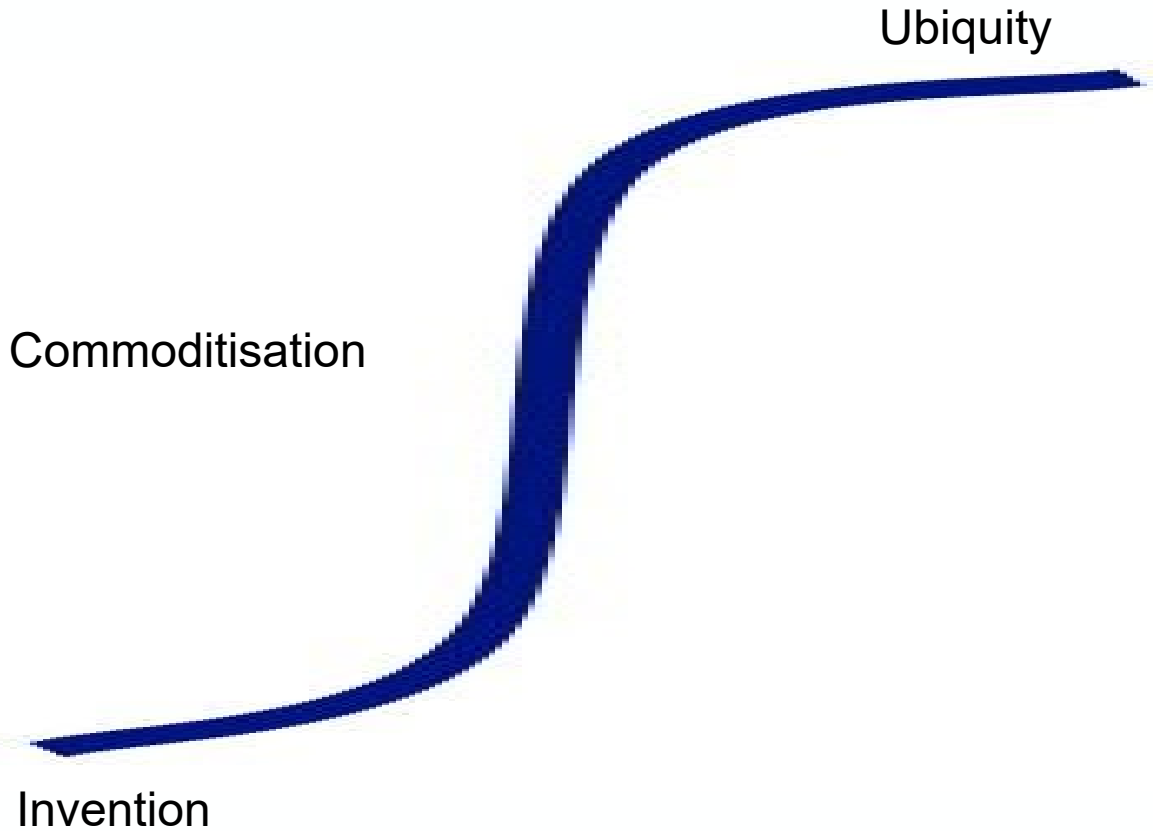
**So many choices
So little time!**

**Increases
choice**



**Low (or zero)
startup costs**

The forces driving technology adoption



- Commoditisation of IT is inevitable & unstoppable
 - Internet = commodity communications
 - Mobility = commodity user devices
 - Cloud = commodity computing power / storage
 - Big data = commodity information (mostly about you!)
- This is the digital revolution
 - A platform for unprecedented innovation

The pace of change

- Invention is slow – innovation is fast
- Why?
- Because so much technology is becoming a commodity, enabling greater innovation and exploitation at speed and low cost

INVENTION...



...INNOVATION



Our experience of the digital revolution feels like incredibly rapid change because so many areas of our lives are changing at the same time, and not because technology itself is changing any faster

It takes typically 20-50 years for a technology to go from invention to industrialisation

The businesses of the future are placing their bets on the moment of commoditisation

Points of Change	Today	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2045-2050
	Now	Near			Far			
IaaS	War							
PaaS	War							
SaaS	War							
Big Data		War						
IoT				War				
Sensor as a Service			War					
Agents					War			
Immersive				War				
Robotics			War					
3D printing				War				
Printed Electronics					War			
Hybrid Printing						War		
Genetic Engineering				War				
Bio Manufacturing						War		
Epigenetics						War		
GMO				War				
Currency			War					
Materials						War		
Social Change				War				

Source: Simon Wardley, Leading Edge Forum

What about the UK?

- We have some severe structural issues affecting future of digital economy
- Brexit
- Corporate under-investment in IT - the real cause of the productivity gap
 - UK adoption of ERP/CRM is less than in Denmark in 2009 (Source: CBI)
- £2.5bn in VC investment to UK tech startups – highest in Europe by a mile
 - But that's down 28% in a year
 - We sell off all our best tech firms to overseas companies
 - And £2.5bn is less than maybe 3 top City firms spend on IT in a year: Government please note
- Major infrastructure issues
 - Broadband / mobile networks
 - IT skills / STEM / diversity / education

Worry about people, not technology

- I typed this sentence at about 1/20th of the speed I thought the words; I say it at about 250 words per minute – about 200 bits per second. Not exactly broadband. Not even a dial-up modem!
- Our brain is limited by its only interface
- What we once thought impossible is becoming possible in the next 50 years
- The digital revolution is inevitable and unstoppable
- Already signs of an emerging tech backlash
- There will be a lot of people who don't like all this change – and some of them will be running countries





Thank you.

Bryan Glick

Editor in chief, Computer Weekly

@bryanglick

bglick@techtarget.com

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