

future trends

mike ryan

futurist

fusion futures

 [mikemanchester](#)

social context



replaced by digital checks and balances

TOP SECRET//SI//ORCON//NOFORN



(TS//SI//NF)

PRISM Collection Details



Current Providers

- Microsoft (Hotmail, etc.)
- Google
- Yahoo!
- Facebook
- PalTalk
- YouTube
- Skype
- AOL
- Apple



What Will You Receive in Collection
(Surveillance and Stored Comms)?
It varies by provider. In general:

- E-mail
- Chat – video, voice
- Videos
- Photos
- Stored data
- VoIP
- File transfers
- Video Conferencing
- Notifications of target activity – logins, etc.
- Online Social Networking details
- **Special Requests**

Complete list and details on PRISM web page:
Go PRISMFAA

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spying



world starting to close up



*UN HCR report 2015

1 in 122 of the global population displaced*



massively unequal societies tend to go one of two ways



People aren't just demanding technological interactions with government, but also asking for a new voice.

John Herhalt
Partner KPMG

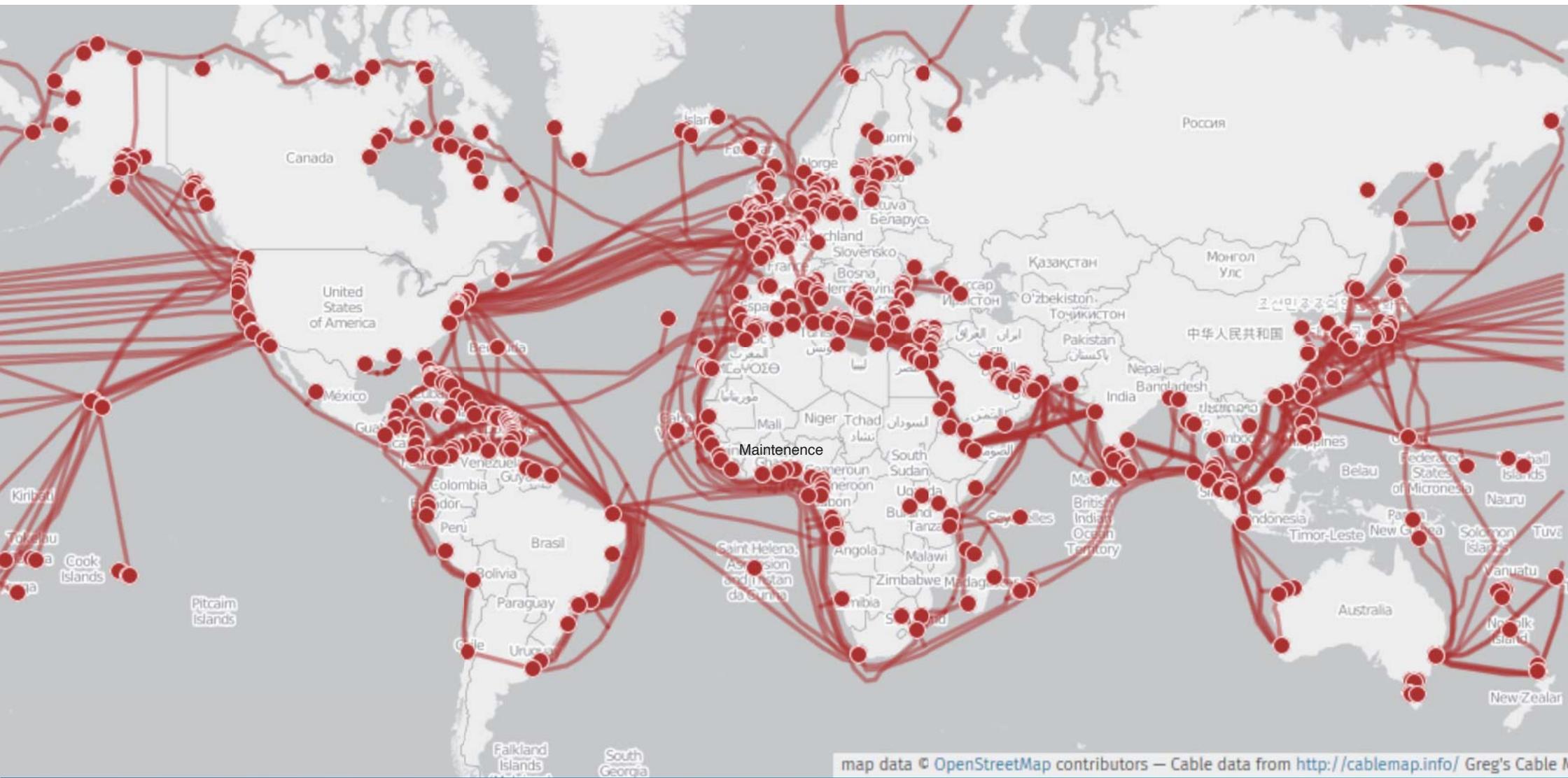
ignite through social change

technology drivers

**Top 10 global tech companies
will invest over \$1.5 trillion
in research and development
between 2010 -2020***

*fortune 2014-16

big business driving the future



digital trade mirrors physical trade



1996



graphene processor



2010



2011

2015

2018

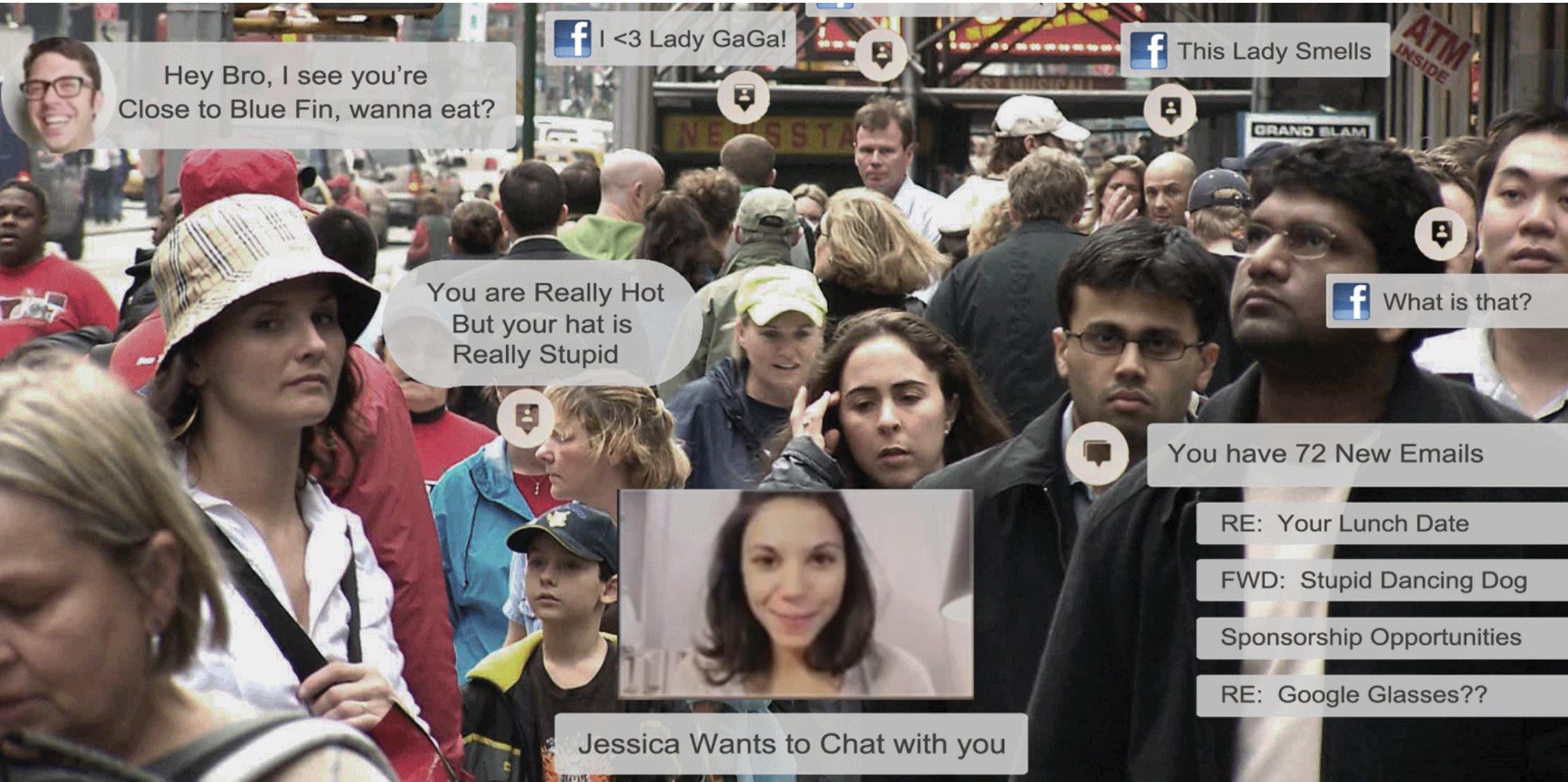
2025

graphene quantum computer

cognitive systems and quantum computing



all encryption compromised with quantum computing



Hey Bro, I see you're Close to Blue Fin, wanna eat?

f I <3 Lady GaGa!

f This Lady Smells

You are Really Hot But your hat is Really Stupid

f What is that?

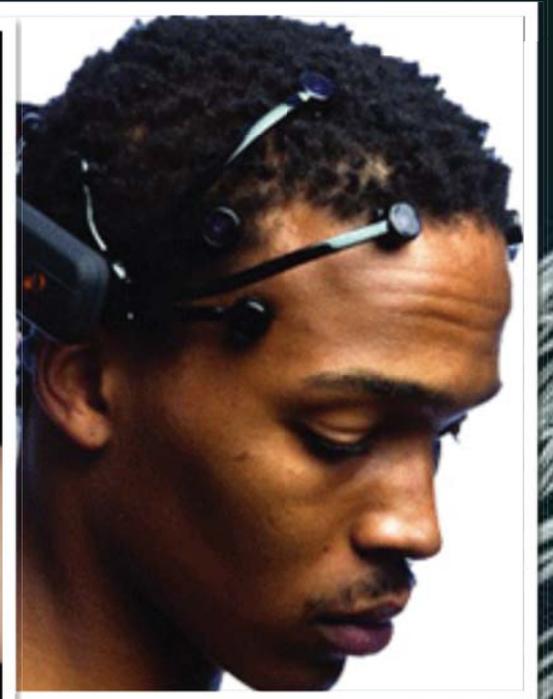
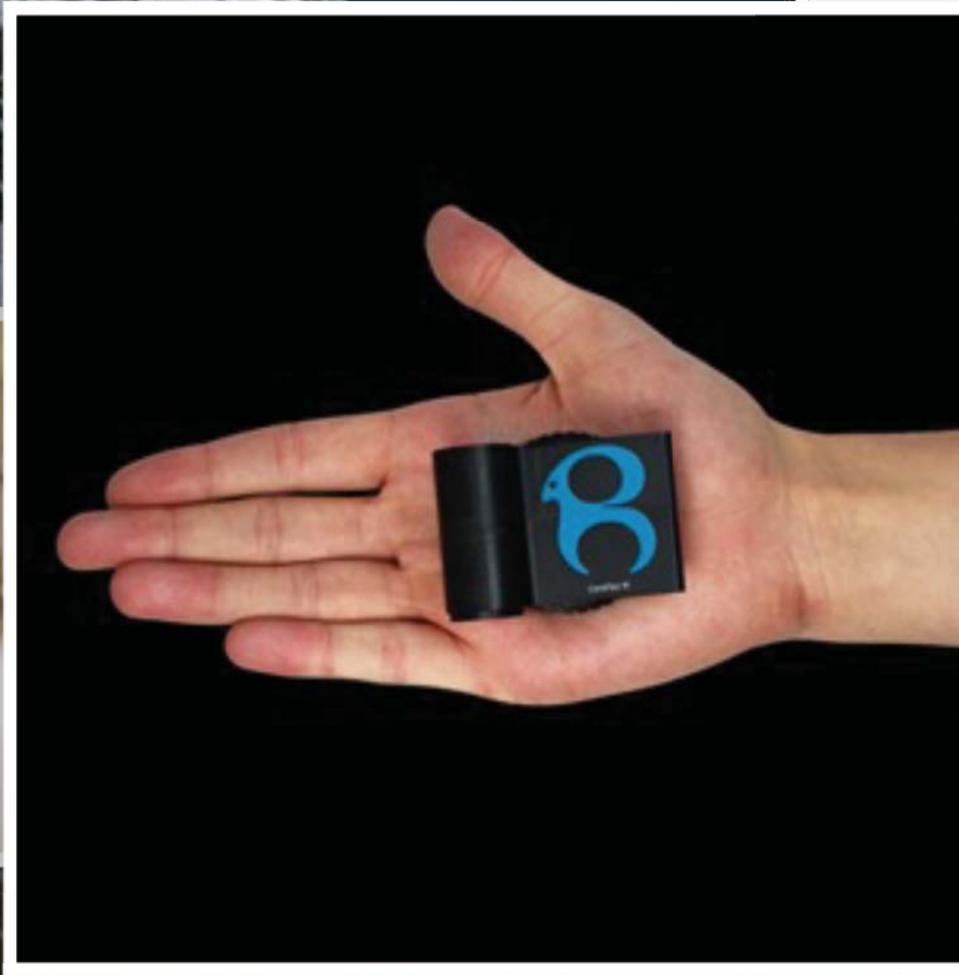
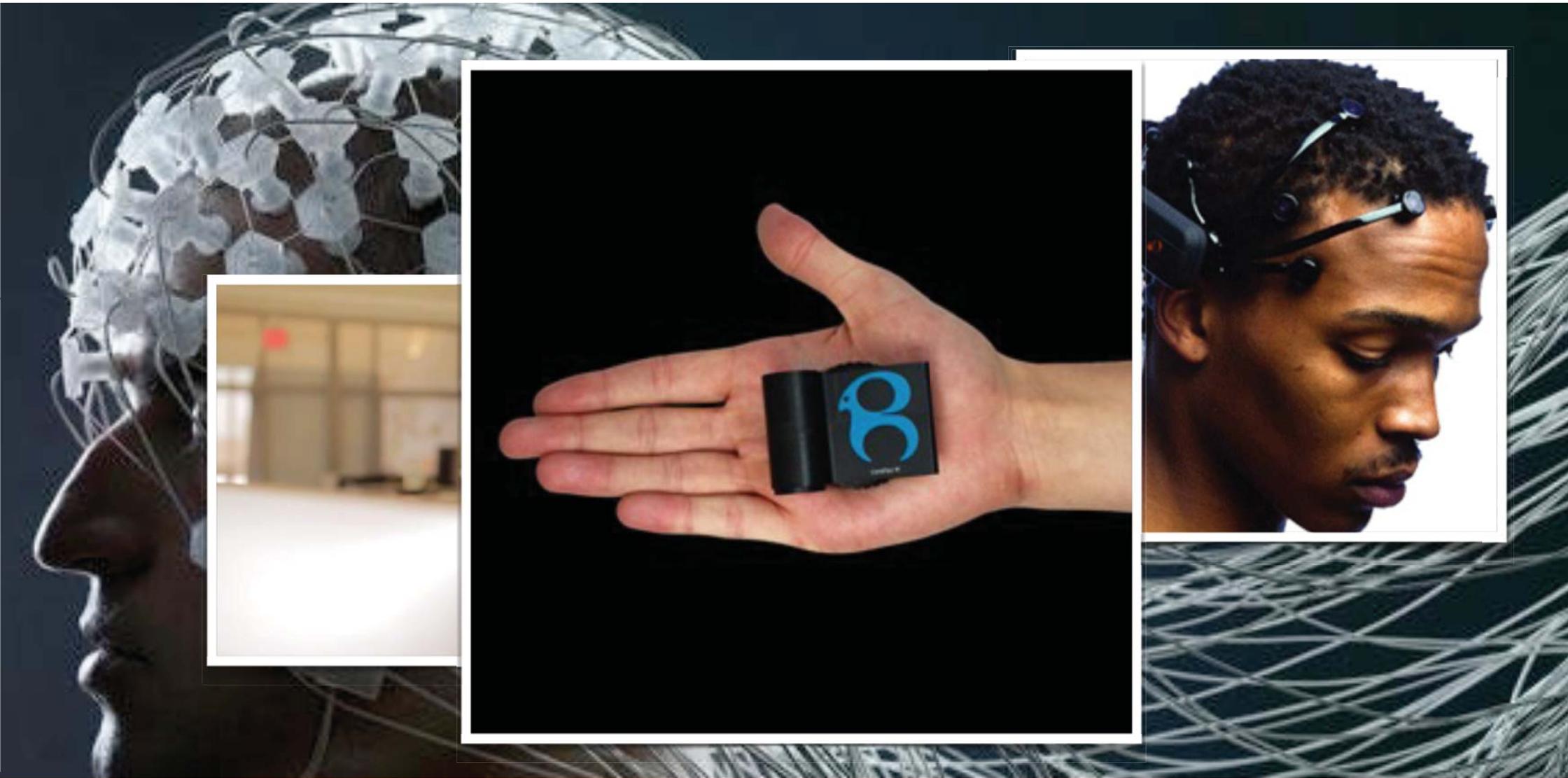
You have 72 New Emails

- RE: Your Lunch Date
- FWD: Stupid Dancing Dog
- Sponsorship Opportunities
- RE: Google Glasses??

Jessica Wants to Chat with you



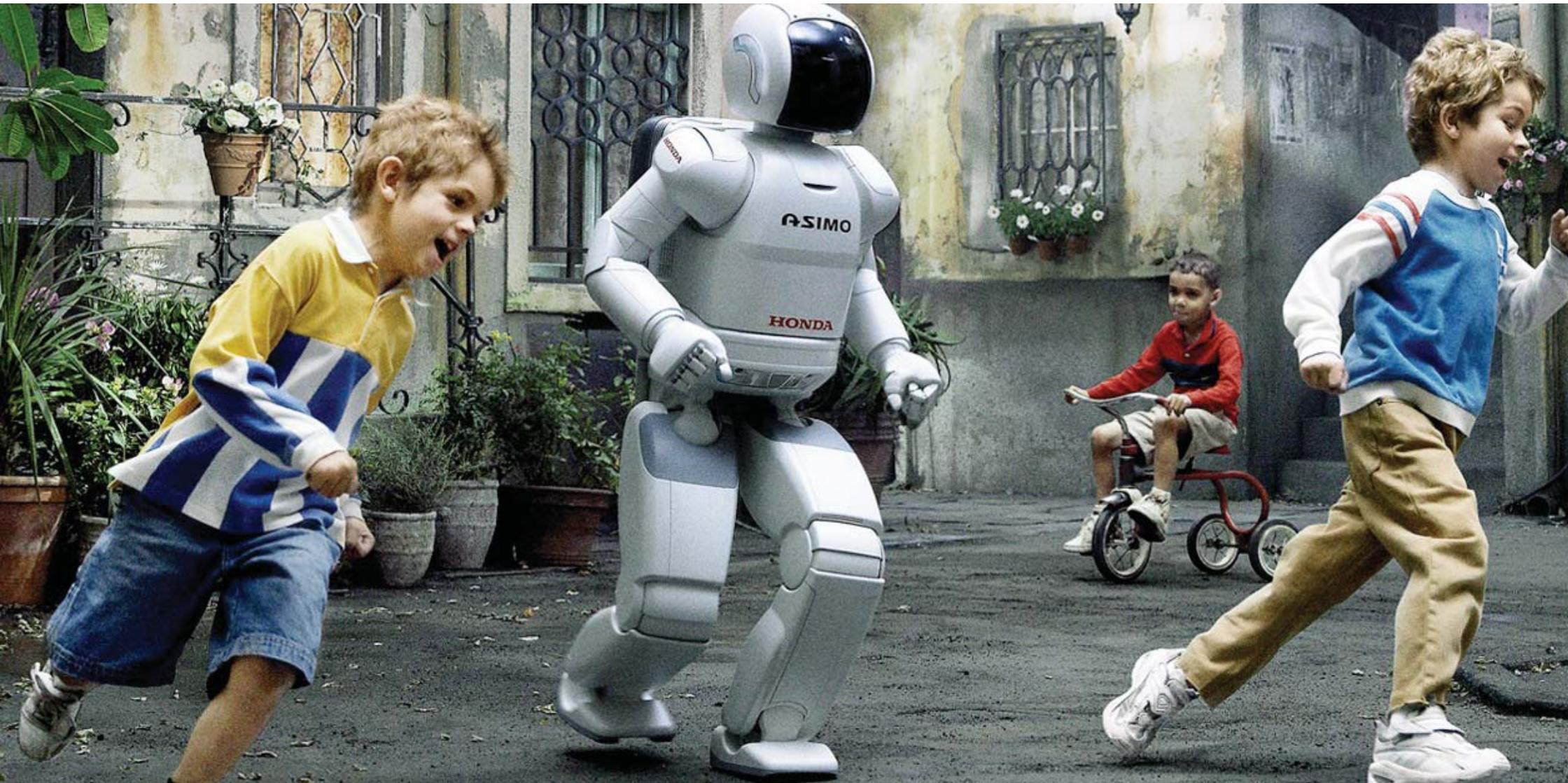
physical and digital world become one



mind control



VR and mind control - total immersion

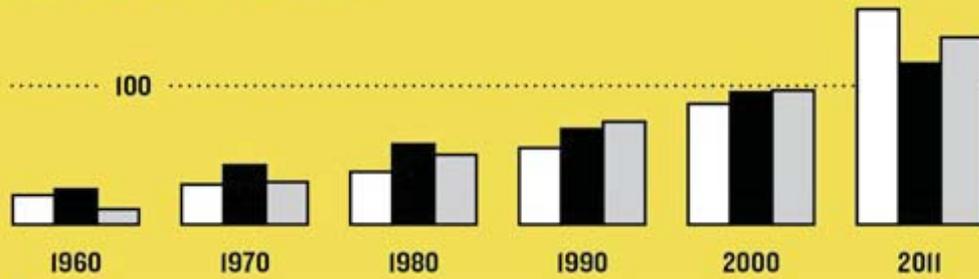


entering a smart machine age

⊖ Output per employed person in manufacturing

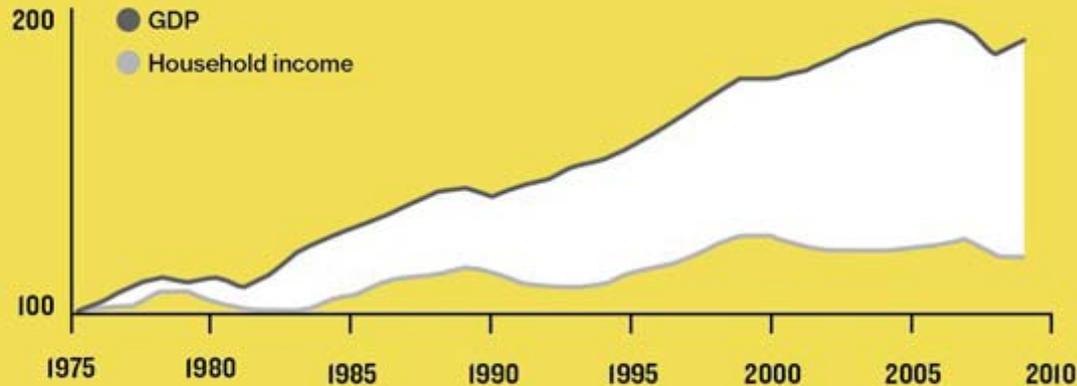
In leading advanced manufacturing countries, output per worker has grown impressively as factories have become more automated (indexed: 2002 = 100).

○ US ● Germany ○ Japan



⊖ U.S. GDP per capita and household income

While the nation's total output has generally grown over the last 25 years, the median household income has been nearly stagnant (indexed: 1975 = 100).



320k

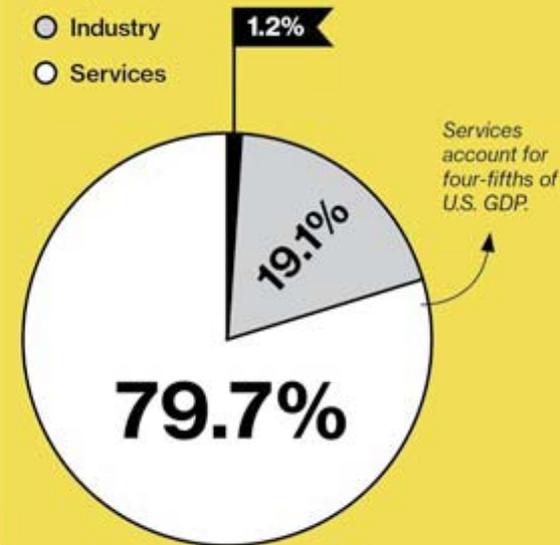
Industrial robots sold in the last two years



⊖ Automation in services has a dramatic effect

Making service work more efficient has an outsize impact on productivity figures because the sector is so large.

- Agriculture
- Industry
- Services



productivity and employment decoupled

conclusions

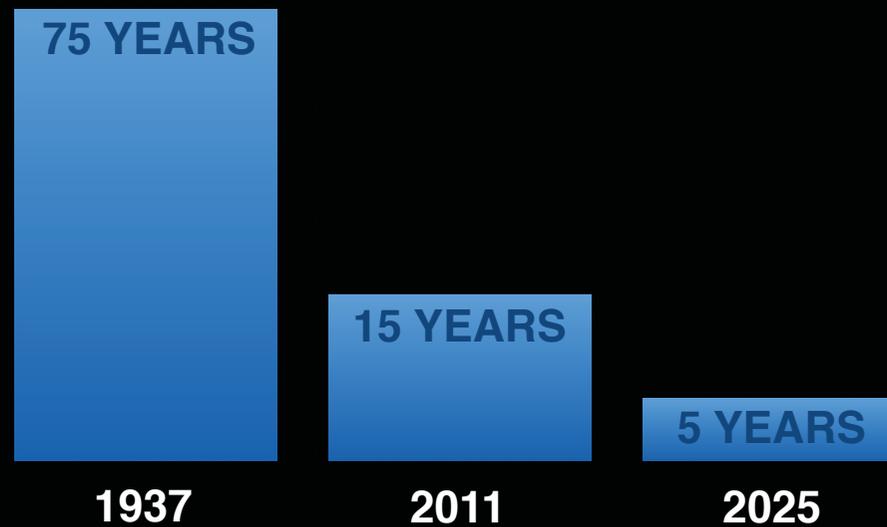


less risk, less trust, more monitoring using digital



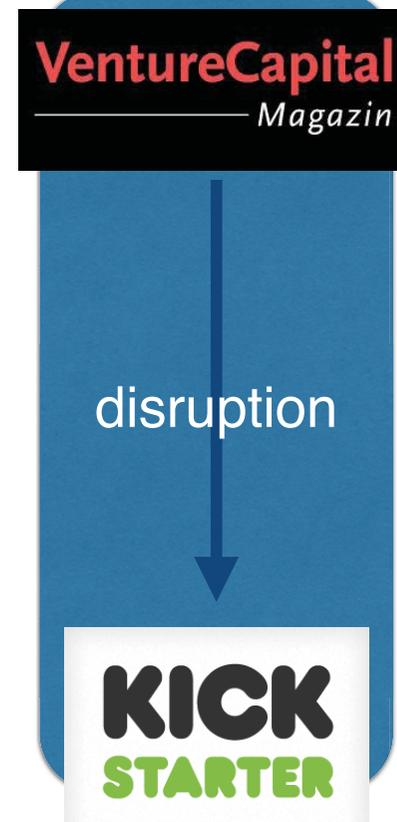
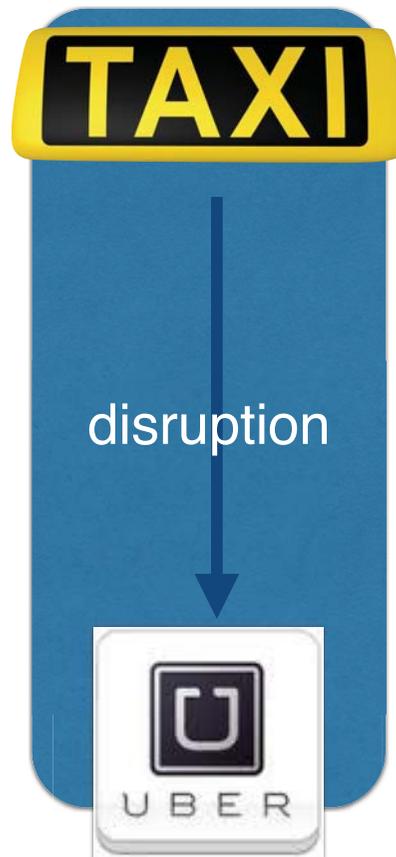
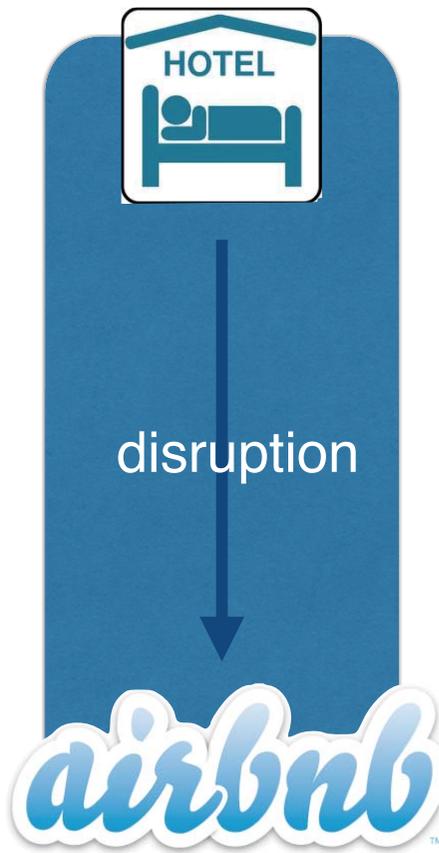
undivided attention valued

Average time a company spends in the S&P 500



KPMG Future State 2030 report, 2013

corporates: shorter shelf-life



social disrupting corporate ambitions



world of freelancers

Physical Attributes



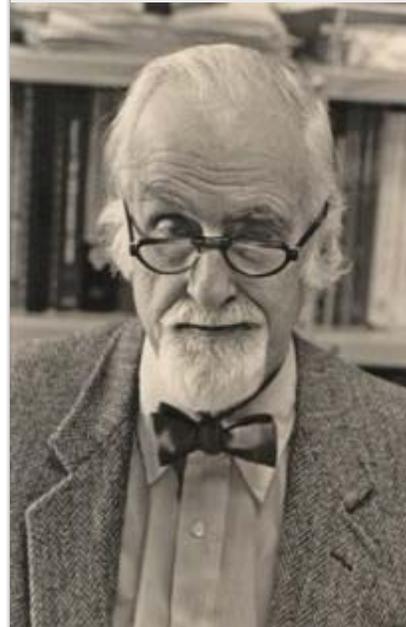
before c20th

Intelligence and IQ tests



1900 - 1972

Competence Skills matrix



1973 - 2010

Potential

amazon.com[®]



facebook



2010 -

recruitment methods are changing



low skilled roles replaced by machines



Google DeepMind

Challenge Match

8 - 15 March 2016



AI systems winning against the human brain



AI taking professional jobs even managing hedge funds

thank you

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