

# Are we on the brink of a ....

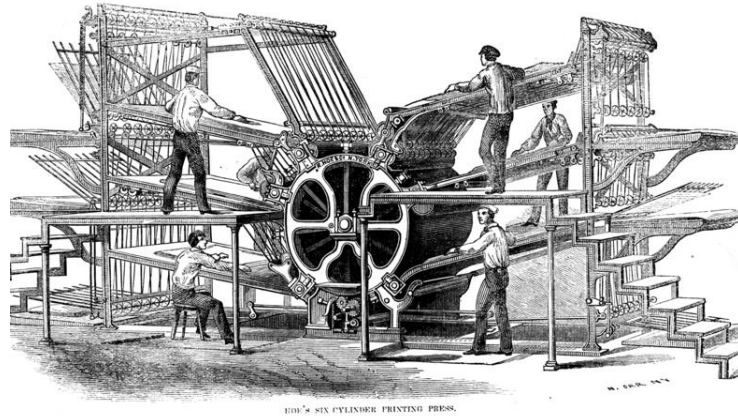
## Change 1:

Moving from gather and hunting to settling down to farms and ports



## Change 2:

Developing the printing press and industrial revolution



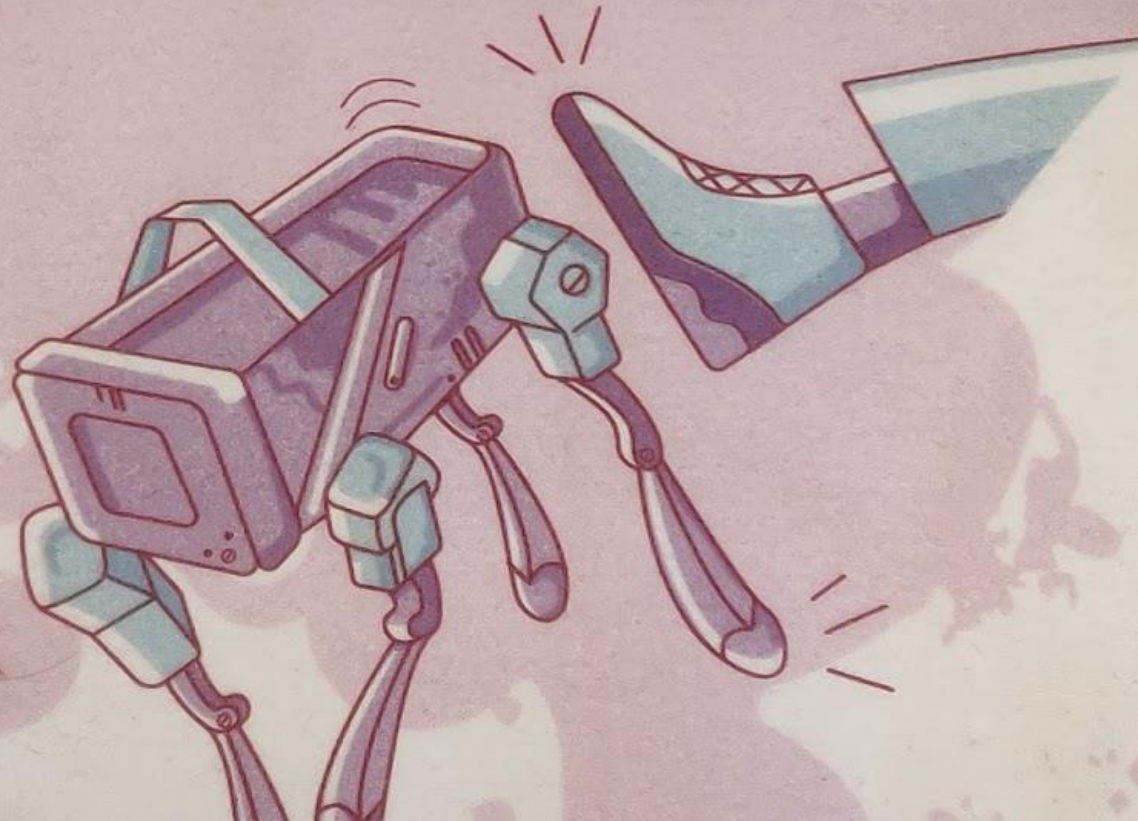
## Latest Change:

The greatest change of our lives. Artificial Intelligence



AI will not take my job

# ШТУЧНИЙ ІНТЕЛЕКТ НЕ ЗАБЕРЕ МОЮ РОБОТУ



# When Will AI Exceed Human Performance?

## Evidence from AI Experts

Advances in artificial intelligence will transform modern life by reshaping transportation, health, science, finance, and the military.

“High-level machine intelligence” (HLMI) is achieved when unaided machines can accomplish every task better and more cheaply than human workers.

Driving a truck -  
2027



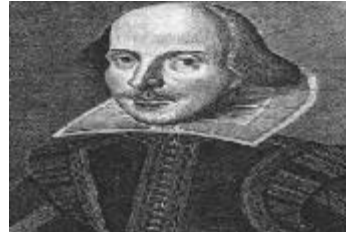
Retail - 2031



Surgeon - 2043



Writing a  
bestseller –  
2049



Math Research -  
2060



Full Automation  
of labor – 2140



# AI vs Brain?

Checkers -1995



AI: UAlberta Chinook: white  
Brain: Don Lafferty – red

$10^{20}$

Chess -1997



AI: IBM Deep Blue: white  
Brain: Garry Kasparov: black

$10^{47}$

Go - 2016



AI: Google AlphaGo - black  
Brain: Lee Sedol - white

$10^{171}$

Poker - 2017



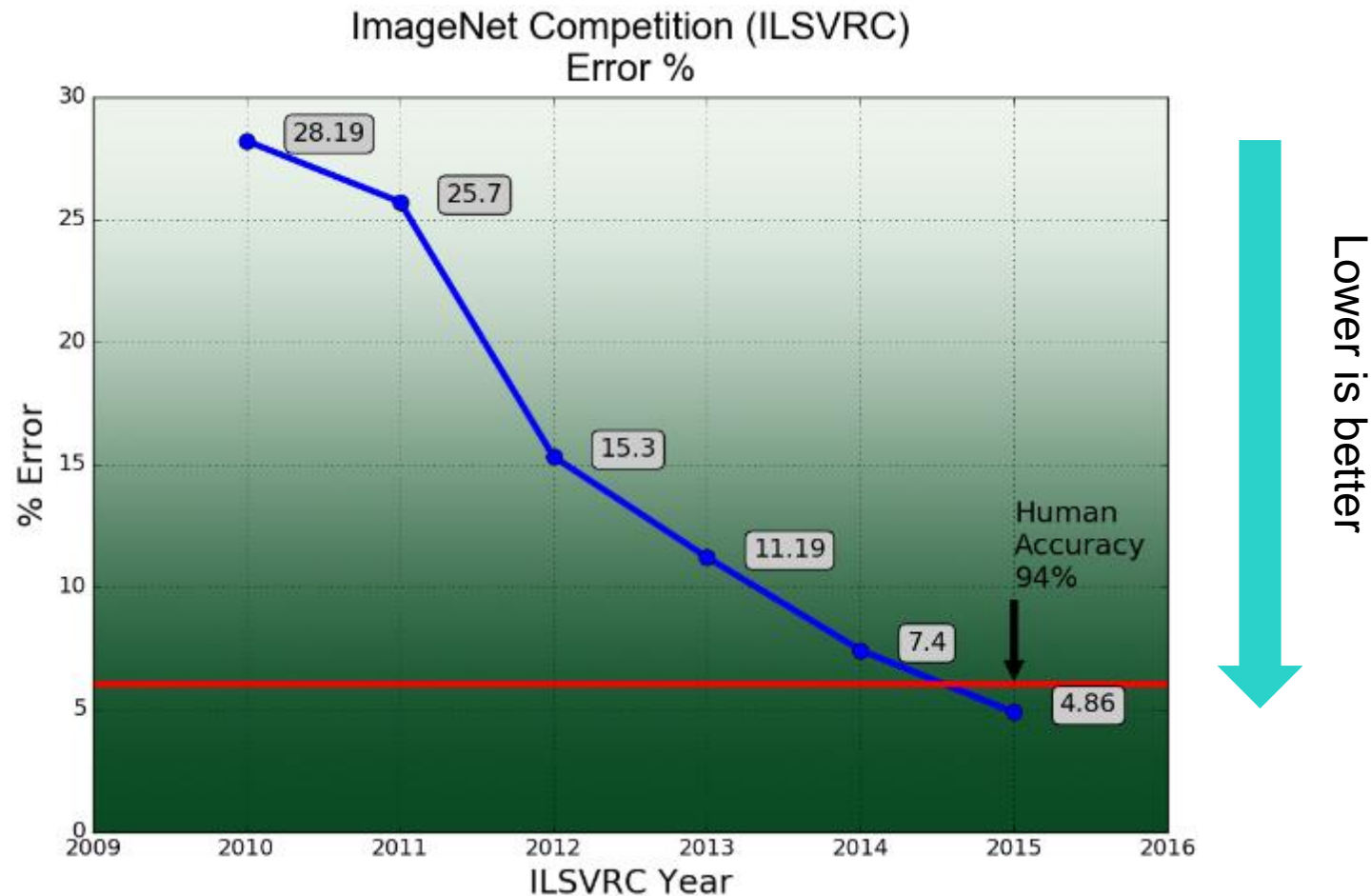
AI – HPE, CMU Liberatus  
Brain: Kim, Les, Chou, MCAula

$10^{160}$

# Deep Learning: Better than human

## The ImageNet dataset and benchmark

- The most important networks that solve the ImageNet challenge over the years are benchmarked.
- The classification accuracy has been improving year on year, so much that now it is better than humans!



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# UAE Strategy for Artificial Intelligence (AI)

There is also a plan to cut government yearly expenses for at least 50% based on the use of AI

Launched in 2017, the UAE Strategy for Artificial Intelligence (AI) is the first mega project to achieve the objectives of UAE Centennial 2071. It characterizes the post-mobile government phase in which all future government services, sectors and infrastructure projects will rely on AI. The strategy is the first of its kind in the region and the world and it will see investments in the latest AI technologies and tools to enhance government performance and efficiency. By 2031, the UAE will achieve 100 per cent reliance on IA for government services and data analysis.

<https://government.ae/en/about-the-uae/uae-future>

Let robots do robots' job

