

# Contemplating IPRs in the AI Future

---

[paramjeet.singh.berwal@tsu.ge](mailto:paramjeet.singh.berwal@tsu.ge)

# HUMAN DECISION MAKING

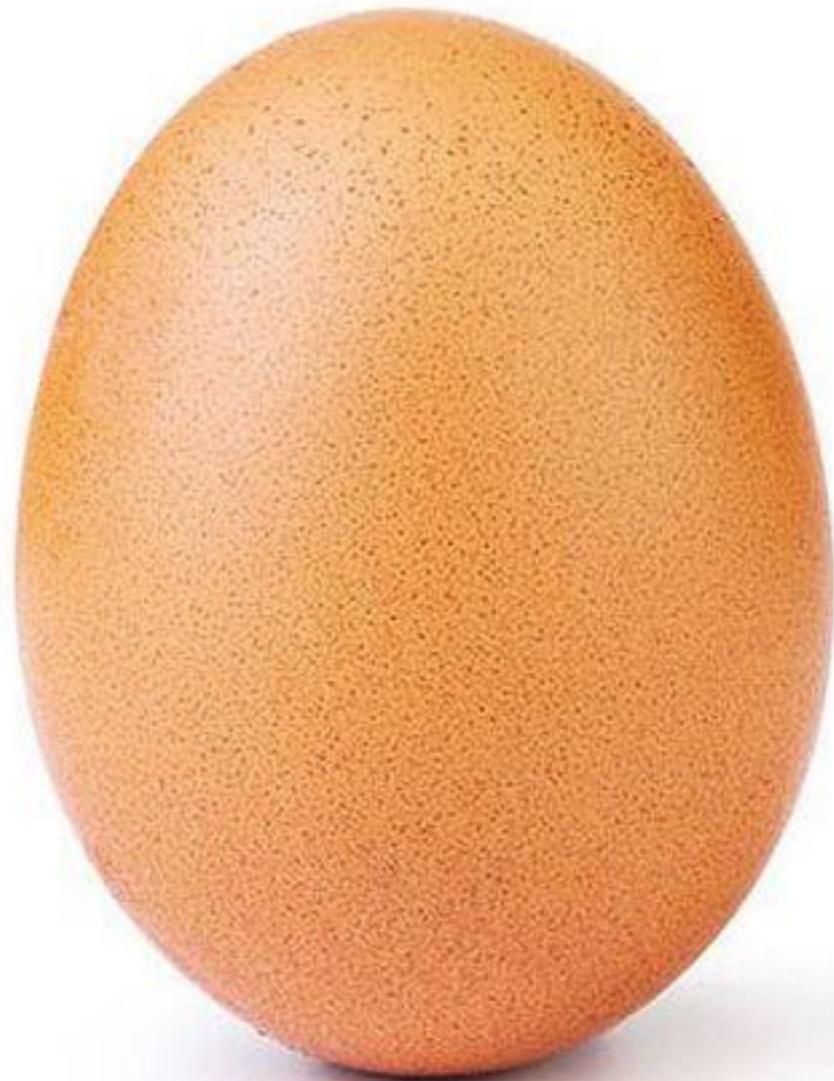


Image: Egg Gang

# 1500 private jets to hear Sir David Attenborough talk about climate change

(at WEF, 2019)

---

Rutger Bregman



Author: Victor van Werkhoven

[Creative Commons Attribution 3.0 Unported](https://creativecommons.org/licenses/by/3.0/)

Wealth of billionaires  
*increased* by **2.5 bn**  
**usd/day**

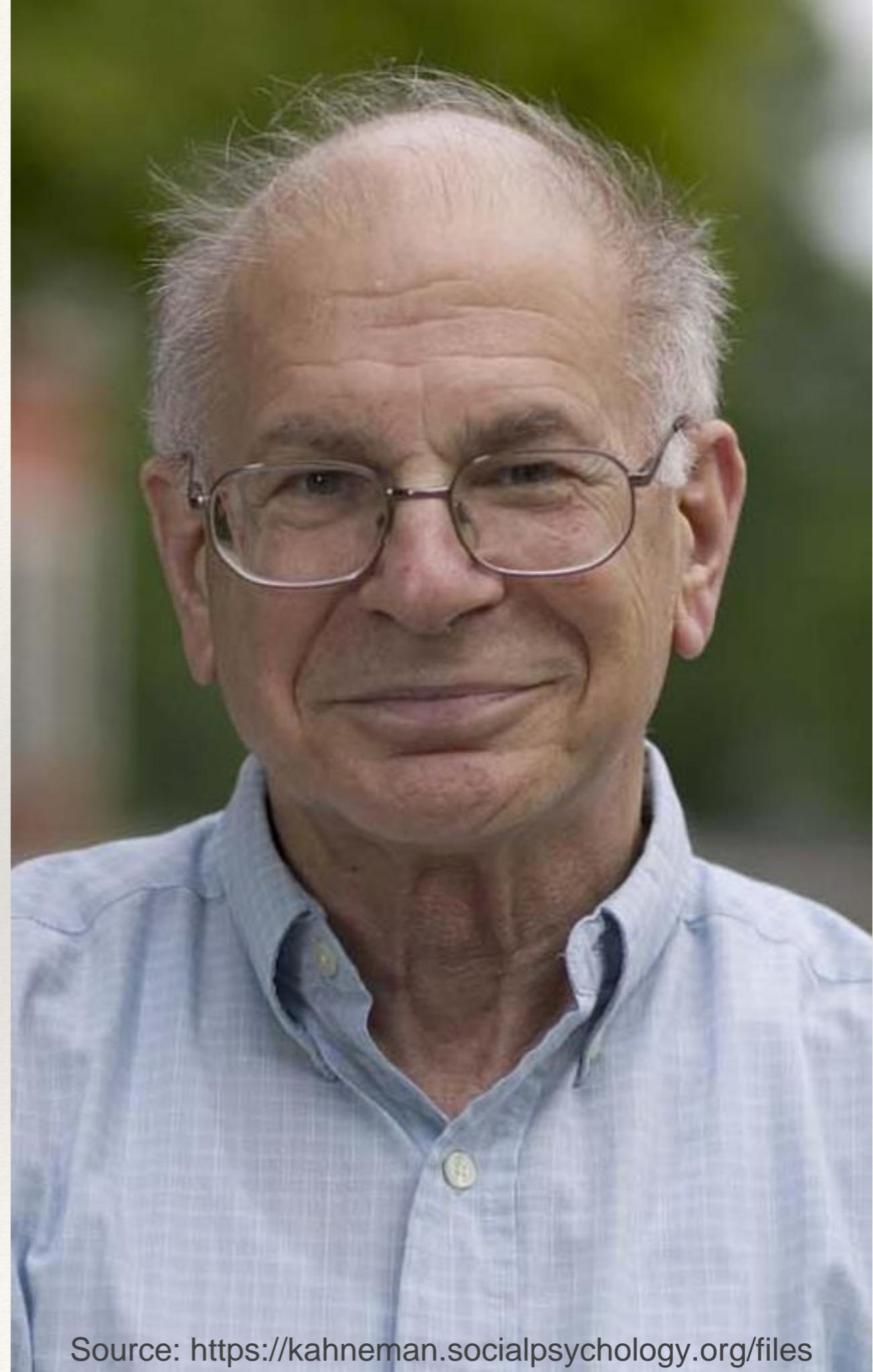
Wealth of the poorest 3.8  
bn *decreased* by **500 mn**  
**usd/day**

---

Oxfam International (WEF, 2019)

# “Noise”

Daniel Kahneman



# Result of Human Decision making



Economic  
System

# How economy works?

Simply put:  
PRODUCTION, BUYING AND SELLING

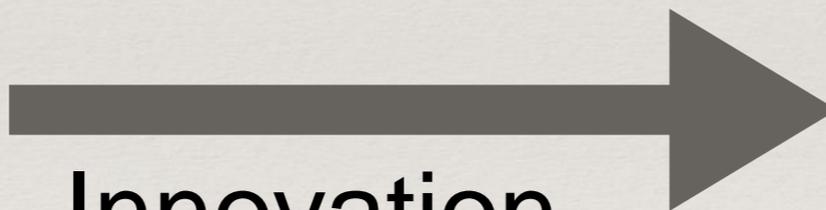
PLAYERS → SCARCE RESOURCES → GOAL

COMPETITION

MARKET/GOVERNMENT



Competition

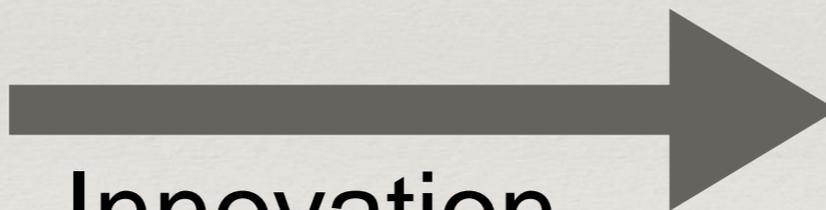


Innovation

Goal



Competition



Goal

Innovation

Negative Rights

# IPRs



\$\$\$\$\$\$

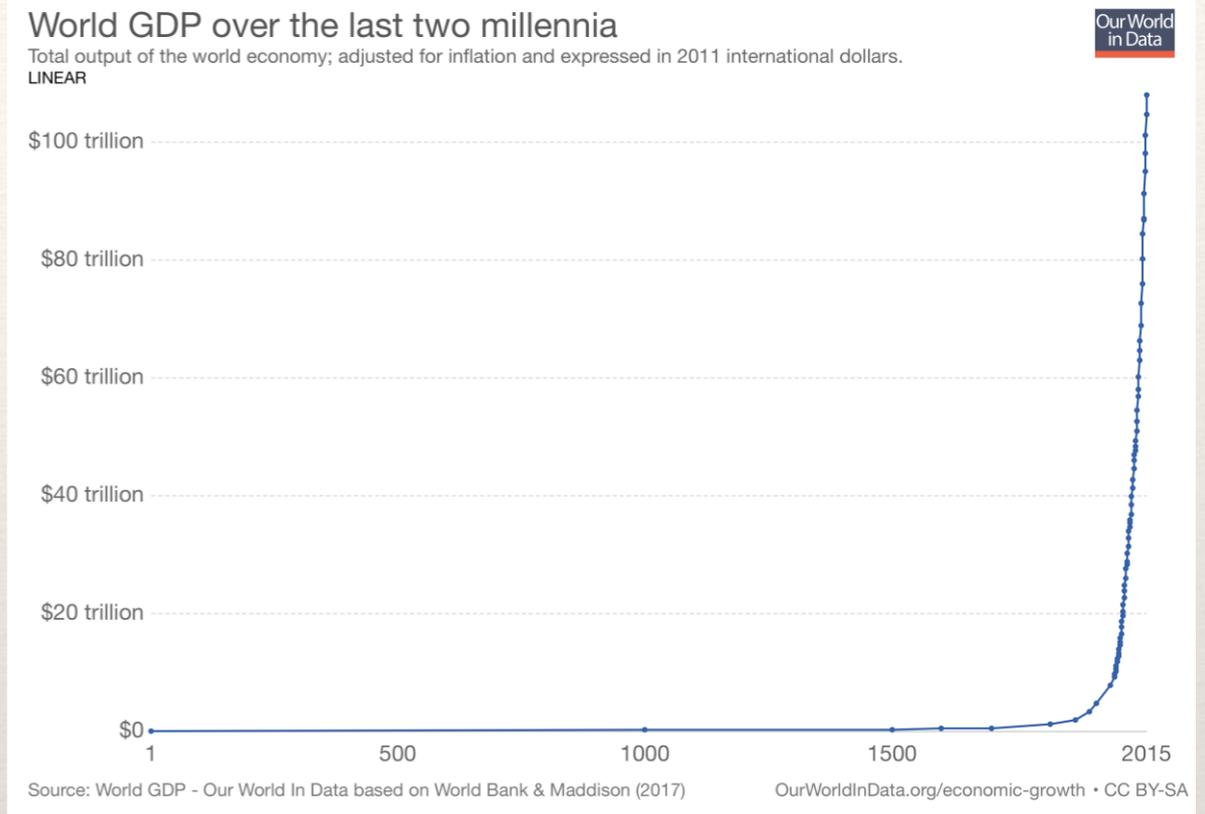


\$\$\$\$\$\$

Add

# FINANCIAL REVOLUTIONS

Finance & Technology helping in  
FINANCING, BUYING AND SELLING



4. AI (ANI)

5. HUMAN LEVEL (AGI)

6. SUPER INTELLIGENCE

7. SINGULARITY

# Innovation

Technology



Efficient &

Improved Markets



Intelligent System



Overhauling

the economic systems

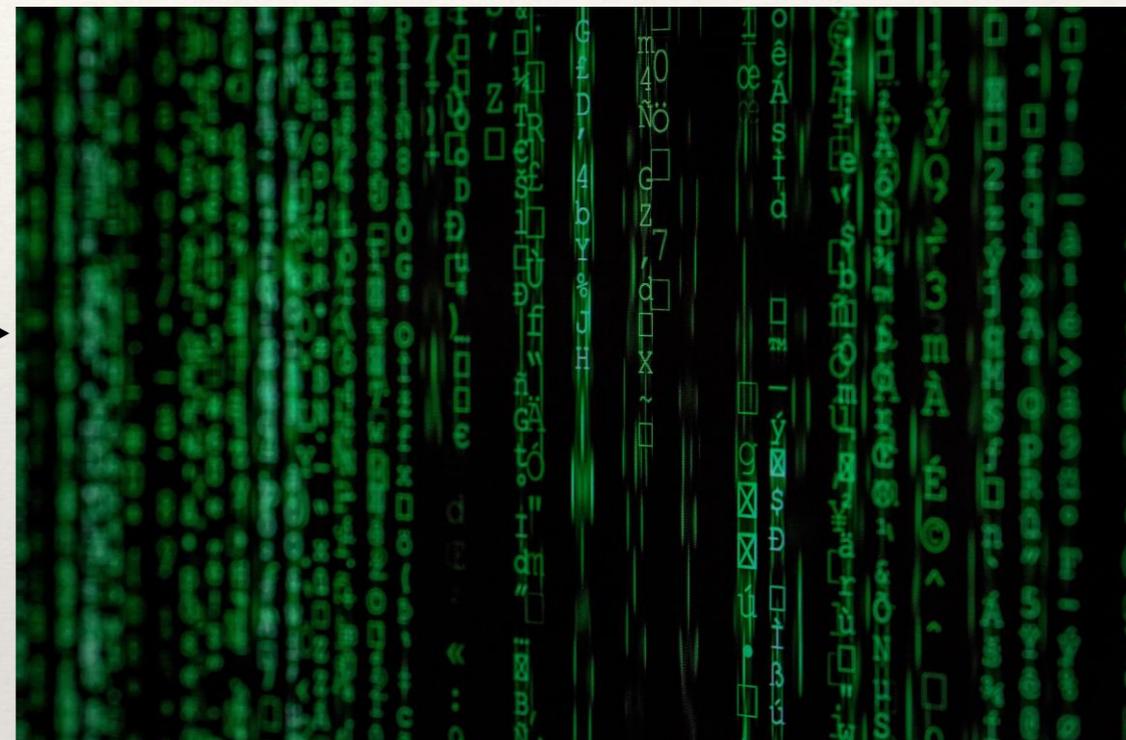
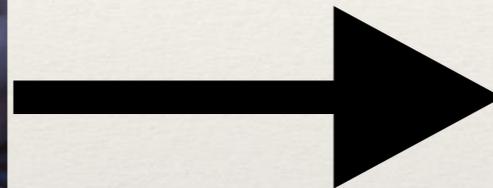
Extraterrestrial Mining

Hyper personalised “induced” consumption

# AI Decision Making and Implementation



Humans



Non-human  
Intelligence system

News &gt; Science

# Stephen Hawking: 'Transcendence looks at the implications of artificial intelligence - but are we taking AI seriously enough?'

Success in creating AI would be the biggest event in human history. Unfortunately, it might also be the last, unless we learn how to avoid the risks, says a group of leading scientists

Stephen Hawking, **STUART RUSSELL**, **Max Tegmark**,  
**Frank Wilczek** | Thursday 1 May 2014 21:30 | 101 shares |  
351 comments



Like Click to follow  
The Independent



Stuart Russell, Berkeley  
Max Tegmark, MIT  
Frank Wilczek, MIT  
Stephen Hawking, Cambridge

“..no fundamental limits to what can be achieved...”

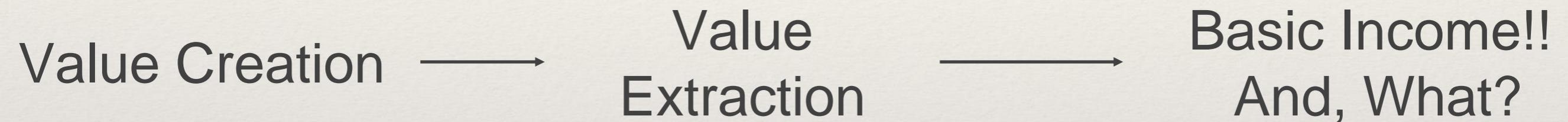
Economic Growth Explosion

“Singularity”

800 million

4 trillion

More than Enough for everyone  
but no one can buy!!!



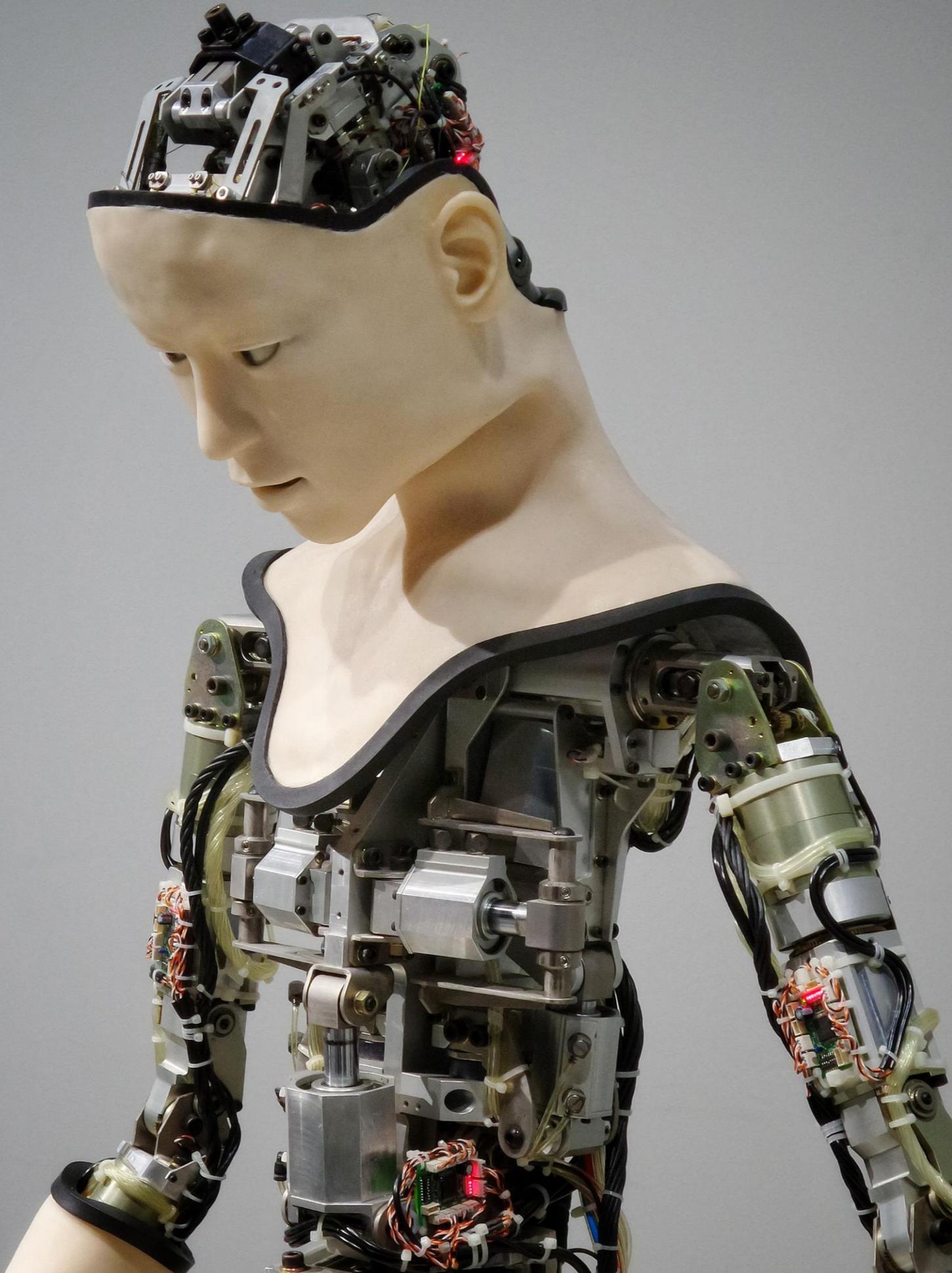
No “*Competition*”  
Economic Restructuring



**Choice**



**Revelation**



Non Human Intelligence

Last Invention

AI creates & innovates

Devoid of human control



Author: Vanz

[Creative Commons Attribution 2.0 Generic License](https://creativecommons.org/licenses/by/2.0/)

<https://www.flickr.com/photos/vanz/144476323/in/set-72057594131744996/>



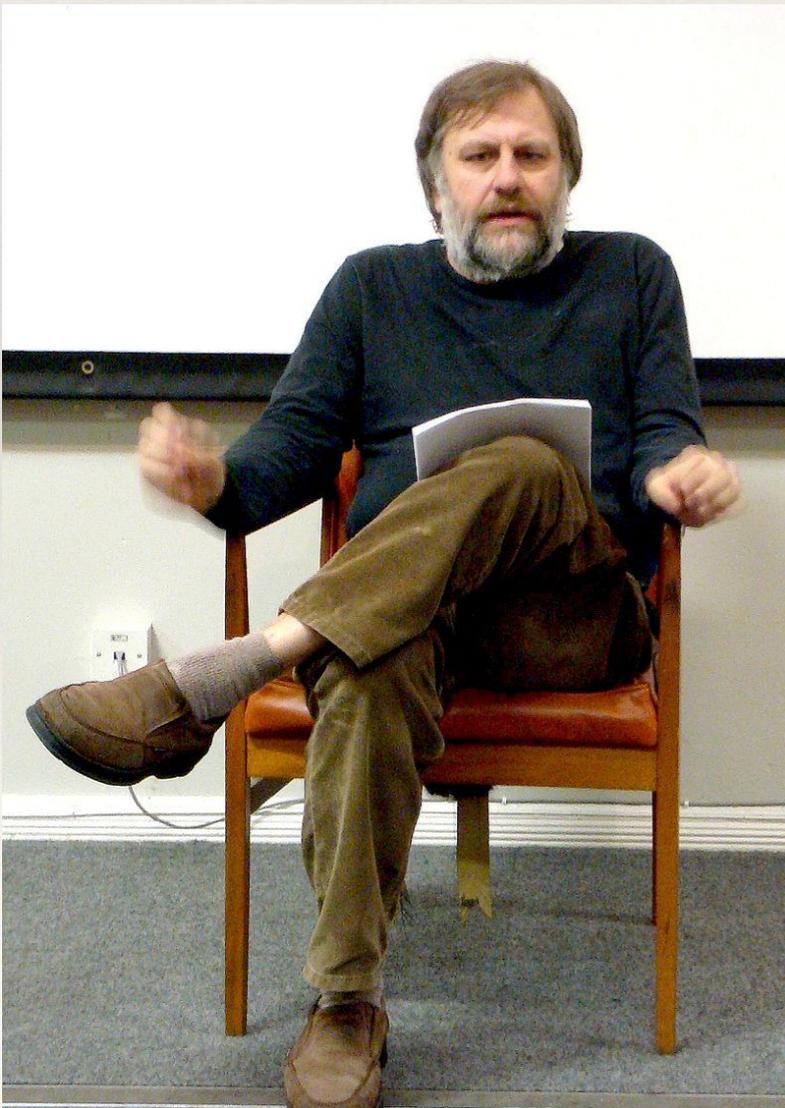
Neuralink is developing ultra high bandwidth brain-machine interfaces to connect humans and computers.

Source: <https://www.neuralink.com>

Humans  $\longrightarrow$   $\longleftarrow$  AI  
Merged Space



Creative Commons Attribution-Share Alike 3.0 Unported.  
Author: Duncan.Hull



'Who will control merged human-AI digital space?'

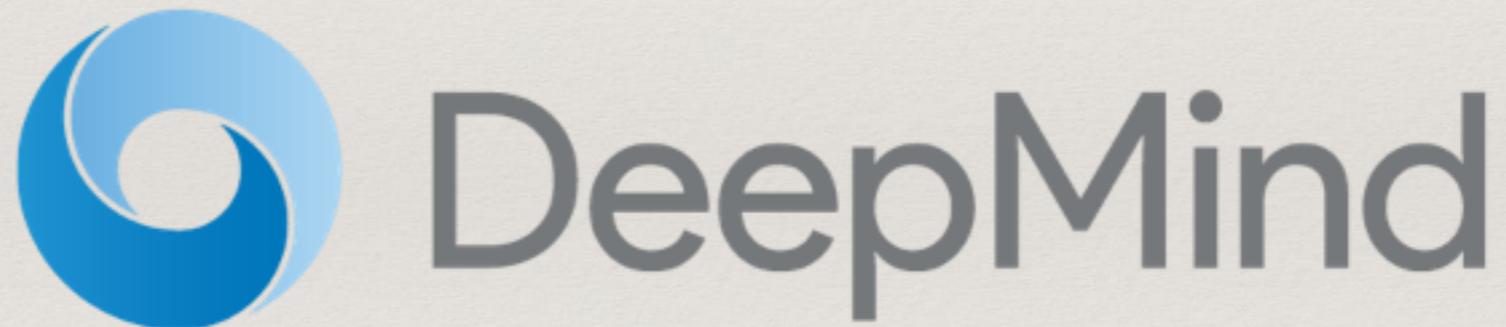
<https://www.rt.com/news/383029-human-ai-implant-slavoj-zizek/>

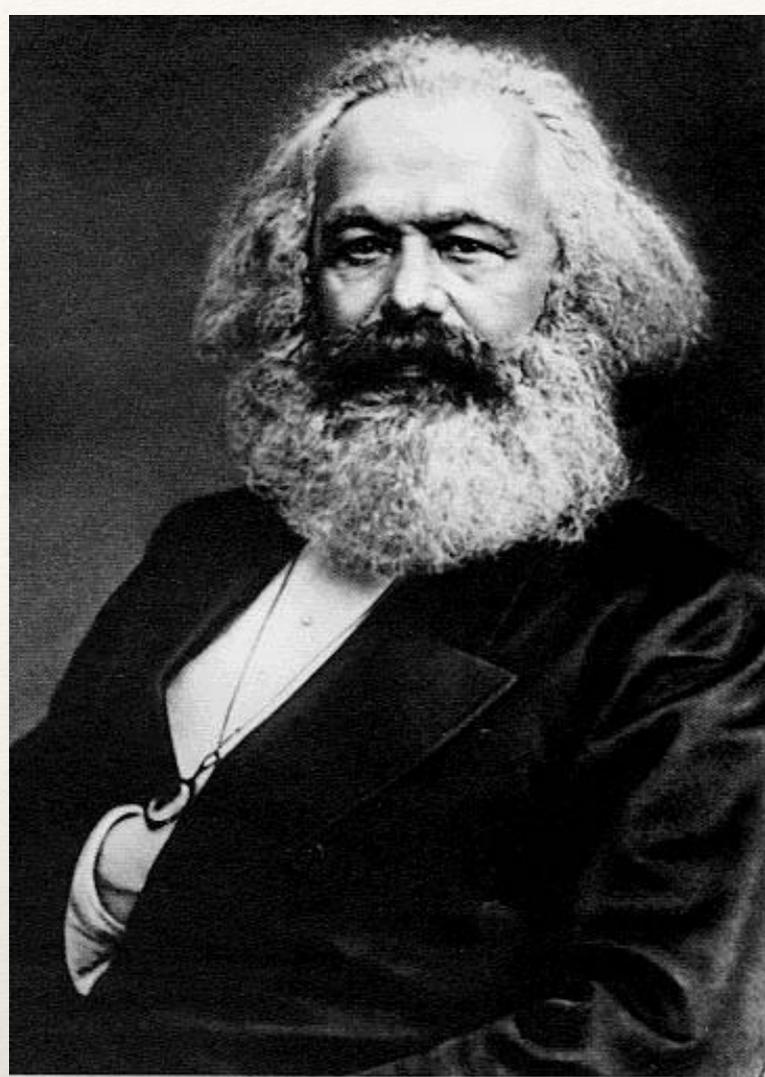
CC BY-SA 2.0

Original photographer: [Andy Miah](#) , cropped by [User:Michalis Famelis](#) - [Image:Slavoj Zizek in Liverpool.jpg](#) in Wikimedia Commons, originally from [flickr](#)

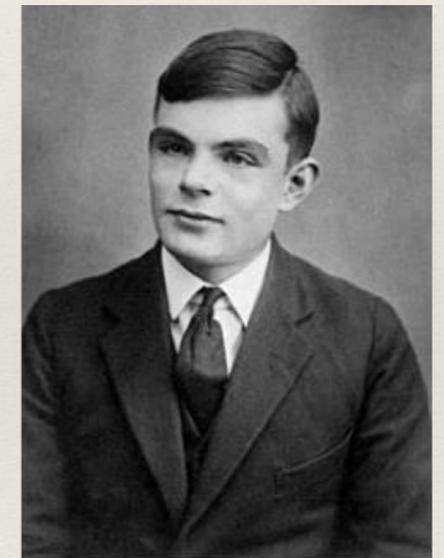
We're on a scientific mission to push the boundaries of AI, developing programs that can learn to solve any complex problem without needing to be taught how.

<https://deepmind.com>





The Fragment on Machines  
**Karl Marx** – *from The Grundrisse (pp. 690-712)*  
1857-58



**A. M. Turing**

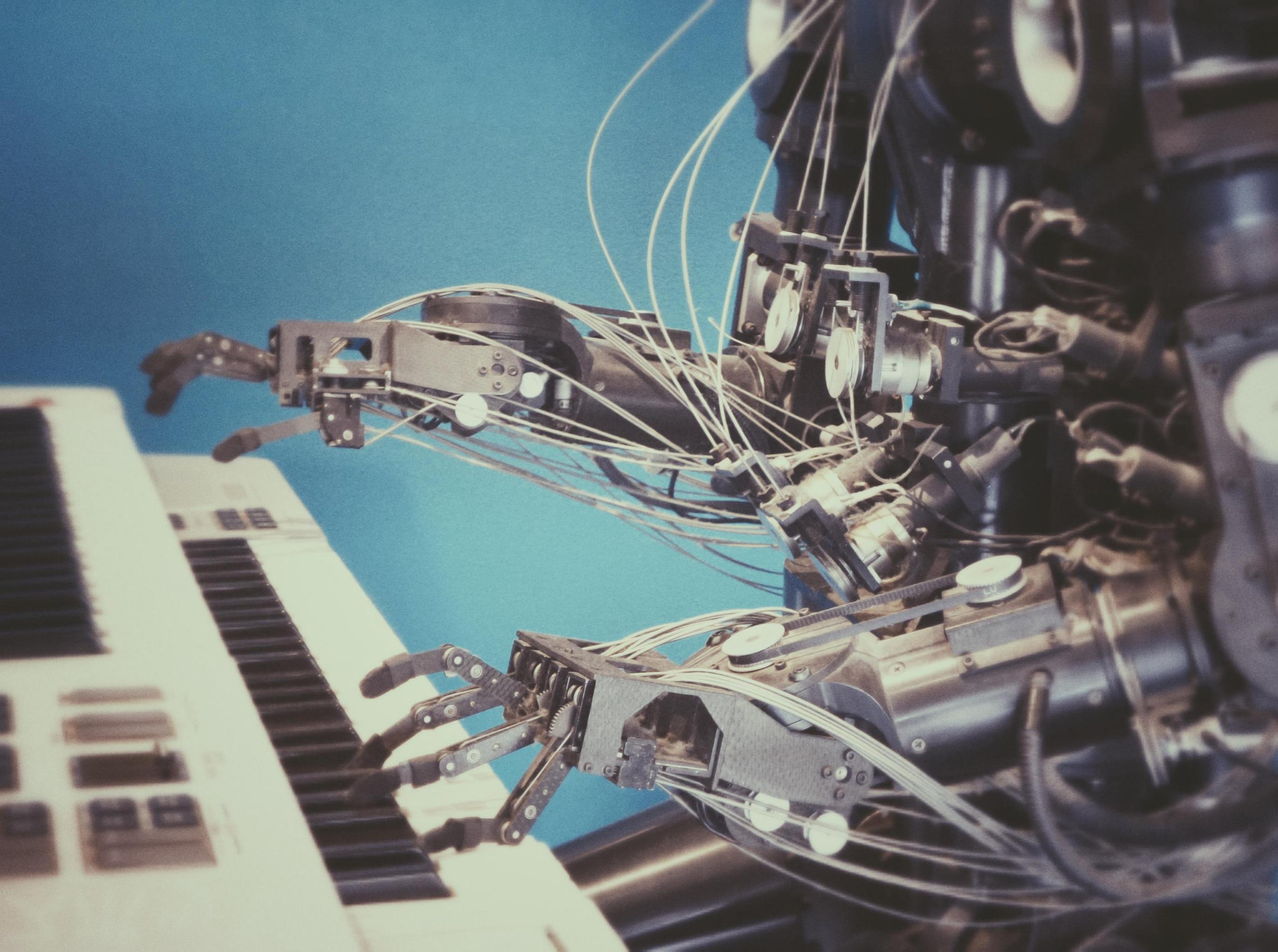
“I propose to consider the question, ‘Can machines think?’ ”

**Computing Machinery and Intelligence**

*Mind*, New Series, Vol. 59, No. 236. (Oct., 1950), pp. 433-460.

Cambridge and Princeton





“Our sole responsibility is to produce something smarter than we are; any problems beyond that are not ours to solve ...”

— Eliezer S. Yudkowsky, *Staring into the Singularity*, 1996