



#1 SKYTALKS – JAN 16TH 2019 – SILESIAN UNIVERSITY OF TECHNOLOGY, GLIWICE

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MITIGATING THE FEAR

of Artificial Intelligence

JAIR RIBEIRO



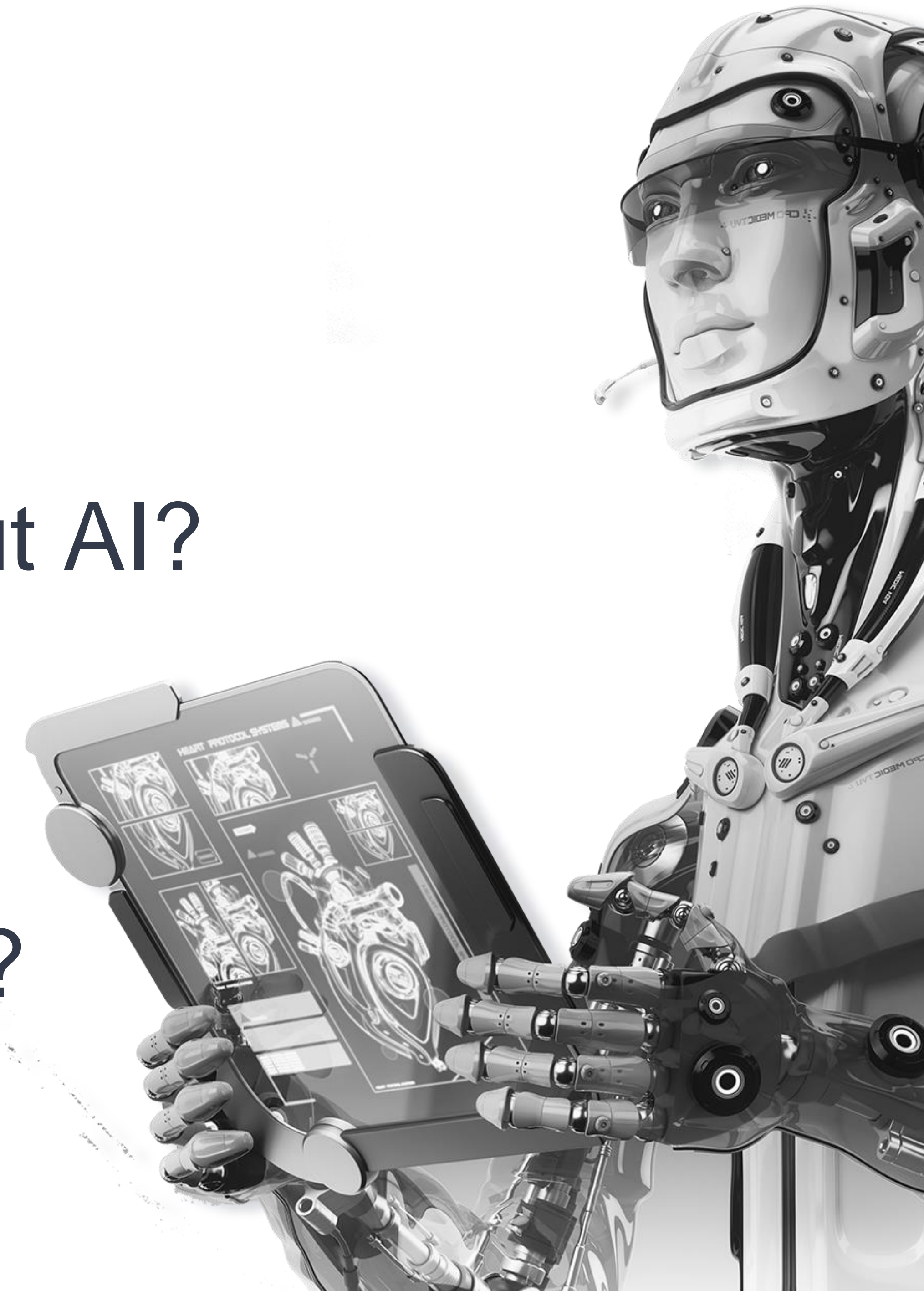
Politechnika Śląska

ul. Akademicka 16 · 44-100 Gliwice



AGENDA

- Introduction
- What scares us more about AI?
- AI Myths and Facts
- Why we Shouldn't Fear AI?
- Q&A





JAIR RIBEIRO

AI Senior Business Analyst/AI Strategist Volvo Group IT, Wroclaw



I am leading, inspiring and helping Volvo to innovate through the power of Artificial Intelligence, with a broad technical background and relevant experience in Design, Management, Consulting, and development of IT Solutions.

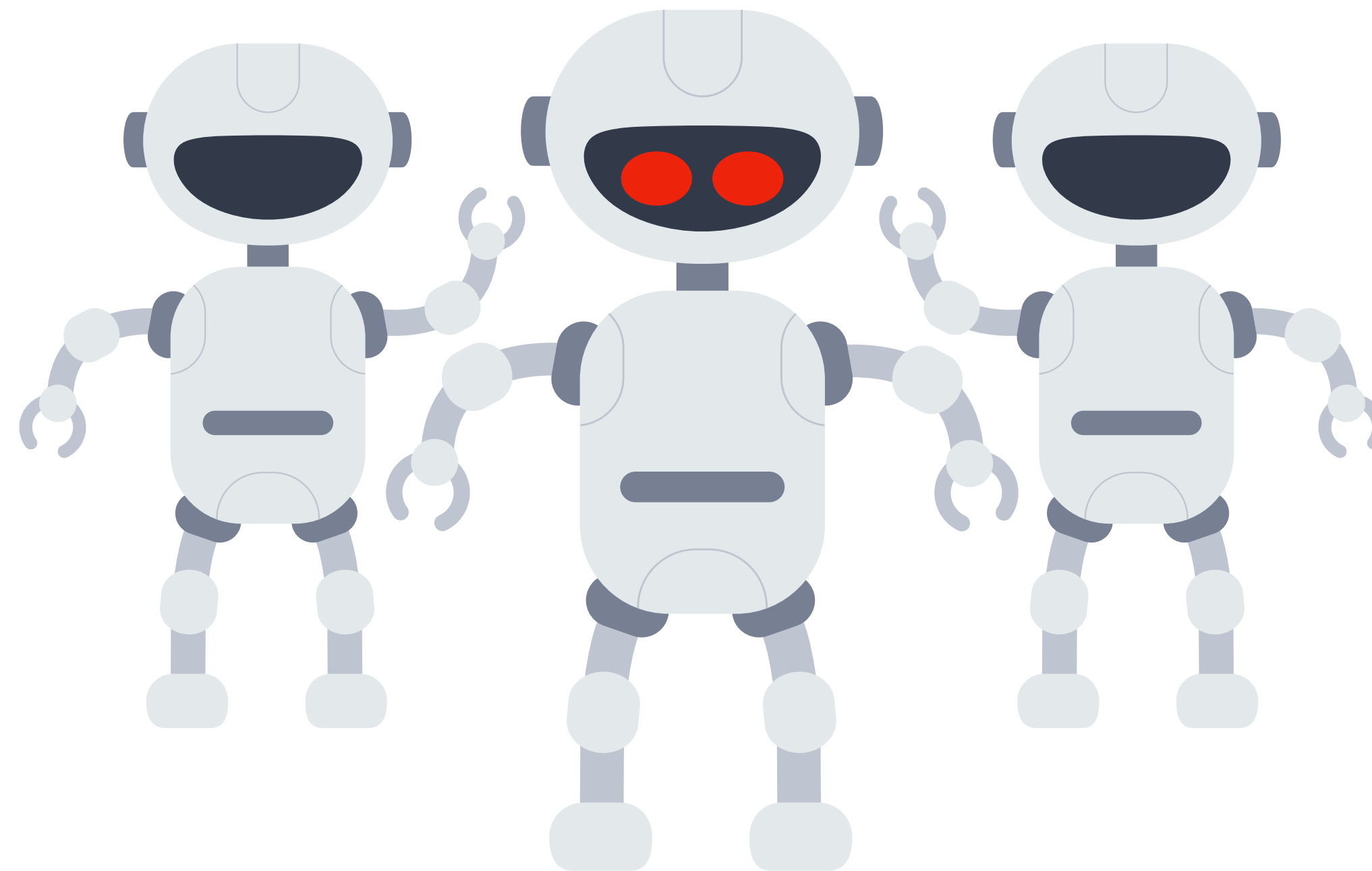


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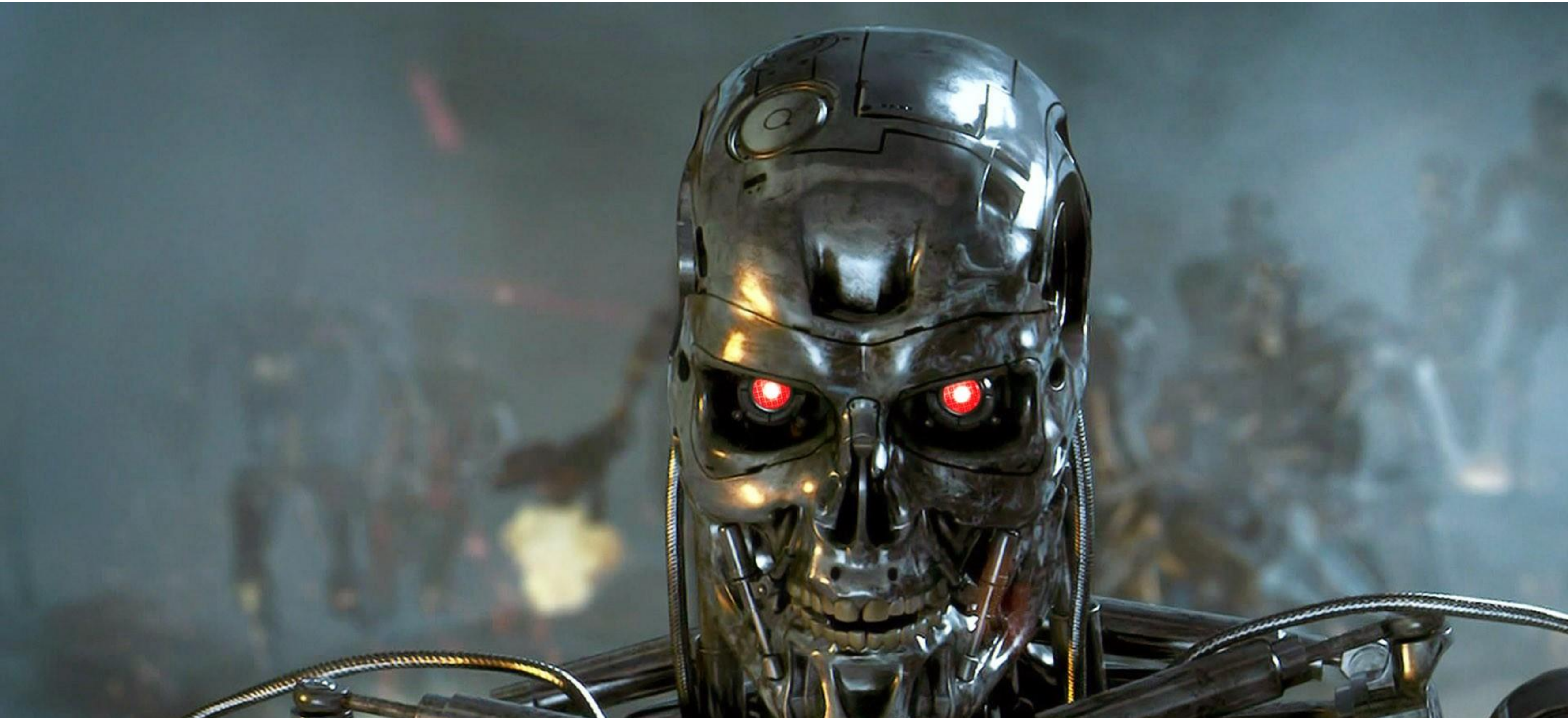
WHAT SCARES US MORE ABOUT AI?



Sophisticated AI could make the world a better place. It might let us fight cancer and improve healthcare around the world, or simply free us from the menial tasks that dominate our lives.

But some people are anxious about losing their jobs to a robot or line of code; others fear a robot uprising. Where's the line between fear-mongering and legitimate concern?

WHAT DO SCARE YOU MORE ABOUT AI?





DARKSIDE

10 Scary Facts About Artificial Intelligence



WHAT SCARES US MORE ABOUT AI?



AI CAN BE
USED TO
HURT PEOPLE

AI IS
DEVELOPING
TOO FAST

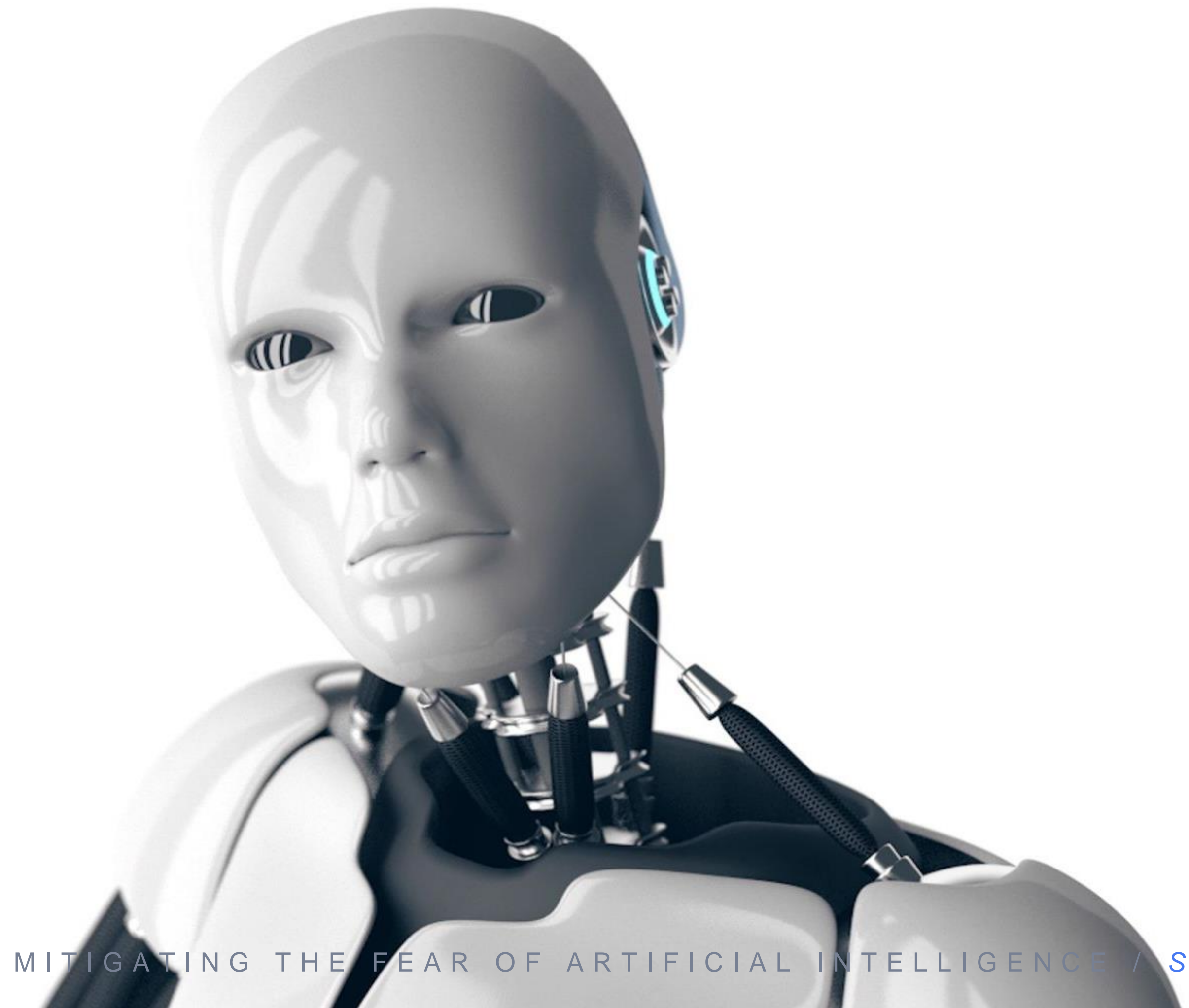
ARE WE
OVERSELLING
AI?

WHAT SCARES US MORE ABOUT AI?

AI CAN BE USED TO HURT PEOPLE

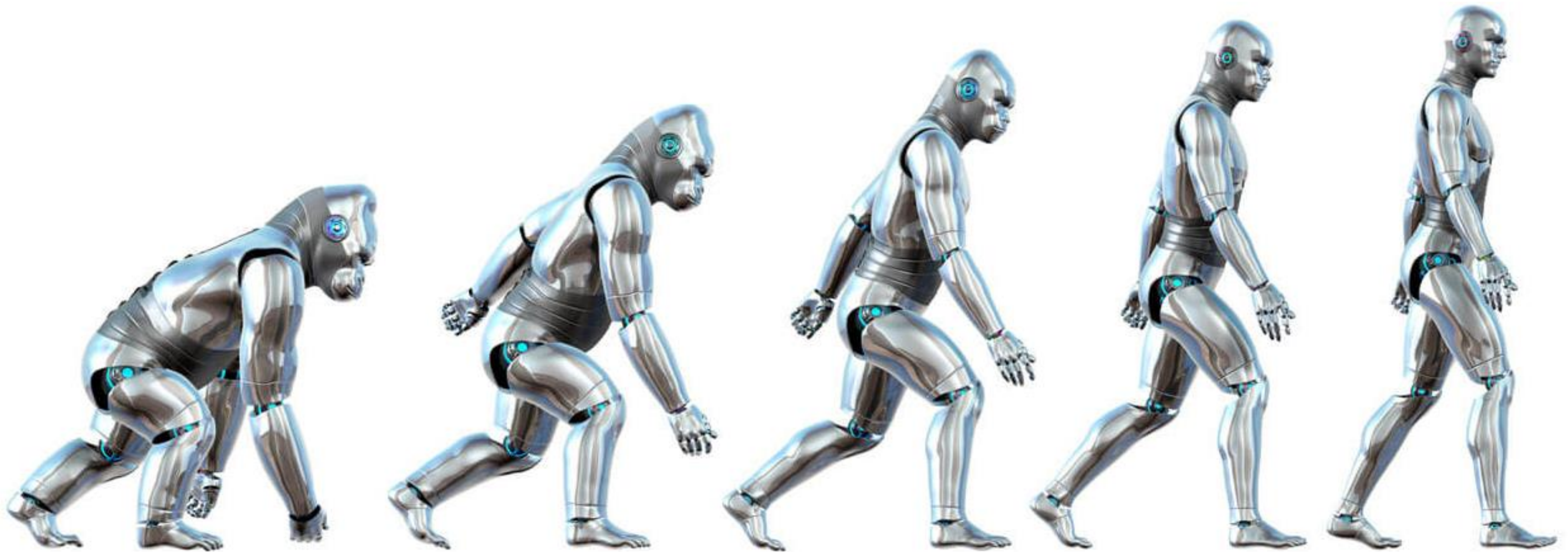
How to keep AI responsible?

How to develop safe AI?



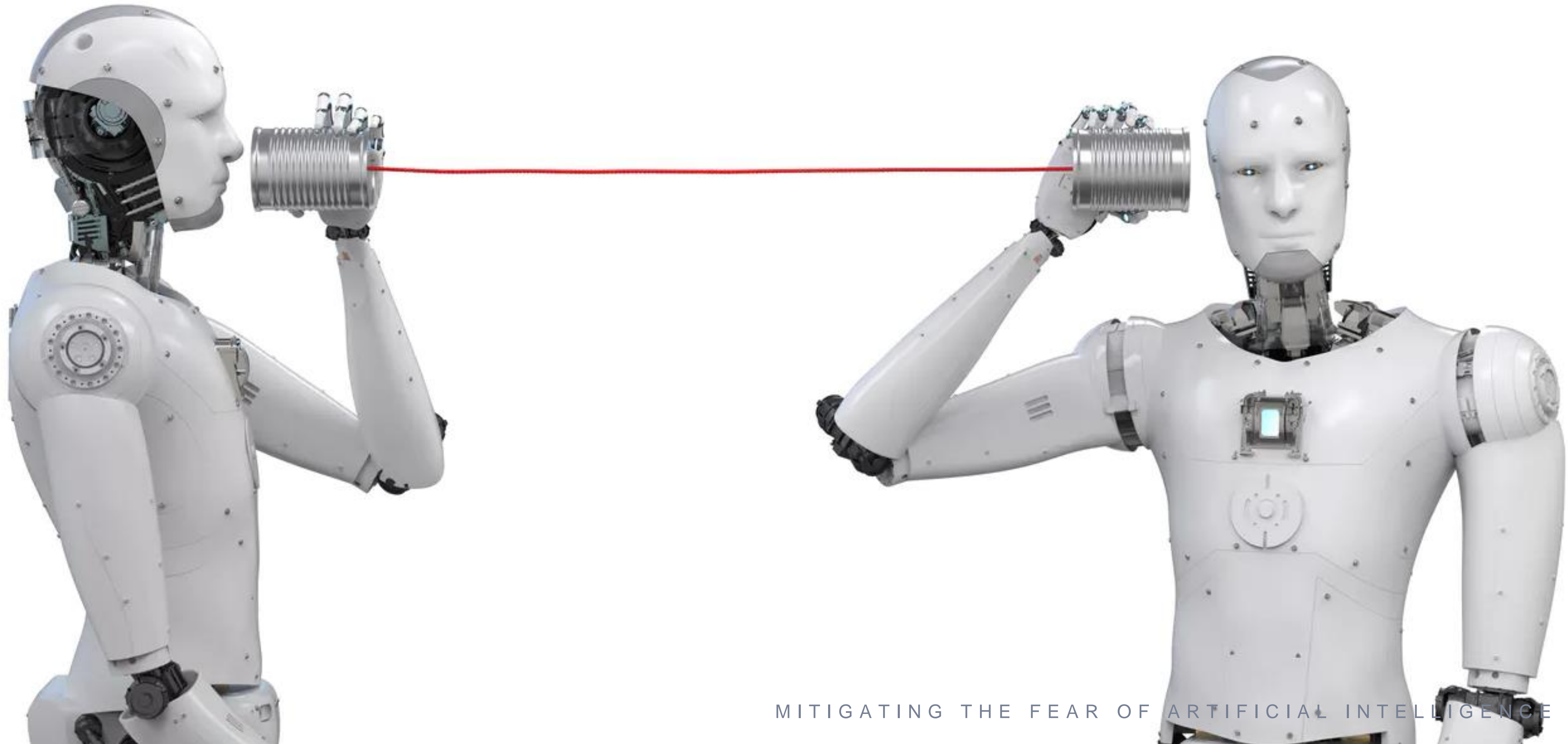
WHAT SCARES US MORE ABOUT AI?

AI IS DEVELOPING TOO FAST

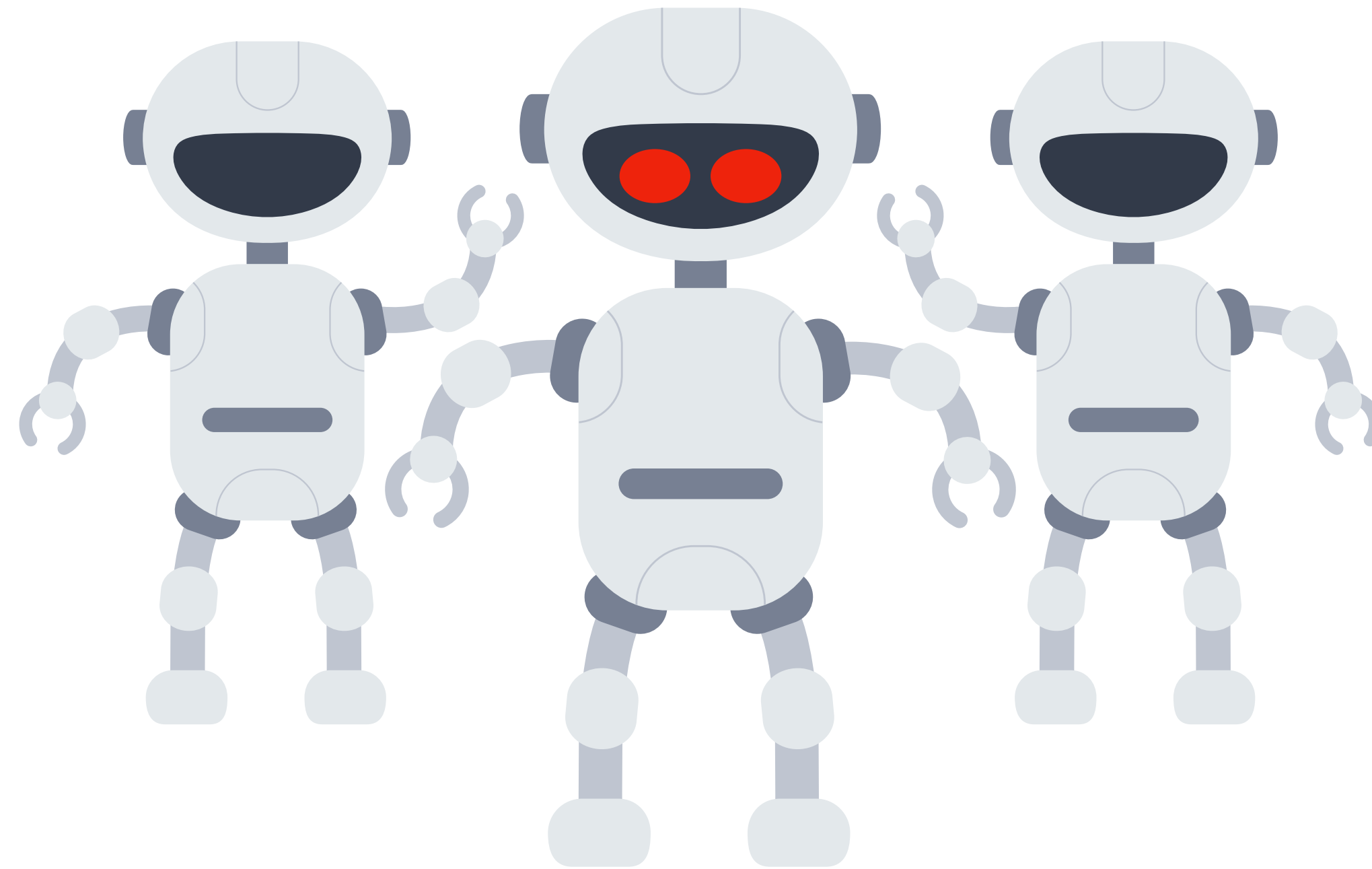


WHAT SCARES US MORE ABOUT AI?

SOME PEOPLE ARE OVERSELLING AI



MYTHS AND FACTS ABOUT AI



AI's future impact on the job market, human-level AI, intelligence explosion. Is this something we should welcome or fear?

AI MYTHS AND FACTS

TIMELINE MYTHS REGARDING AI

Myth:

Superintelligence
by 2100 is inevitable

Myth:

Superintelligence
by 2100 is impossible

Mon	Tue	Wed	Thr	Fri	Sat	Sun
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
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26	27	28	29	30		

Fact:

It may happen in
decades, centuries
or never: AI experts
disagree & we
simply don't know



AI MYTHS AND FACTS

TIMELINE MYTHS REGARDING AI

Mythical worry:

Superintelligence
is just years away



PANIC!

AI MYTHS AND FACTS

TIMELINE MYTHS REGARDING AI

Actual worry:

It's at least
decades away,
but it may take that
long to make it safe

An illustration of two hands, one on the left and one on the right, holding a light gray rectangular sign. The hands are depicted with dark sleeves and light-colored gloves. The sign has the words "PLAN" and "AHEAD!" in large, bold, black capital letters, stacked vertically.

**PLAN
AHEAD!**

AI MYTHS AND FACTS

CONTROVERSY MYTHS ABOUT AI

Myth:

Only Luddites
worry about AI



Fact:

Many top AI
researchers
are concerned



AI MYTHS AND FACTS

MYTHS ABOUT THE SUPERHUMAN AI

Mythical worry:

AI turning evil

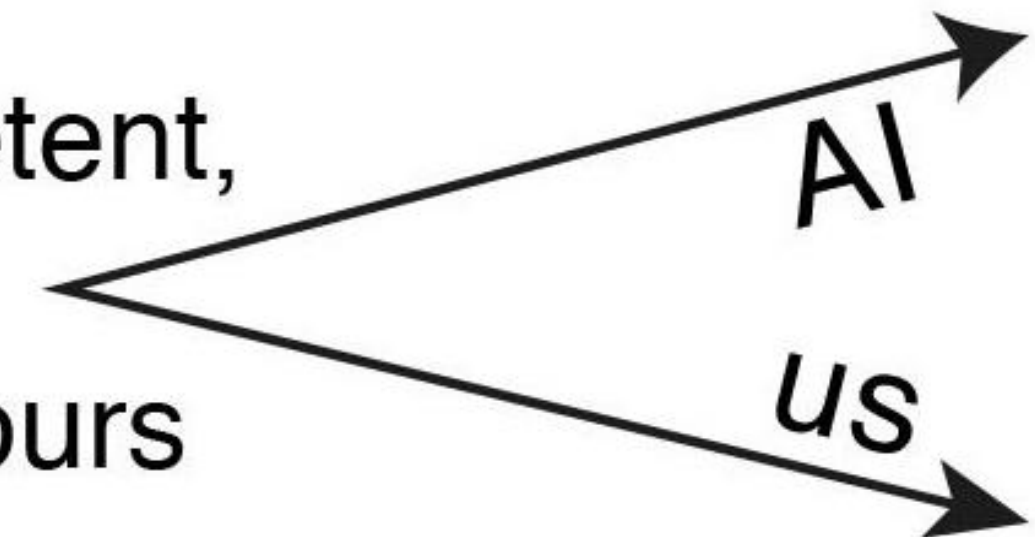
Mythical worry:

AI turning conscious



Actual worry:

AI turning competent,
with goals
misaligned with ours



AI MYTHS AND FACTS

MYTHS ABOUT THE SUPERHUMAN AI

Myth:

AI can't control humans



Fact:

Intelligence enables control: we control tigers by being smarter



AI MYTHS AND FACTS

MYTHS ABOUT THE SUPERHUMAN AI

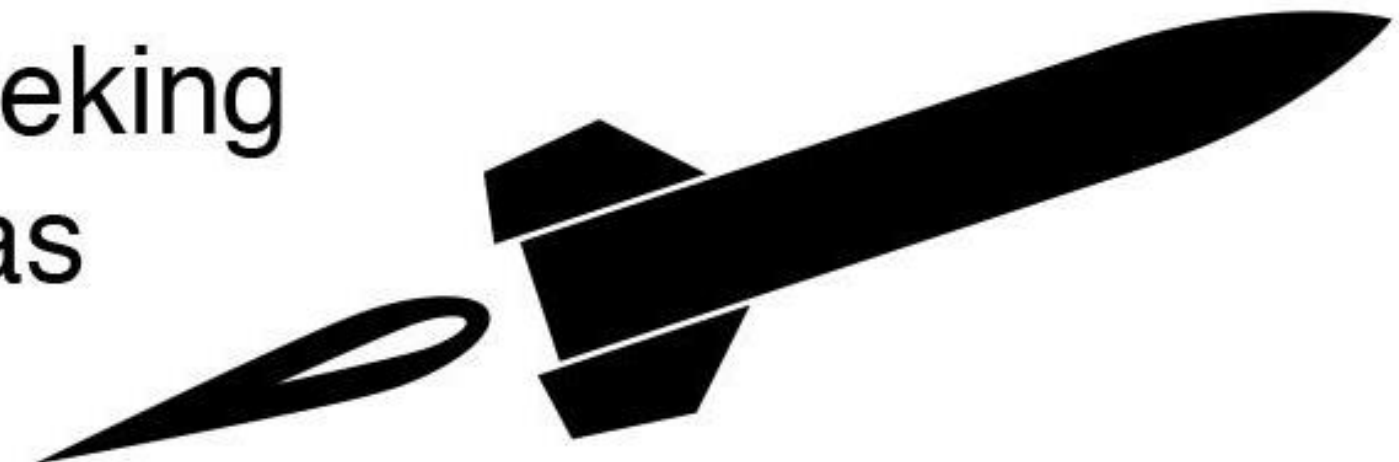
Myth:

Machines can't
have goals



Fact:

A heat-seeking
missile has
a goal

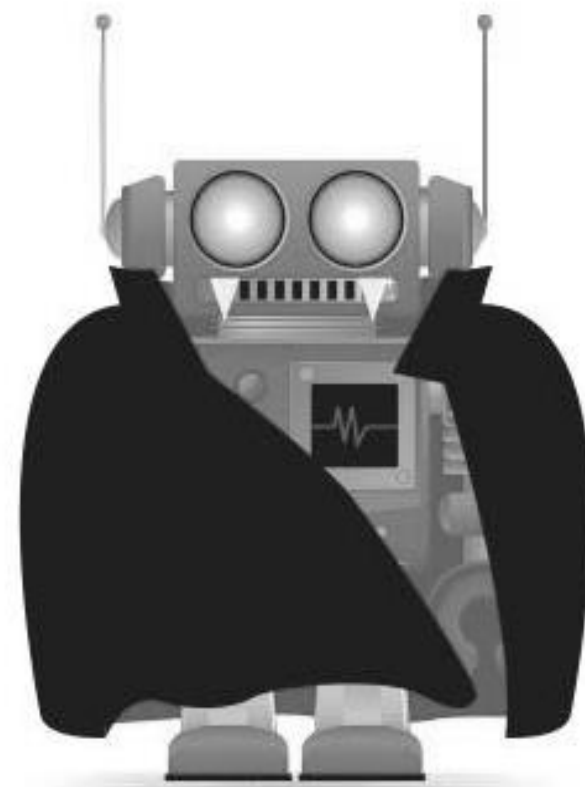


AI MYTHS AND FACTS

MYTHS ABOUT THE SUPERHUMAN AI

Myth:

Robots are the main concern

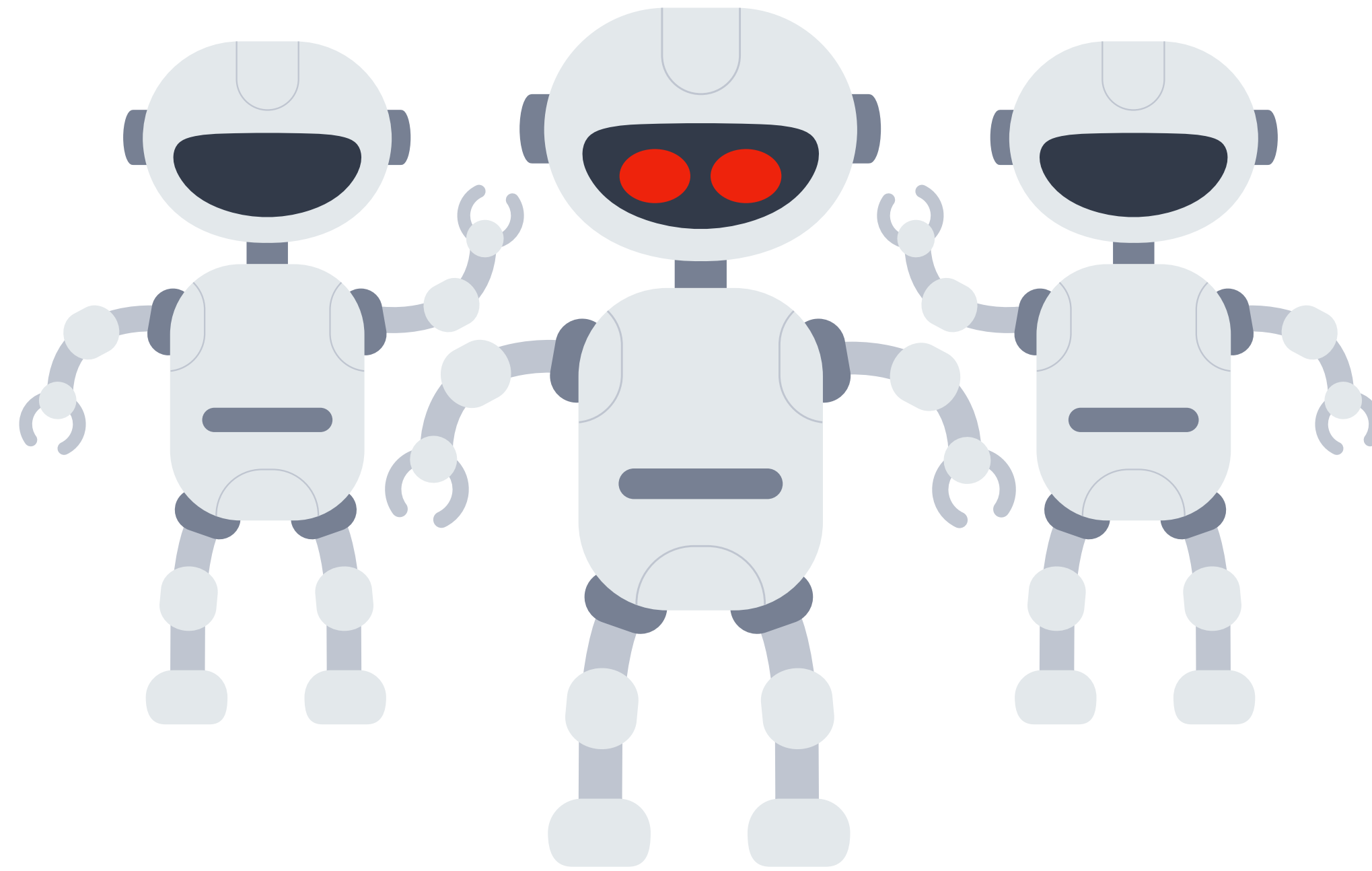


Fact:

Misaligned intelligence is the main concern: it needs no body, only an internet connection

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0	1	0	0	0	0	0	0
1	0	1	1	0	0	1	0
1	0	0	0	1	0	1	0

WHY WE SHOULDN'T FEAR AI?



A Hollywood styled human catastrophe is unlikely. Instead, AI will take us to a new era of human enlightenment.

WHY WE SHOULDN'T FEAR AI?



"AI can truly help solve some of the world's most vexing problems, from improving day-to-day communication to energy, climate, health care, transportation and more." - Lili Cheng, Corporate vice president of Microsoft AI & Research

QUESTION TIME



„AI is most useful not when it's off thinking and solving problems on its own, but when it's used as a tool to augment human problem-solving skills by thinking alongside them - to the point that he likes referring to AI as "augmented intelligence" instead.” Rob High, Vice President and Chief Technology Officer of IBM Watson

If you want to keep in contact or have more info about this topic, add me to your LinkedIn



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