



Artificial Intelligence

Blessing

or

Step Towards the

Extinction

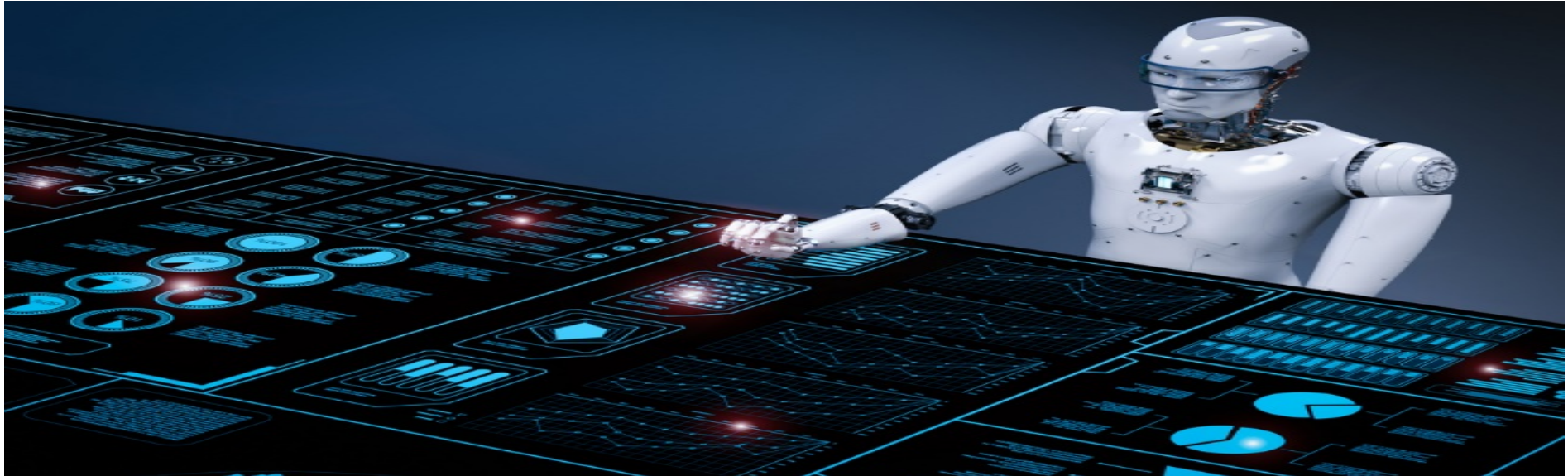
of Human Life

# We will discuss

- What is actually Intelligence?
- Is homo-sapiens really unique intelligent living in the Universe?
- Why we should worry about the coming world of Artificial Intelligence? (problem of mass unemployment)
- How can AI be dangerous?
- Is Artificial Intelligence likely to make humans extinct, or are we smart enough to control it?
- Whether we should develop A.I. at all?

# Uses of AI in our daily life

There is no doubt that Artificial Intelligence plays vital role in our life. It has the potential to eradicate **disease** and **poverty**, say world's top scientists, but researchers must not create something which cannot be controlled.



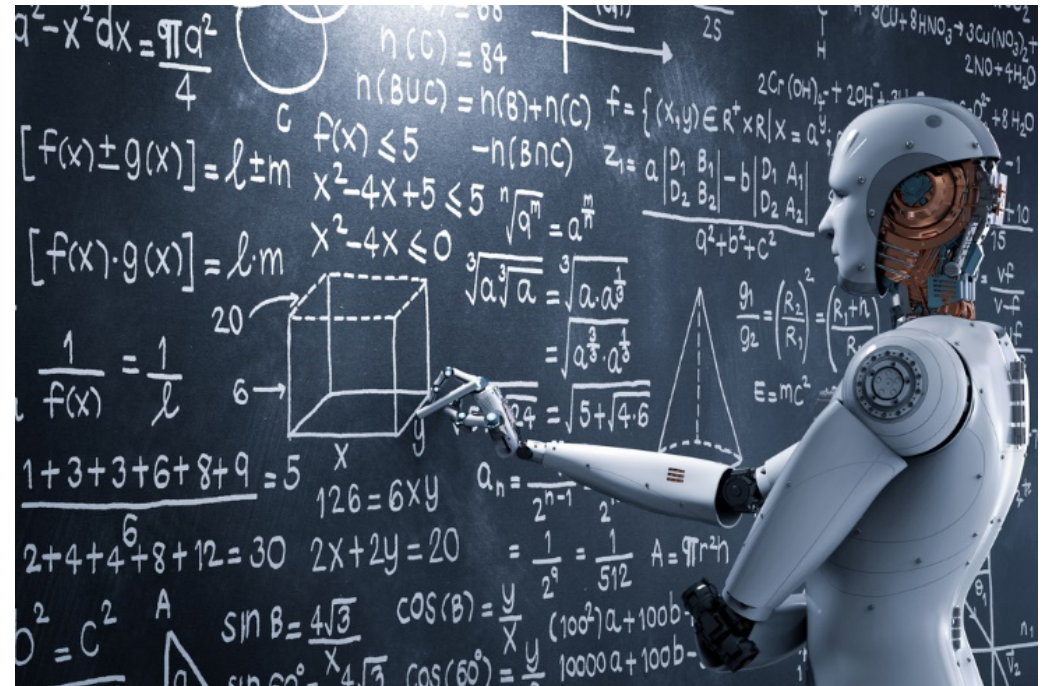
# Uses of AI

- **Virtual Personal Assistants**
- **Purchase Prediction**
- **Fraud Detection**
- **Music and Movie Recommendation Services**
- **Etc...**

Tim Urban, creator of the popular blog [Wait But Why](#), says all artificial intelligence can be separated into three bands. These are:

- **Artificial Narrow Intelligence (ANI)**, where a machine is programmed to have a particular expertise; (Face recognition, Self-Driving Car)
- **Artificial General Intelligence (AGI)**, is the intelligence of a machine that could successfully perform any intellectual task that a [human](#) being can and
- **Artificial Super Intelligence (ASI)**, where a machine's intellect surpasses that of the best human brains.

Can anyone imagine or tell that, what super intelligent machines look or act like?



Is AI a fundamental risk to the existence of human civilization?



# Experiment...

Lets try to perform the short experiment for the sake of better understanding the behavior of machines that what they will do when they will surpass human intelligence?

We randomly select a person, then exceeds his/her level of intelligence to the extreme position then what he would like to do first or in life with such super intelligent mind? Just put yourself in this position and try to imagine that if you were that person then what you do?



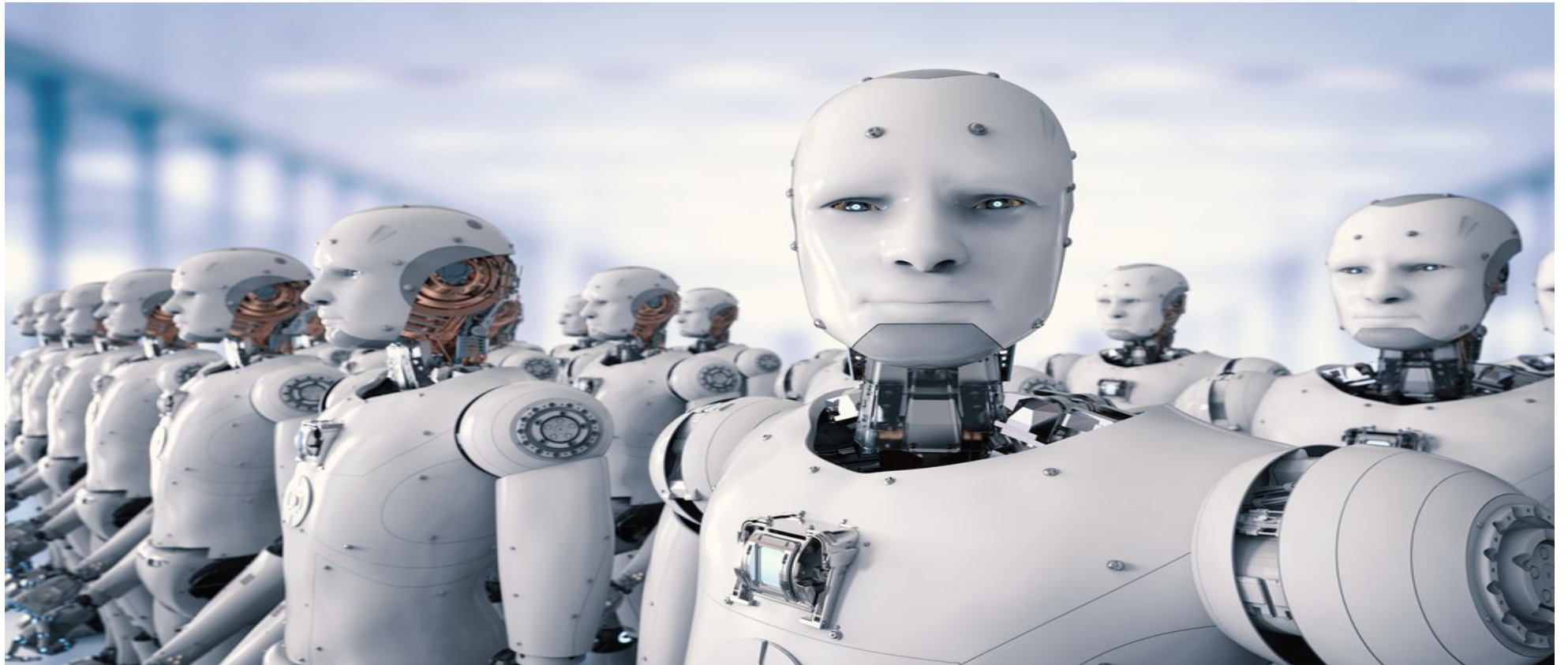


“AI may prove to be friendly, but if they treat us the way that we treat less intelligent creatures then we’re in a world of trouble.’



what do you think that

Artificial Intelligence really need arms and legs to make human life unpleasant?



“When the world ends, it may not be by fire or ice or an evil robot overload. Our demise may come at the hands of a superintelligence that just wants more paper clips”

Threats that could wipe out humankind, likely will not be a natural disaster.



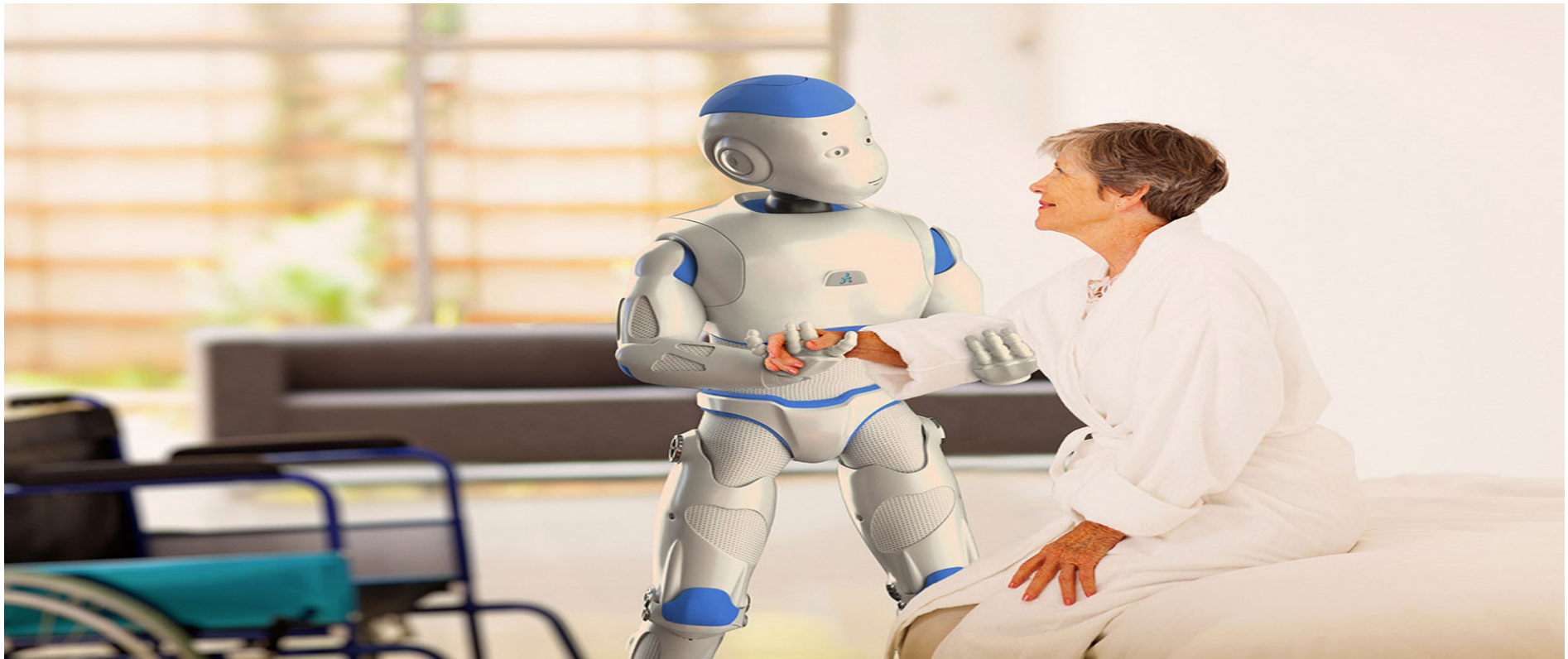
# The “three laws of robotics”

Introduced by Isaac Asimov in 1942:



1. A robot may not injure a human being or, through inaction,
2. Allow a human being to come to harm; a robot must obey the orders given it by human beings, except when such orders would conflict with the previous law; and
3. A robot must protect its own existence as long as such protection does not conflict with the previous two laws.

"Technology offers such amazing opportunities for making life better, but because it's so powerful, it comes with pitfalls. So it's really important to think in advance about what the pitfalls are?"

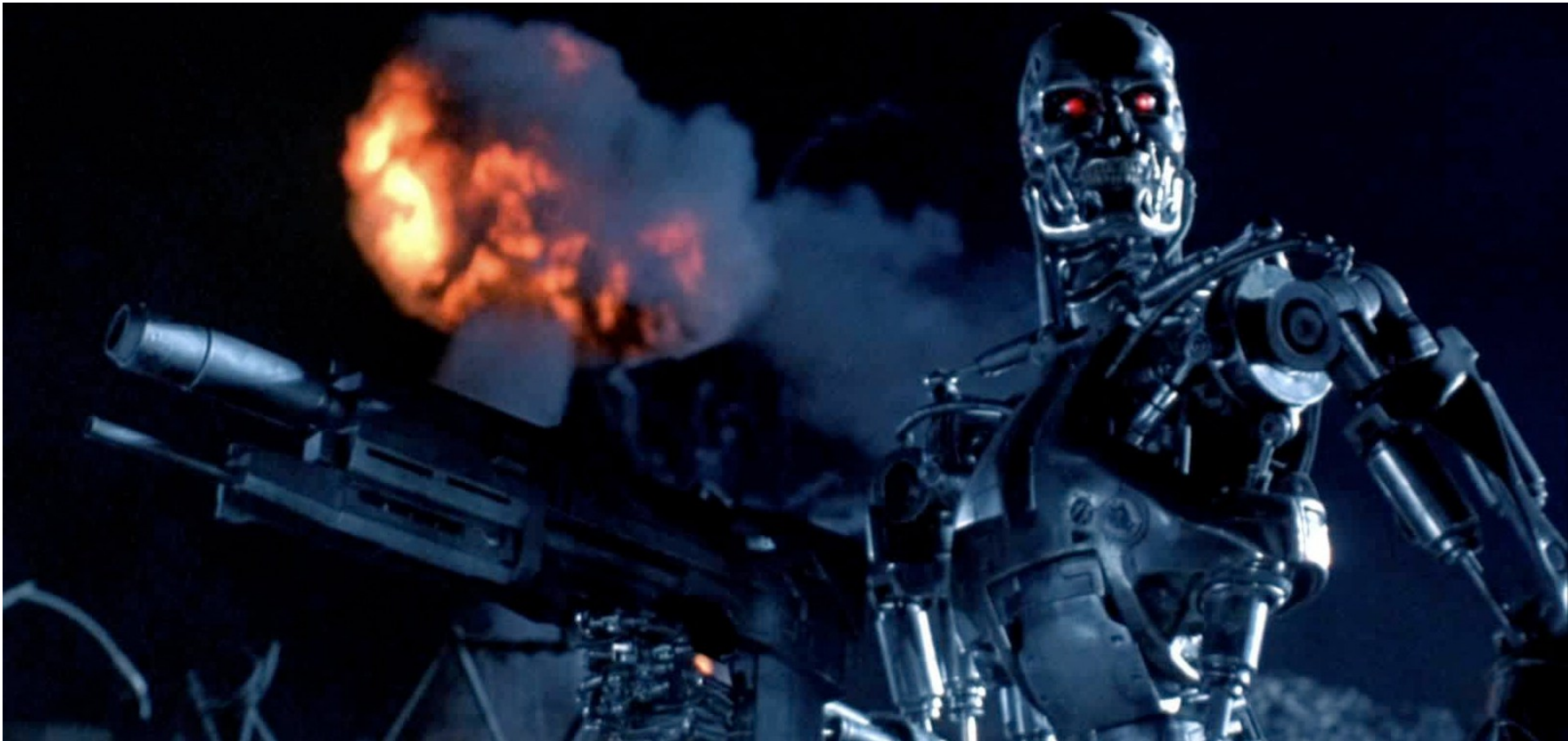


There is also another apocalyptic vision that the robots we create, may decide we are an obsolete model deserving “retirement”.

The truth, a more banal one, is that are we letting machine algorithms take over what were human decisions earlier, decision making of the governments, the businesses and even ours.



- The rise of the machines could ultimately lead to the downfall of humanity, it has been suggested, if it is not controlled properly.



# HOW CAN AI BE DANGEROUS?

Most researchers agree that a super-intelligent AI is unlikely to exhibit human emotions like love or hate, and that there is no reason to expect AI to become intentionally benevolent or malevolent. Instead, when considering how AI might become a risk, experts think two scenarios most likely:

- The AI is programmed to do something devastating
- The AI is programmed to do something beneficial, but it develops a destructive method for achieving its goal



Dozens of the world's top artificial intelligence experts have signed an [open letter calling for researchers to take care to avoid potential “pitfalls” of the disruptive technology.](#)

Those who have already signed the letter include Stephen Hawking, Elon Musk, the co-founders of DeepMind, Google's director of research Peter Norvig and Harvard professor of computer science David Parkes.



# Questions

- Is it possible to achieve superintelligence or make machines like human?
- To make machines intelligent like us, we need to study or focus on the mind-body problem. It is necessary because we trying to mimic and achieve the human intelligence in machines. It is actually cluster of philosophical issues that fall into three broad categories.
  - 1) Ontological problem
  - 2) Epistemological problem
  - 3) Semantic problem

- What sort of future do you want? Should we develop lethal autonomous weapons?
- What would you like to happen with job automation?
- What career advice would you give today's kids?
- Do you prefer new jobs replacing the old ones, or a jobless society where everyone enjoys a life of leisure and machine-produced wealth? Further down the road, would you like to create super-intelligent life and spread it through our cosmos?
- Will we control intelligent machines or will they control us?
- Will intelligent machines replace us, coexist with us, or merge with us?
- What will it mean to be human in the age of artificial intelligence?
- What would you like it to mean, and how can we make the future be that way?

# Present Robot Capability



# Challenges

- It becomes all the more important that an AI system does what you want it to do if it controls your car, your airplane, your pacemaker, your automated trading system or your power grid.
- Another short-term challenge is preventing a devastating [arms race in lethal autonomous weapons](#).

People now control the planet, not because we're the strongest, fastest or biggest, but because we're the smartest. If we're no longer the smartest, are we assured to remain in control?

# Conclusion

- Currently, where we are standing right now?
- How far we are away from achieving Human like intelligence? Whether it is possible or not? (creating neural network with the help of computers for accomplishing the picture of how human brain work?)
- Who knows how much time we have exactly or left behind? Will we be able to see even 21<sup>st</sup> century or nature will stop to working? (movie: geostrom, the core),(before Day of judgement)
- Is it Artificial Intelligence really a only threat for humankind to avoid or be proactive for its survival? (for instance: there are many other threats like climate changing(hole in ozone layer getting bigger and bigger), we have nothing to avoid asteroids,

# Resources

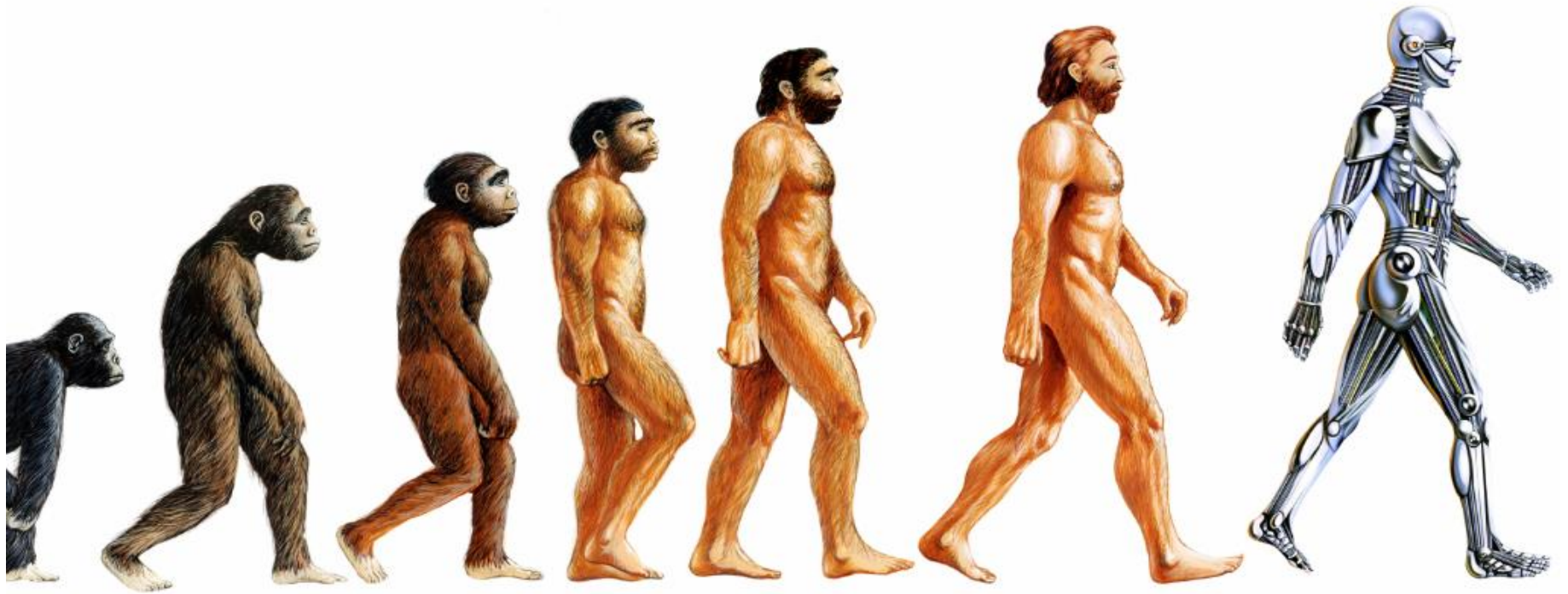
- Is artificial intelligence a threat? (By Angela Chen sept 11, 2014)
- Mind-body problem
- [ARTIFICIAL intelligence \(AI\) poses a threat to humanity's existence, according to a startling new report. \(By SEAN MARTIN \)](#)
- <https://newsclick.in/artificial-intelligence-and-threat-humanity>
- [The Rise of Artificial Intelligence and the Threat to our Human Rights](#)
- <http://www.telegraph.co.uk/technology/news/11269951/Four-ways-that-technology-could-destroy-mankind.html>
- [The Real Threat of artificial Intelligence](#)
- [How to Regulate Artificial Intelligence](#)

# Resources

- [Artificial Intelligence as a Threat](#)
- [Concerns of an Artificial Intelligence Pioneer](#)
- [Transcending Complacency on Superintelligent Machines](#)
- [Why We Should Think About the Threat of Artificial Intelligence](#)
- [Stephen Hawking Is Worried About Artificial Intelligence Wiping Out Humanity](#)
- [Artificial Intelligence could kill us all. Meet the man who takes that risk seriously](#)
- [Artificial Intelligence Poses 'Extinction Risk' To Humanity Says Oxford University's Stuart Armstrong](#)
- [What Happens When Artificial Intelligence Turns On Us?](#)
- [Can we build an artificial superintelligence that won't kill us?](#)
- [Artificial intelligence: Our final invention?](#)
- [Artificial intelligence: Can we keep it in the box?](#)
- [Science Friday: Christof Koch and Stuart Russell on Machine Intelligence \(transcript\)](#)
- [Transcendence: An AI Researcher Enjoys Watching His Own Execution](#)
- [Science Goes to the Movies: 'Transcendence'](#)



# Questions



Thanks for Attention!

