ETHICS OF ARTIFICIAL INTELLIGENCE

FRANÇOIS GOULETTE - MINES PARISTECH (ROBOTICS, 3D PERCEPTION)

AÏDA ELAMRANI – INSTITUT JEAN NICOD, ENS (PHILSOPHY OF AI)

OLIVIA TAMBOU – DAUPHINE (DIGITAL LAW)

SERGE ABITEBOUL - ENS, ACAD. SCIENCES (COMP. SCI., MANAGEMENT)

THIERRY POIBEAU – ENS, PRAIRIE (AUTOMATIC LANGAGE PROCESSING)

PROBLEMS EMERGING FROM THE USE OF AI

- Surveillance, facial recognition, geolocalisation

- Automation and work

- Assisted decision making (law, healthcare, …)

- Autonomous weapons and vehicules

- Virtual and Augmented Reality

- Misinformation

- Cryptocurrencies

- Cybercrime

- Algorithmic biases

- …
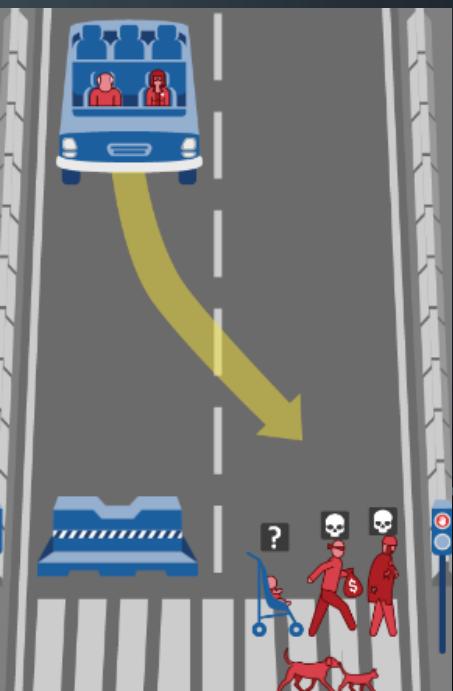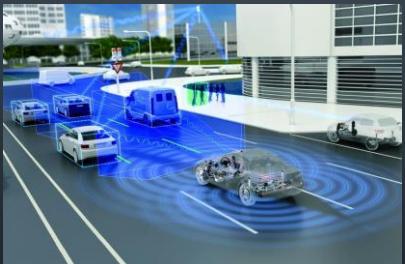
WHICH OUTCOME?

**Extinction threat**
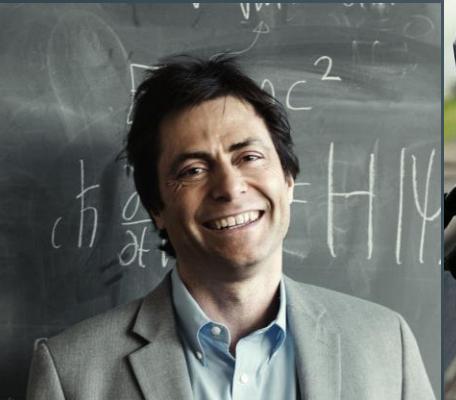
Max Tegmark   Stephen Hawking

Transhumanism

Ray Kurzweil   Nick Bostrom
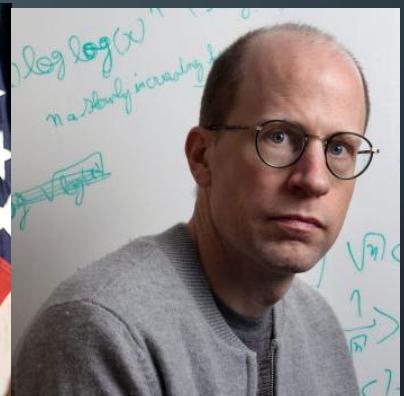
AIMS AND SCOPE

- Explain how and why the digital revolution is challenging our moral values

- Provide technical and theoretical knowledge about the ethics of A.I., from several perspectives

  - Computer Science

  - Law

  - Philosophy

  - Industry

- Enhance your analytical skills

OVERVIEW OF THE COURSE

- **Courses :**
  - Challenges of the digital revolution; epistemology and moral philosophy ; digital law ; explainability ; biases ; responsibility ; social media ;
  - Conferences : autonomous véhicules, assisted decision in healthcare, …

- **Evaluation : projects (collaborative work among groups of students)**
  - Case studies, for instance : autopilot (Tesla) ; Virtual Reality (Oculus Quest 2) ; Facial recognition (Megvii)…
  - Aim : analyse the ethical problems raised by your case study ; provide some solutions (technical, philosophical, legal)
  - Output : small report, short talk

- **PSL WEEK, 22-26 November 2021, U. Paris Dauphine**
  - Priority to IASD students (option)
  - Open to all, but limited seats

Website : http://caor-mines-paristech.fr/fr/cours-eia/