

ETHICS

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OUTLINE

- Responsibility: What are the responsibilities of engineers?
- Risk: What risks are worth taking?
- Sustainability: What is the basis for striving for sustainability?
- Ethical theory: What defines right and wrong?

- Better at what you do: identifying value conflicts
- Better understanding of what you do: analyzing value conflicts

- Better explaining what you do: working with others

ETHICS, RATIONALITY AND COMPUTER SCIENCE

- “A rational agent is one that does the right thing.”(Russell & Norvig. p. 36)
- The definition of a rational agent: “For each possible percept sequence, a rational agent should select an action that is expected to maximize its performance measure, given the evidence provided by the percept sequence and whatever built in knowledge the agent has.” (p. 37).
- Ethics: the scientific study of “the right thing”
 - Impartiality
- Normative theory: Utilitarianism, deontology, virtue theory
- Applied Ethics: Using normative theory to try to solve practical problems
 - Professional ethics, sustainability, business ethics
 - HLEG etc.

MY BACKGROUND

- Teaching
 - Engineers: Biomedicine, flight, forestry, media technology, construction
 - Topics: risk, responsibility, and sustainability, as well as health care, business ethics, AI, gambling and archeology
- Research
 - Applied political philosophy: the workplace and school
 - Risk and fairness, Bitcoin and AI

ETHICS PARTS OF THE COURSE

- Lectures: Moral agency and moral responsibility and Contextualized Responsibility
 - Introduces responsibility, ethical theory, and applied ethics based partly through EU's Trustworthy AI framework
 - Discusses how value conflicts can be disclosed, analysed and resolved in a principled manner
- Seminar: Moral responsibility in a globalized society
 - Discussion of your topics
- Sustainability: Dilemma and Fishbanks
 - Normative choice
- Language
 - A very important tool