

ARTIFICIAL INTELLIGENCE, ETHICS AND HUMAN RIGHTS

The Fourth Industrial Revolution is led by the unrelenting advance of artificial intelligence (AI) in almost all walks of public and private life. Technology developers, decision makers and stakeholders should all be aware of the opportunities and risks of the implementation of AI and analyse the situation from the viewpoint of human rights. Design ethics advocates the adoption of ethical principles throughout all the stages of technology design, development and implementation. Accessibility is one example where ethics, human rights and AI can play a key role in building a society that leaves no-one behind. This course combines theory and practice, providing specific tools for analysing AI digital systems design, development and implementation ethics.

➤ **ECTS credits: 2**

➤ **Dates: 20-24 June 2022**

■ Recommended background knowledge for students:

- Students from AI-related technological backgrounds will be given priority

Meet Our SPEAKERS

AI Ethics Basics

Celia Fernandez associate professor in Law and Ethics at the UPM and Spanish digital rights bill rapporteur.

Txetxu Ausín Díez Senior Scientist at the Institute of Philosophy of the CSIC, Madrid, Spain where he directs the Applied Ethics Group (GEA).

Victor Rodríguez Doncel - associate professor at the School of Computer Engineering, member of the Ontology Engineering Group and member of the W3C ODRL (Open Digital Rights Language) community group.

Hannah Bleher is a research associate at the Chair for Systematic Theology II (Ethics) at the Friedrich-Alexander University of Erlangen-Nuremberg.

Jesús Salgado - Professor at UPM and member of the ethics and digital revolution research line at the Innovation and Technology for Development Centre (itdUPM).

Political & Legal Perspectives

Maximilian Kiener. University of Oxford, Research Fellow on the project Roots of Responsibility.

Matthias Braun. Director of young research group ethics and governance of emerging technologies at Friedrich-Alexander University of Erlangen-Nuremberg.

Raquel de Jorge. Sociologist and Political Scientist working as a Policy Analyst in Technology, Digital and Cyber Policy at the Real Instituto Elcano.

Anna Jobin, Senior Researcher in the Alexander von Humboldt Institute for Internet and Society and Member of the Ethics Working Group of the Association of Internet Researchers.

Eva Maria Hille Research Assistant at the young research group Ethics and Governance of Emerging Technologies at Friedrich-Alexander-Universität Erlangen-Nürnberg.

LEARNING OUTCOMES

■ Recognize

Importance of non-technical (societal, ethical and legal considerations)



AI

■ Understand

Local, national and global challenges and conflicts



AI sustainability

■ Be aware

Non-technical (societal, ethical and legal considerations)



AI

■ Experience

Sense of belonging, value and responsibility sharing



Human rights

SYLLABUS

MODULES

01

Basic concepts of Artificial Intelligence: technological aspects, fields of application, degree of implementation of the technology

02

Introduction to ethics in its AI-related dimensions

03

Opportunities (health, education, justice, social work, public administration, etc) and risks (biases, privacy, lack of governance, robot liability, other impacts on rights, lack of ethical guidance)

04

An ethics based on human rights: principles and their realization in AI

05

Methodologies for the ethical assessment of AI projects (practical session 3-4 hours). Students learn how to do a self-assessment of AI projects following a participatory approach (AI Ethics Canvas, Ethical foresight analysis).

Industry & Civil Society Perspectives

Jess Morley member of the Digital Ethics Lab and policy lead for Oxford's DataLab.

Patrik Hummel Assistant Professor in the Philosophy & Ethics Group at Eindhoven University of Technology.

Matheus Tait managing director at THOUGHTWORKS, Spain.

Sergio D'Antonio Maceiras professor at UPM's Department of Software Systems. Member of the UCM Digital Culture and Social Movements research group.

Stina Lohmüller "Culture, Arts and Media" Program member at Leuphana University.