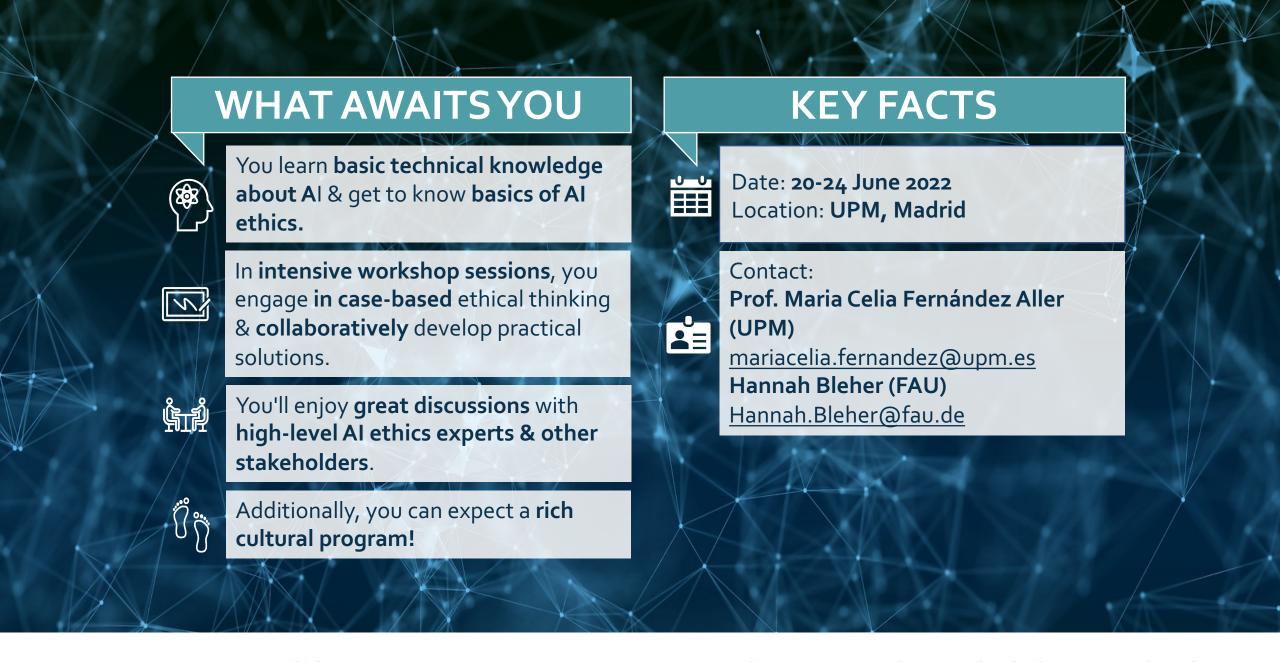# EELISA

European University

Get a taste of **current debates on AI Ethics** at an international level – with the chance to try out **interdisciplinary scientific work in a European setting**!

SUMMER SCHOOL "ARTIFICIAL INTELLIGENCE, ETHICS & HUMAN RIGHTS"

Madrid | June 20-24, 2022

UNIVERSIDAD POLITÉCNICA DE MADRID

FAU Friedrich-Alexander-Universität Erlangen-Nürnberg

Sant'Anna Scuola Universitaria Superiore Pisa

WHAT AWAITS YOU

You learn **basic technical knowledge about A**I & get to know **basics of AI ethics.**

In **intensive workshop sessions**, you engage **in case-based** ethical thinking & **collaboratively** develop practical solutions.

You'll enjoy **great discussions** with **high-level AI ethics experts & other stakeholders**.

Additionally, you can expect a **rich cultural program!**

KEY FACTS

Date: **20-24 June 2022**
Location: **UPM, Madrid**

Contact:
Prof. Maria Celia Fernández Aller (UPM)
mariacelia.fernandez@upm.es
Hannah Bleher (FAU)
Hannah.Bleher@fau.de

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PROGRAM

Monday 20/06/22 ARRIVAL / WELCOMING	Tuesday 21/06/22 AI ETHICS BASICS	Wednesday 22/06/22 POLITICAL & LEGAL PERSPECTIVES	Thursday 23/06/22 PRACTICE & CIVIL SOCIETY	Friday 24/06/22 PERSPECTIVES / GOODBYE
Arrival of student groups	*Morning Session 10-11:30 am* **TECHNICAL AI BASICS** Jesús Salgado Criado (UPM) **DIFFERENT METHODS & APPROACHES OF AI ETHICS** Hannah Bleher & Eva Maria Hille (FAU) *Noon Session 12-1:30 pm* **A HUMAN RIGHTS APPROACH TO AI** Maria Celia Fernandez Aller & Txetxu Ausín Díez (Spanish National Research Council – CSIC) *Afternoon Session 4-6 pm* **HACKATHON** Case-based Working Session	*Morning Session 10-11:30 am* **HACKATHON** Case-based Working Session *Noon Session 12-1:30 pm* **RESPONSIBILITY & CONSENT** Maximilian Kiener (University of Oxford) **DANCING ON MY OWN?! ON THE RELATION OF MORAL CONSENT AND MORAL RESPONSIBILITY** Matthias Braun (FAU) *Afternoon Session 4-6 pm* **GEOPOLITICS** Raquel de Jorge (UPM) **PRINCIPLES IN ETHICS GUIDELINES & POLICY PERSPECTIVES** Anna Jobin (Alexander von Humboldt Institute for Internet & Society)	*Morning Session 10-11:30 am* **FROM WHAT TO HOW – BRINGING AI ETHICS INTO PRACTICE** Jessica Morley (Oxford Internet Institute) **PRINCIPLES IN PRACTICE** Patrik Hummel (Eindhoven University) *Noon Session 12-1:30 pm* **AI FOR THE COMMON GOOD** PANEL DEBATE with Stina Lohmüller (iRIghtsLab) & Matheus Tait (Thoughtworks) *Afternoon Session 4-6 pm* **HACKATHON** Case-based Working Session	*Morning Session 10-11:30 am* **HACKATHON** Case-based Working Session *Noon Session 12-1:30 pm* **HACKATHON** Final Presentations *Afternoon Session 4-6 pm* **HACKATHON** Final Presentation **FEEDBACK SESSION**
Evening Program **WELCOME DINNER** Dancing Chairs	*Evening Program* **CULTURAL EVENT** Tablao Flamenco	*Evening Program* **FREE TIME**	*Evening Program* **CULTURAL EVENT** Museum	*Evening Program* **CLOSING DINNER**

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KEYNOTES

TECHNICAL AI BASICS

What is AI and in what domains does it find application? Within this talk the technological basics and the methodology of so-called artificial intelligence will be explained. The transformation potential of AI applications will be highlighted, while an overview of ethical, social, legal and political issues will be given.

Jesús Salgado Criado

Associate Professor at Department of Organisational Engineering, Business Administration & Statistics, UPM

A HUMAN RIGHTS APPROACH TO AI

Different guidelines at European, international, national and industry levels provide different principles for AI. But could or should global AI governance not be guided by a common ground, for example the human rights? What this implies and can achieve, but also what challenges or conflicts arise, will be discussed in this keynote by means of a human rights approach to AI.

Hannah Bleher
Young Researchers Group "Ethics and Governance of Emerging Technologies", SMART Start, FAU

Eva Maria Hille
Young Researchers Group "Ethics and Governance of Emerging Technologies", Empkins (SFB 1483), FAU

DIFFERENT METHODS & CONCEPTS OF AI ETHICS

In the field of AI ethics, there are different approaches to how ethical theory can be put into practice. Each conceptual approach focuses differently on how to avoid a theory-practice gap and instead interweave both theory and practice. These different foci, such as a design-, principles- or stakeholder-orientation, however, have benefits and shortcomings. In this contribution, we provide an overview of current approaches of applied AI ethics and their opportunities and pitfalls. In addition to a systematization of conceptual approaches, specific aspects and methodological approaches are put up for discussion in order to interweave theory and practice of AI ethics

Maria Celía Fernandez Aller
Associate Professor in Law and Ethics, UPM

Txetxu Ausín Díez
Institute of Philosophy of the Spanish National Research Council – CSIC

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KEYNOTES

RESPONSIBILITY & CONSENT

In numerous countries, the age at which adolescents (or even children) can be criminally responsible for their conduct is about 2 to 8 years lower than the age at which they are able to consent to their own healthcare. In this presentation, I want to determine whether these diverging age thresholds can be justified. But instead of just focusing on the law, namely on *legally* valid consent and *criminal* responsibility. I will pursuer a moral inquiry, analysing the conditions of *morally* valid consent and the conditions of *moral* responsibility.

Maximilian Kiener
Philosopher, University of Oxford, Leverhulme Early Career Fellow

DANCING ON MY OWN?! ON THE RELATION OF MORAL CONSENT & MORAL RESPONSIBILITY

In my talk, I will address Max Kiener's reflections on the relationship between moral consent and moral responsibility in two ways: In a first step, I will show that the conditions for consent and responsibility cannot be determined by individual characteristics alone, but always include elements of surrogate attribution. In a second step, I will consider what follows from these considerations for a responsible approach to artificial intelligence.

Matthias Braun
Interim Chair at the Department of Ethics at the University Bonn;
Young Researchers Group Leader "Ethics and Governance of Emerging Technologies" at FAU;
Visiting Scholar at University of Oxford

GEOPOLITICS

Artificial Intelligence is often seen as an axis of global power between China and the United States, and also the European Union. Politics, economics and society permeate to make these countries global leaders, be it in rivalry or competition, or in global cooperation. One issue, however, is less often discussed: the geopolitics of AI in the rest of the world, more specifically in the countries of the so-called Global South – such as the African continent and Latin America or the Caribbean. Both developing countries and middle powers - be it Spain, Japan or Canada - play an essential role in global geopolitics, which does not refer to abstract or high-level conceptions only, but rather calls for grounded, operational and executive actions.

Raquel Jorge Ricart
Sociologist & Political Scientist at Elcano Royal Institute

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KEYNOTES

Anna Jobin
Senior Researcher at the Alexander von Humboldt Institute for Internet & Society, Berlin; Inaugural Member of the Swiss Young Academy

PRINCIPLES IN PRACTICE

Contributions to the AI ethics discourse often refer to ethical *principles*. In recent years, an increasing number of guidance documents for the implementation and operationalization of these principles of AI ethics have been published. In this presentation, I examine opportunities and pitfalls when translating principles into concrete design requirements for AI systems.

Patrik Hummel
Assistant Professor, University of Eindhoven

PRINCIPLES IN ETHICS GUIDELINES & POLICY PERSPECTIVES

As the governance of artificial intelligence has become a high-profile issue, initiatives to make AI more "ethical" abound. The breadth and variety of organizations that have been involved in notably soft law efforts indicate that the desire for "ethical AI" is not a sectorial concern but shared across borders and domains. AI ethics guidelines in particular signal an apparent agreement over principles, yet they also surface divergent perspectives and important policy challenges.

FROM WHAT TO HOW – BRINGING AI ETHICS INTO PRACTICE

Ethics discussions on the potential benefits and impacts of AI applications on society have become mainstream. These debates have primarily focused on the principles - the "what" – of AI ethics. Which can be seen, for example, in formulating certain principles, such as beneficence, non-harming, autonomy, justice and explicability. Less focus is given to practices, the "how". Awareness of the potential problems is growing rapidly, but the AI community's ability to take action to mitigate the associated risks is still in its infancy. This keynote aims to provide an overview of how the 'what' and the "how" can be connected in a very practical way when developing machine learning techniques.

Jess Morley
Policy Lead, Bennett Institute for Applied Data Science; DPhil Candidate, Oxford Internet Institute, University of Oxford

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HACKATHON
Case-based Working Sessions

In **intensive workshop sessions**, you engage **in case-based** ethical thinking & **collaboratively** develop practical solutions.

You develop **interdisciplinary ethical solutions** for a specific AI application.

You become an **expert in a specific field of AI**.

Your solution shall inspire others: In a **short video** you **publish your collaborative work online**.

LET'S GET STARTED!

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KEYNOTE SPEAKERS

Maria Celía Fernández Aller has been associate professor in Law and Ethics at the UPM since 1998. She holds a PhD in Law and Technology. Her research interests include interdisciplinary studies on human rights based approaches, data protection and legal implications of Big Data, Artificial Intelligence and the Internet of Things.

Hannah Bleher is a research assistant in the young researchers group "Ethics and Governance of Emerging Technologies". In the interdisciplinary project SMART Start – "Smart Sensors in Pregnancy", funded by the Federal Ministry of Health, she is researching ethical aspects of digitalization in the medical context and the clinical application of AI-driven technologies. In her dissertation she focuses on political science approaches to public discourse, its forms, structures and potentials from a theological-ethical perspective.

Matthias Braun is interim chair of the "department of ethics" at the University Bonn as well as leader of the young researchers group "Ethics and Governance of Emerging Technologies" at FAU. Currently he is also a visiting scholar at Oxford University. Before he has conducted research at Maastricht University and at the University of Bergen. His research addresses ethical and governance challenges of emerging technologies (such as AI, Digital Twins, Robotics) as well as questions of political ethics and governance as for example, research on vulnerability, solidarity, and justice.

Eva Maria Hille works as a research assistant in the young researchers group "Ethics and Governance of Emerging Technologies" at the Friedrich-Alexander-Universität Erlangen-Nürnberg. As part of the Collaborative Research Centre 1483 "EmpkinS" funded by the German Research Foundation, she is working on normative procedural conditions and social values and attitude patterns in the context of new AI-based sensor technologies in the health sector. Her research is supported by the graduate centre of bidt (Bavarian Research Institute for Digital Transformation).

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KEYNOTE SPEAKERS

Txetxu Ausín Díez is tenured scientist at the Institute for Philosophy, CSIC (Spanish National Research Council, www.ifs.csic.es/). He is director of the Applied Ethics Group (GEA). His research areas include public ethics, bioethics, deontic logic, human rights and philosophy of robotics and ICT. He is a researcher in the INBOTS CSA network (www.inbots.eu/), EXTEND (www.extend-project.eu/) and BIODAT (www.umucebes.es/). He is Vice-Chair of Research of ASAP-Spain (Academics Stand Against Poverty) and President of the Spanish Network of Philosophy (http://redfilosofia.es/). He is an independent member of the Public Ethics Committee of the Basque Government and patron of the Foundation Cluster Ethics of the Basque Country and Legal and Social Studies (EJYS Foundation) and also participates in the Committee of Experts on Ageing of the Fundación General CSIC.

Anna Jobin, Dr. Anna Jobin is a senior researcher at the Alexander von Humboldt Institute of Internet and Society (HIIG) in Berlin and an inaugural member of the Swiss Young Academy. Her research focuses on the intersection of science, digital technology and society, in particular on algorithmic systems as sociotechnical institutions.

Patrik Hummel is an Assistant Professor in the Philosophy & Ethics Group at Eindhoven University of Technology, Netherlands. His research focuses on bioethics and philosophy of technology, in particular how practices of datafication and automation interact with concepts such as health, well-being, justice, and identity.

Maximilian Kiener is a philosopher at the University of Oxford and specialises in moral and legal philosophy. His research, which is supported by a Leverhulme Early Career Fellowship, focuses on consent, responsibility, and artificial intelligence. Maximilian is currently writing a monograph on responsibility and artificial intelligence, under contract with Hart. More information can be found on his personal website: https://maximilian-kiener.weebly.com/

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KEYNOTE SPEAKERS

Sergio D'Antonio Maceiras is Sociologist and Ph.D in Philosophy, currently Assistant Professor at UPM and member of the AI+DA research group. He teaches *social, legal and ethical aspects of IT*. For the last five years his teaching focused in *Science and Technology* and *Cultural and Social Philosophy* at the Universidad Complutense de Madrid. His main fields of research are Science and Technology Studies, the interrelations of IT with Social Sciences and Social Network Analysis. He has participated in several European projects related with women with disabilities and STS and in fostering the online capabilities of three Albanian universities. Currently his main research focuses on the relationship between IT and society, its ethical, social and philosophical implications and consequences, and the mismatch between the two.

Jess Morley is a social science researcher at the University of Oxford where she is the policy lead for the Bennett Institute for Applied Data Science, and a Wellcome funded DPhil candidate at the Oxford Internet Institute. Her health data policy work is supported by the Mohn-Westlake Foundation. Prior to moving into academia full-time, she was a civil servant for the Department of Health and Social Care (DHSC) and latterly, NHSX.

Jesús Salgado Criado is associate professor at the Department of Organizational Engineering, Business Administration & Statistics at UPM. His research interests include ethical aspects and the impact of new digital technologies such as AI on organizations and decision-making, as well as risk management and regulation of AI development and implementation.

Raquel Jorge Ricart is a sociologist and political scientist that has worked on the planning and drafting process of the National Strategy for Technology and Global Order on technology diplomacy at the Secretariat of State for Global Spain in the Ministry of Foreign Affairs, European Union and Cooperation of the Government of Spain through technical assistance. She has also worked on policy formulation projects at the Berkman Klein Center for Internet & Society at Harvard University and at GWU's Institute for Science and Technology Policy. Now she is a researcher at Elcano Institute.

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Stina Lohmüller is a cultural scientist and studied at Leuphana University Lüneburg with a focus on digital cultures and the philosophy of technology. Since 2020, she has been working for the independent think tank iRights.Lab, where she focuses on issues at the intersection of digitalisation, participation and ethics. She is particularly interested in algorithmic systems and the socio-cultural effects and changes that their use entails.

Matheus Tait began his career as a software engineer in Brazil in the nineties. He wanted to use technology to address complex business needs while trying to impact the world positively. Matheus worked on all sorts of tech companies, from small startups to large global companies, from universities and research institutes to foundations. Since 2015 he has gone on to senior and executive leadership roles in Brazil, Ecuador, and Spain. Currently performing his role as Managing Director of Thoughtworks Spain and part of the Thoughtworks Global leadership. Throughout his entire career, Matheus was interested in and involved with client projects, research, and partnerships that analyze how technology impacts society and the world. And how to take responsibility for creating responsible tech whenever we can. Creating such technology involves many aspects, such as accessibility and inclusion, carbon footprint, and, more recently, ethics in Artificial Intelligence.