EELISA

SPRING SCHOOL

6TH-10TH MARCH 2023, PISA, ITALY

ETHOS+TEKHNÉ

A NEW GENERATION OF AI RESEARCHERS

UNDERSTAND THE IMPACT OF AI WITH AI RESEARCHERS, PHILOSOPHERS, ECONOMISTS, BIG-TECH LEADERS, JOURNALISTS, LAWYERS, MEMBERS OF THE EU PARLIAMENT AND CITIZENS.

https://community.eelisa.eu/activities/ethos-tekhne-a-new-generation-of-ai-researchers/

Sant'Anna
School of Advanced Studies – Pisa

SCUOLA NORMALE SUPERIORE

PSL ★
UNIVERSITÉ PARIS

DAY 1: THE SOCIO-ECONOMIC IMPACT OF AI

10:00-11:30 am   *Title TBC* - Lecture
Prof Mario Pianta, Scuola Normale Superiore

11:30-11:45 am   break

11:45-1:00 pm   *Title TBC* - Lecture
Prof Dario Guarascio, La Sapienza

1:00-2:30 pm   Lunch

2:30-4:00 pm   *Title TBC* - Online lecture
Prof Luciano Floridi, University of Oxford

4:00-5:00 pm   break

5:00-6:30 pm   *Title TBC* - Hybrid discussion panel
Blaise Aguera y Arcas, Google Research Vice-President
(TBC), Meta AI research engineer
Moderated by Laura Carrer, independent investigative journalist,
Wired and info.nodes

DAY 2: EU REGULATIONS FOR A FAIR AND PRIVATE AI

10:00-11:30 am   *Ethics or law for AI? This is not the question* **- Lecture**
Prof Giovanni Comande', Scuola Superiore Sant'Anna

11:30-11:45 am   break

11:45-1:00 pm   *You and your images* **- Lecture**
Prof Andrea Cavallaro, Queen Mary University of London

1:00-2:30 pm   Lunch

2:30-3:45 pm   *The EU AI Act* **- Lecture**
Dimitris Tzanidakis, Policy Advisor, European Parliament

3:45-4:00 pm   break

4:00-5:30 pm   *How will EU policies frame the work of an AI programmer?* **- Hybrid discussion panel**

Brando Benifei, co-rapporteur of the AI Act, Member of the European Parliament

Kim Van Sparrentak, Member of the European Parliament, AIDA Committee

Diletta Huyskes, Head of Advocacy & Policy, Privacy Network and PhD Researcher, Università di Milano

Moderated by Viola Stefanello, tech reporter, Il Post

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DAY 3: EXPLAINABLE AI (XAI)

10:00-11:30 am   **A gentle introduction to explainable AI - Lecture**
Prof Wojciech Samek, Technical University of Berlin
& Fraunhofer Heinrich Hertz Institute

11:30-12:00 am   break

12:00-12:30 pm   **Explainable or Interpretable AI? Practical examples in the energy sector - Short talk**
Konstantinos Parginos, PhD student, MINES ParisTech

12:30-1:00 pm   **Using Explanability for Computer Vision Model Diagnosis: a Socio-Technical Perspective - Short talk**
Agathe Balayn, PhD candidate, TU Delft

1:00-2:30 pm   Lunch (and group photo)

2:30-4:00 pm   **Practical introduction to XAI - Tutorial (part I)**
Prof Fosca Giannotti & Francesca Naretto, Scuola Normale Superiore

4:00-4:15 pm   break

4:15-5:30 pm   **Practical introduction to XAI - Tutorial (part II)**
Prof Fosca Giannotti & Francesca Naretto, Scuola Normale Superiore

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DAY 4: AI BIASES AND TRUSTWORTHINESS

10:00-11:15 am   *Addressing bias in big data and AI for health care* - Online lecture

Natalia Norori, Data and Evidence Manager, Prostate Cancer UK
Prof Athina Tzovara, Univ. of Bern & Univ. of California Berkeley

11:15-11:30 am   break

11:30-12:15 am   *Machine learning in the EU health care: ethical, legal and social issues* - Online lecture

Prof Iñigo de Miguel Beriain, University of the Basque Country

12:15-1:00 pm   *Auditing the quality of datasets used in algorithmic decision-making systems* - Lecture

TBC

1:00-2:30 pm   Lunch

2:30-4:00 pm   *Trustworthy AI in healthcare: how to design, develop and deploy trustworthy deep learning for medical image analysis -* Tutorial (part I)

Dr Sara Moccia, Scuola Superiore Sant'Anna

Dr Simona Tiribelli, Institute for Technology and Global Health & Università degli Studi di Macerata

4:00-4:15 pm   break

4:15-5:30 pm   **Tutorial (part II)**

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DAY 5: LIABILITY IN AI

10:00-11:15 am	*Potential legal implications of breaking AI regulations in EU, US and China* - **Lecture** Karin Tafur, legal-tech entrepreneur
11:15-11:30 am	break
11:30-1:00 am	*Moot court competition: an AI case study* - **Group debate** Gabriele Franco, junior associate, Panetta Law firm
1:00-2:00 pm	Lunch
2:00-5:00 pm	*Challenges and potential solutions* - **Group writing** Write an extended abstract in groups of five participants on a topic of the spring school. This work will represent the test to award the ECTS to the participant and it will be employed to submit a joint opinion paper.
5:00-8:30 pm	Free time
8:30-11:30 pm	*Open Mic on AI* - **Movie discussion night** Dr Federica Merenda, research fellow in Political Philosophy, Scuola Superiore Sant'Anna (TBC), Philosopher of Science Citizens in Pisa

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HOW TO PARTICIPATE?

You can attend the school either online or on-site.

Online
You will be able to watch the school activities through a link that you will receive a few days before the school. Registration is free, with no selection process. During the school, your questions will always be welcomed, but remote attendance cannot guarantee that you will be able to ask them, as on-site questions will be answered first.

Active participation on-site
Seats are limited to 30 participants in total. The school targets early-career researchers (e.g. research assistants, PhD students, post-docs, exceptional master students) in AI or in computational sciences more broadly. You will receive a link with more detailed information on how to apply as soon as available. If you are not selected, you can always attend the school online.

To receive the relevant links, you can **express here your interest** in participating.

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