



Sant'Anna
Scuola Universitaria Superiore Pisa



LIDER-LAB

Seasonal Schools



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**The Responsible Data Society: Rules
and Methods for AI and Data Analytics,
Beyond Privacy
15 – 20 March 2021**

The digital economy harnesses the power of big data, modern high computing capacity, Artificial Intelligence and innovation. It also leverages their interconnection allowing information technology to mediate all human activities. These innovations should be properly framed within the existing legal and ethical framework, in order to strike the right balance between the protection of fundamental rights and freedoms and the need to preserve the regulatory flexibility necessary for all market players to enjoy and be empowered by the wealth of big data in an open society. Data protection plays a significant role for these purposes. Although the legal and ethical framework of the data society is increasingly central to the international debate and for future jobs, there are few opportunities for would-be jurists, technologists and social scientists to acquire the necessary skills to govern the interaction between technological innovation in data science and the regulatory and fundamental rights protection framework. The Responsible Data Society School intervenes on this gap, with the aims of enabling students: i) to develop a responsible approach to Machine Learning techniques, data mining, algorithms, AI in technical, as well as social analytics activities; ii) to be aware of the interaction between technologies and regulatory standards; iii) to develop, by design, a robust methodology to comply with the applicable legal framework.

Coordinator: Prof. Giovanni Comandé - Sant'Anna School of Advanced Studies

Co-Organizers: Dr. Denise Amram, Prof. Maria Gagliardi, Prof. Caterina Sganga

For more information visit:

<https://www.santannapisa.it/it/responsible-data-society-rules-and-methods-ai-and-data-analytics-beyond-privacy>



Monday 15 March 2021

9 - 10.00 Welcome and introduction

Prof. Sabina Nuti, Rector Sant'Anna - Prof. Giovanni Comandé - Sant'Anna

10 - 11.00 Towards a responsible data society: concepts and techniques

Prof. Giovanni Comandé

11 - 12.00 Introduction to data protection

Prof. Maria Gagliardi

12 - 13.00 Subjects and rights in data protection

Prof. Maria Gagliardi

13 - 14.00 Lunch break

14 - 15.00 Transfers of personal data to third countries: adequacy and appropriate safeguards after the CJEU's decision on Schrems II

Dr. Clizia D'Agata

15 - 16.00 The data protection authority

Prof. Roberto Lattanzi

16 - 17.00 Data protection: a comparison among models

Prof. Giovanni Comandé

Tuesday 16 March 2021

9 - 10.00 Personal data, anonymous data, non personal data, profiling and big data

Prof. Maria Gagliardi

10 - 11.00 Elements of artificial intelligence

Dr. Daniele Licari

11 - 12.00 Elements of artificial intelligence

Dr. Daniele Licari

12 - 13.00 Cybersecurity a practical approach

Dr. Italo Lisi

13 - 14.00 Lunch break

14 - 15.00 Data governance as a complex approach: the EU Data Governance Act

Prof. Giovanni Comandé

15 - 16.00 Dark patterns and fundamental rights

Prof. Giovanni Comandé

16 - 17.00 Promises and perils of high-throughput data in the Sciences: the "Omics" example.

Prof. Francesca Chiaramonte



Wednesday 17 March 2021

9 - 10.00 Introduction to the Intellectual Property

Prof. Caterina Sganga

10 - 11.00 Intellectual Property and big data. The exclusive rights in Data.

Prof. Caterina Sganga

11 - 12.00 Intellectual Property and big data. The exclusive rights in Data

Prof. Caterina Sganga

12 - 13.00 Non personal data among exclusive, access and free circulation

Prof. Caterina Sganga

13 - 14.00 Lunch break

14 - 15.00 Open data in the european and international dimension

Prof. Caterina Sganga

15 - 16.00 The (misrepresented and unknown) role of statistics at the time of Big Data: instructions for use

Prof. Maria Francesca Romano

16 - 17.00 Artificial intelligence, Artificial intelligences, business intelligence, and sectoral applications

Prof. Giovanni Comandé

Thursday 18 March 2021

9.00 - 10.00 Bias in data-driven AI systems

Prof. Salvatore Ruggieri

10 - 11.00 Intellectual Property and artificial intelligence in the european and supranational debate

Prof. Caterina Sganga

11 - 12.00 Intellectual Property and artificial intelligence in the european and supranational debate

Prof. Caterina Sganga

12 - 13.00 Data subject's vulnerability in the AI ecosystem

Prof. Gianclaudio Malgieri

13 - 14.00 Lunch break

14 - 15.00 Privacy preserving techniques

Prof. Anna Monreale

15 - 16.00 The risk-based approach and accountability in new technologies

Prof. Giovanni Comandé

16 - 17.00 Artificial intelligence in the judicial system, technical, ethical and legal issues

Prof. Giovanni Comandé



Friday 19 March 2021

9 - 10.00 The Data Protection Impact Assessment on personal data between theory and practice

Dr. Denise Amram

10 - 11.00 Personal Data Governance: joint controllership and data processing agreements

Dr. Denise Amram

11 - 12.00 The Assessment List on Trustworthy AI (ALTAI) and its bases

Dr. Denise Amram – Prof. Giovanni Comandé

12 - 13.00 The Assessment List on Trustworthy AI (ALTAI) and its bases

Dr. Denise Amram – Prof. Giovanni Comandé

13 - 14.00 Lunch break

14 – 17.00 Roundtable "*The Responsible Data Society*"

Explainability of AI When?, *Prof. Fosca Giannotti*

The Role of the Oversight Authorities, *Dr. Mario Guglielmetti*

The Vision of the industry on Compliance, *Dr. Massimo Restino*

The role of cloud, *Paolo de Rosa*

Saturday 20 March 2021

9 - 10.00 Civil liability in the information society

Prof. Di Ciommo

10 - 11.00 Towards a Tailored Compliance: case-studies and role-play simulations.

Dr. Denise Amram

11 - 12.00 Towards a Tailored Compliance: case-studies and role-play simulations.

Dr. Denise Amram

12 - 13.00 Towards a Tailored Compliance: case-studies and role-play simulations.

Dr. Denise Amram

13 - 14.00 Lunch break

14 – 15.00 Exam

Qualifications

Dr. Denise Amram, Data Protection Officer, Sant'Anna School of Advanced Studies

Prof. Francesca Chiaramonte, Full Professor of Statistics, Scientific Coordinator of EMbeDS, Sant'Anna School of Advanced Studies

Prof. Giovanni Comandé, Full Professor of Private Comparative Law, Sant'Anna School of Advanced Studies

*Dr. Clizia D'Agata**, Italian Data Protection Authority Officer

*Paolo de Rosa**, Chief Technology Officer, Dep. Digital Transformation - Minister for Technological Innovation and Digitalization

Prof. Di Ciommo, Full Professor of Private Law at Luiss Guido Carli University

Prof. Maria Gagliardi, Associate Professor of Private Law, Sant'Anna School of Advanced Studies

Prof. Fosca Giannotti, Director of Research at ISTI CNR - Data Mining expert

*Dr. Mario Guglielmetti**, Legal officer, European Data Protection Supervisor

*Prof. Roberto Lattanzi**, Head of Prevention of Corruption and Transparency, Italian Data Protection Authority

Dr. Daniele Licari, EMbeDS Data Engineer, Sant'Anna School of Advanced Studies

Dr. Italo Lisi, Chief Information Technology Officer, Sant'Anna School of Advanced Studies

Prof. Gianluadio Malgieri, Associate Professor of Law and Technology at the EDHEC Business School in Lille

Prof. Anna Monreale, Associate Professor at Department of Computer Science of the University of Pisa

Dr. Massimo Restino, Head of Compliance at Italian State Railways

Prof. Maria Francesca Romano, Associate Professor at the Institute of Economics of the Sant'Anna School of Advanced Studies

Prof. Salvatore Ruggieri, Full Professor at the Computer Science Department of the University of Pisa

Prof. Caterina Sganga, Associate Professor of Comparative Private Law, Sant'Anna School of Advanced Studies