

Emanuela Podda

Curriculum Vitae

Università degli Studi di Milano
Department of Computer Science
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Short Bio

Research Fellow at the Security, Privacy and Data Protection Laboratory (SPDP Lab), Department of Computer Science - Università degli Studi di Milano. Research focus on challenges posed by the law to the engineering and computation of specific data processing operations, as well as the design of data governance models in line with applicable regulatory frameworks.

Ph.D. in Law, Science and Technology from the Alma Mater Studiorum Università di Bologna, in co-tutelle with the Université du Luxembourg, and Università degli Studi di Torino.

Academic Positions

- 2024 ongoing **Research Fellow - Postdoctoral Researcher in Data Protection Techniques and Regulations** - Security, Privacy, and Data Protection (SPDP) Research Group led by Prof. Pierangela Samarati at Università degli Studi di Milano - Department of Computer Science - SPDP Lab, Italy
Project: Security and Rights in the Cyberspace SERICS under the MUR NRRP funded by the EU - NextGenerationEU (No. PE00000014)
- January 2024 **Visiting Fellow** at CRISES Research Group in Security and Privacy led by Prof. Josep Domingo Ferrer, Universitat Rovira i Virgili - Department of Computer Engineering and Mathematics, Tarragona, Spain
Project: *SoBigData++* European Union's Horizon 2020 research and innovation programme (No. 871042)
- 2023 – 2024 **Research Fellow - Postdoctoral Researcher in Information Systems Engineering** at Digital Financial Services and Cross-Organisational Digital Transformations (FINATRAX) Research Group led by Prof. Gilbert Fridgen, Université du Luxembourg - Interdisciplinary Centre for Security, Reliability and Trust (SnT), Luxembourg
Project: *Digital Identities for Luxembourg* funded by Luxembourg Ministry of Digitalisation, Luxembourg
- 2019 – 2023 **Marie Curie ITN Research Fellow - Doctoral Researcher Law, Science and Technology (Joint Doctorate)**, in Rights of Internet of Everything at the Alma Mater Studiorum Università di Bologna
Alma Mater Studiorum, Università di Bologna (Alma Mater Research Center for Human-Centered Artificial Intelligence - Alma AI), in co-tutelle with Università di Torino (Department of Law), Université du Luxembourg (Faculty of Law, Economics and Finance - FDEF)
Project: *Rights of the Internet of Everything*, funded under Excellent Science - Marie Skłodowska-Curie Actions, Grant agreement (No. 814177)

Non-Academic Positions

2015 – 2019 **European Commission, Brussels, Belgium**

Directorate General Taxation and Customs Union, Directorate General Research (Research Executive Agency), Directorate General International Cooperation and Development

Blue Book Trainee, Interim Agent, Contract Agent. Horizontal tasks based on legal analysis, legal drafting, and legal support for internal and external services. Data analysis and data monitoring using specific software, drafting reports for management support.

2013 – 2014 **Intercultural Experience Canada-Italy, Toronto, Canada**

Hansa Language School (Toronto), and Tutorino Italian School (Toronto)

English Language School (Attending) and Italian Language School (Tutoring)

2010 – 2013 **Trainee Lawyer, Italy**

Studio Legate Pisanu (Cagliari) and Studio Legale Cabiddu (Oristano)

Supporting clients on corporate and tax issues, interpreting and explaining complex legal principles using plain language, providing strategic and creative legal solutions, including options and risks, producing legal documents for Court and attending trials in Court (Pre-requisite for the State Examination for the Qualification to the Profession of Lawyer)

Education and Professional Qualifications

2019 – 2023 **PhD in Law, Science and Technology**

Alma Mater Studiorum, Università di Bologna (Prof. M.Palmirani), in co-tutelle with Università di Torino (Prof. M.Durante), Université du Luxembourg (Prof. M.D.Cole)

PhD Thesis: *Big Data Analysis Systems in IoE Environments for Managing Privacy and Data Protection: Pseudonymity, De-anonymization and the Right to Be Forgotten*

2013 **State Examination for the Qualification to the Profession of Lawyer**

Italy

2008 – 2010 **Master of Laws, Faculty of Law**

Università degli Studi di Cagliari, Italy

2005 – 2008 **Bachelor of Laws, Faculty of Law**

Università degli Studi di Cagliari, Italy

Papers, Book Chapters and Conference Proceedings

2024 **Data Governance and Neutral Intermediation: Legal Properties and Potential Semantic Constraints** (Research Paper submitted for Conference)

2024 **Data Act**, in Encyclopedia of Cryptography, Security and Privacy, edited by Sushil Jajodia, Pierangela Samarati and Moti Yung, Springer, 2024 (in publication)

- 2024 **Data Governance Act**, in Encyclopedia of Cryptography, Security and Privacy, edited by Sushil Jajodia, Pierangela Samarati and Moti Yung, Springer, 2024 (in publication)
- 2024 **National Identifiers and Their Use in the Private Sector: Legal Concepts and Privacy Implications**, Preliminary legal-tech research undertaken as a member of the FINATRAX Research Group, aimed at setting the legal perimeter for a further project on Information Systems Engineering focused on the balance between Push Model and Pull Model for National Identifiers(funded by the Ministry Of Digitalisation - Luxembourg)
- 2024 **Anonymisation of Personal Data (Legal Perspective)**, in Encyclopedia of Cryptography, Security and Privacy, edited by Sushil Jajodia, Pierangela Samarati and Moti Yung, Springer, 2024 (in publication)
- 2023 **Public Sector Sustainable Energy Scheduler - A Blockchain and IoT Integrated System**, 15th International Conference on Applied Energy, ICAE 2023, Doha, [Contribution to conference proceedings], (with Lima Baima R., Abetlan Alvarez I., Pavic I.)
- 2022 **Anonimizzazione e Pseudonimizzazione di Sentenze Giudiziarie**, Informatica Giuridica, 37-64, in La Trasformazione Digitale della Giustizia nel Dialogo tra Discipline, in Diritto e Intelligenza Artificiale, di S. Sapienza, M. Palmirani - Giuffrè, 2023 [Book Chapter] (written with Palmirani M.)
- 2021 **Anonymization Between Minimization and Erasure: The Perspectives of French and Italian Data Protection Authorities** in: Kd A., Francesconi E., Kotsis G., Tjoa A.M., Khalil I., Electronic Government and the Information Systems Perspective, EGOVIS 2021, Andrea Kii, Enrico Francesconi, Gabriele Kotsis, A Min Tjoa, Ismail Khalit, 2021, LNCS 12926, pp. 103 - 114 (Electronic Government and the Information Systems Perspective EGOVIS 2021, in International Conference on Electronic Government and the Information Systems Perspective 2021, Wien, Virtuat Event, September 27-30,2021) [Book Chapter and Contribution to conference proceedings] (written with Vigna F.)
- 2021 **Inferring the Meaning of Non-Personal, Anonymised, and Anonymous Data** in V. Rodriguez-Doncet, M. Palmirani, M. Araszkievicz, P. Casanovas, U. Pagallo U., G. Sartor, AI Approaches to the Complexity of Legal Systems XI-XII, Heidelberg, Springer, Cham, 2021, pp.269 - 282 (Lecture Notes in Artificial Intelligence) [Book Chapter] (written with Palmirani M.)
- 2021 **Shedding Light on the Legal Approach to Aggregate Data under the GDPR and the FFDR** in UNECE Conference of European Statisticians Expert Meeting on Statistical Data Confidentiality, 1-3 December 2021, Poznan, Poland [Abstract]
- 2021 **Data Protection and Rule of Law: A Challenging Perspective**, International Conference TILTING Perspectives 2021: TILTING 2021 Regulating in Times of Crisis, Tilburg, May 2021, 19-21 [Abstract]

Summer Schools

- 2023 **Summer Academy For Global Privacy Law 2023**, From Data Access to Data Transformations: How to Govern Data in the Age of Analytics and AI, VUB Brussels, June 2023

Seminars, Talks and Teaching Activities

- 2024 **Law + Technology: Fine-Tuning a New Regulatory Approach to Personal Data Anonymisation**, Universitat Rovira i Virgiti - Department of Computer Engineering and Mathematics, Tarragona, Spain
- 2022 **Legal Overview on Anonymisation and Pseudonymisation**, Faculty of Law and Administration of Jagiellonian University, Krakow, Poland

Awards

- 2021 **Best PhD Project Award** - 7th International Conference on Information Systems Security and Privacy (DCISSP/ ICISSP) 2021
- 2020 **Best PhD Project Award** - 9th International Conference on Data Science, Technology and Applications (DCDATASOFT/ ICSOFT) 2020

Languages

Italian (Mother Tongue), English (Fluent), French (Intermediate), Spanish (Basic)