PERSONAL INFORMATION   Rosa Meo

Enterprise	University	EPR
☐ Management Level	☒ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 1 October 2023 to Today
From 2005 to September 2023

Full Professor
Associate professor

University of Torino, Department of Computer Science

- Research and teaching on the topics of Machine Learning, Data Mining, NoSql databases (for big data).
- Teaching for the Law Degree Program at University of Torino a course on Administrative participation in the digital age on the topic of **health care data analysis.**
- Responsible for a research project between University of Torino and ANAC (National Authority for Antimoney Laundering in Public Administrations) on big data analysis (2019 – today).
- Teacher for SNA in 2023 in Master and workshop for risk management in Public administration.
- Partecipation to research projects for Intelligence Center of Intesa San Paolo on a funded project on Federated Learning (2023-24).
- Participation in an (EU funded) research project "Toreador" on big data and cloud computing ("TrustwOrthy model-awaRE Analytics Data platfORm" (RIA 688797)) (2016-18)
- Participation to HOME (on smart factories in manufactory) funded by Regione Piemonte with POR-FESR program (2017-19);
- Partecipation in SMAT-F1 and SMAT-F2 (on territory monitoring by Unmanned aircrafts by sensors fusion and data management and analysis) (2010-2012; and 2014-17).
- Associate Editor of ACM Transactions on Data Engineering, Springer Knowledge And Information Systems
- Co-chair of Workshops and Tutorials program in European Conference in Machine learning and knowledge discovery from data (ECML/PKDD) 2023, September, Torino, Italy.
- Co-chair of Principle and Knowledge Discovery in Databases/-European Conference in Machine Learning, September 2013, Nancy, France
- Co-Editor of Special Issues in Machine learning and Data Mining and Knowledge Discovery in Data, 2013.

Machine Learning. Data Mining. Databases for big data

1999- 2005   **Assistant Professor**

University of Torino, Department of Computer Science

- Teaching and research in Data Mining query languages
- Responsible for a EU research project on Query languages for Data Mining coupled with Databases

Machine Learning, Data Mining, Databases, Artificial Intelligence

EDUCATION AND TRAINING

1993-1997 | **PhD in Computer Science and Systems Enginneering at Politecnico di Torino, Italy**

PhD thesis on Databases Query languages for Data Mining

1985-1993 Replace with qualification awarded *Replace with EQF (or other) level if relevant*

Replace with education or training organisation's name and locality (if relevant, country)

- Replace with a list of principal subjects covered or skills acquired

- Master Degree in Electrical Enginneering at Politecnico di Torino, Italy

PERSONAL SKILLS

Mother tongue(s) | Italian

Other language(s) | English

Job-related skills | Machine Learning research, reading and writing articles and disseminating science to the broad public. Supervision of Master students, PhD students and Post-docs.
Organisation of conferences and revision of articles; editing scientific journals;
Writing proposals for funded research at the Italian of European level; leading work packages in research projects.

Digital skills | Programming skills in C/C++, Python, scikit learn, R and database query languages (SQL,PL/SQL) for Oracle/Mysql/MariaDB, simulation skills in Mathematica, Octave, MATLAB. Usage of software libraries in Machine Learning and Data Mining such as RapidMiner, Knime, Weka, Orange and SAS Enterprise Miner.

Other skills | Team leadership. Pioneer in gender-gap and STEM topics. Past president and current member of the mentoring commission for the Computer Science (Master and Bachelor) Degrees.

ADDITIONAL INFORMATION

Publications

1. Nai, R, Sulis, E, Audrito, D, Trifiletti, V. M. S, Meo, R, Genga, L. Process Mining on a Public Procurement Dataset: A Case Study, in COMPUTER LAW & SECURITY REVIEW, vol.57, p. 1-12, doi: 10.1016/j.clsr.2025.106144, ISSN 0267-3649.

2. Nai, R, Sulis, E, Fatima, I, Meo, R. Large Language Models and Recommendation Systems: A Proof-of-Concept Study on Public Procurements, in Proc., of the 29th International Conference on Natural Language & Information Systems, p. 280-290, Springer LNCS, ISBN 9783031702419.

3. Nai, R, Sulis, E, Fatima, I, Meo, R, 2024. Machine learning in procurement with a view to equity, Chapter in "AI - Ethical and Legal Challenges," ed. INTECHOPEN, England and Wales.

4. Nai, Roberto, Sulis, Emilio, Meo, Rosa, Gorgerino, Francesco, Racca, Gabriella Margherita, Genga, Laura 2025, Process Mining on a Public Procurement Dataset: A Case Study. Communications in Computer and Information Science, 2133 CCIS, pp. 477 - 492,. DOI: 10.1007/978-3-031-74630-7_35

5. Sartor, G, Salis, M, Pinardi, S, Saracik, Ö, Meo, R. Deep learning tools to support deforestation monitoring in Ivory Coast using SAR and optical satellite imagery, in INTERNATIONAL JOURNAL OF APPLIED EARTH OBSERVATION AND GEOINFORMATION, vol. 144 (104849), 10.1016/j.jag.2025.104849

6. Garcia-Vozmediano A, Maurella, C, Ceballos, LA, Crescio, E, Meo R, Martelli, W, Pitti, M, Lombardi, D, Meloni, D, Pasqualini, C, Ru, G. Machine learning approach as an early warning system to prevent foodborne Salmonella outbreaks in northwestern Italy, in VETERINARY RESEARCH, vol. 55 (72), 1-14, DOI: 10.1186/s13567-024-01323-9

7. Ferraris, S, Meo, R, Pinardi, S, Salis, M, Sartor, G. 2023, Machine Learning as a Strategic Tool for Helping Cocoa Farmers in Côte D'Ivoire, in Sensors, MDPI, https://doi.org/10.3390/s23177632

8. Pinardi, S., Salis, M., Sartor, G., Meo, R. 2023, EU–Africa: Digital and Social Questions in a Multicultural Agroecological Transition for the Cocoa Production in Africa, in Social Sciences, 2023, 12(7), 398

9. Nai, R., Meo, R., Morina, G., Pasteris, P., 2023, Public tenders, complaints, machine learning and recommender systems: a case study in public administration, in Computer Law and Security Review, 2023, 51, 105887

10. Nai, R., Fatima, I., Morina, G., ...Meo, R., Pasteris, P., 2023, AI Applied to the Analysis of the Contracts of the Italian Public Administrations, in CEUR Workshop Proceedings., 2023, 3486, pp. 255–260

11. Imran, F, Meo, R, 2023. Collection and Analysis of Sensitive Data with Privacy Protection by a Distributed Randomized Response Protocol. Proceedings of the ACM Symposium of Applied Computing. Pages. 1415-1424

12. Nai, R., Sulis, E., Pasteris, P., Giunta, M., Meo, R., 2023, Exploitation and Merge of Information Sources for Public Procurement Improvement, in Communications in Computer and Information Science, 2023, 1752 CCIS, pp. 89–102

13. Meo, R., Nai, R., Sulis, E., 2022, Explainable, Interpretable, Trustworthy, Responsible, Ethical, Fair, Verifiable AI..What's Next? Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2022, 13389 LNCS, pp. 25–34

14. Delussu, F., Imran, F., Mattia, C., Meo, R., 2021, Fuel prediction and reduction in public transportation by sensor monitoring and bayesian networks, in Sensors, 2021, 21(14), 4733

15. Meo, Rosa;Lai, Mirko; Pasteris, Paolo, 2021, Machine learning per la pubblica amministrazione, in L'amministrazione pubblica con i big data: da Torino un dibattito sull'intelligenza artificiale, QUADERNI DEL DIPARTIMENTO DI GIURISPRUDENZA DELL'UNIVERSITÀ DI TORINO. Pagine (da) 131 a 148, Codice ISBN 9788875901806

16. Rosa Meo; Alessandro Marrazzo; Paolo Pasteris, 2021, Dati e Intelligenza Artificiale Per le Pubbliche Amministrazioni, in Dati e Intelligenza Artificiale per le Pubbliche Amministrazioni, MIMESIS Edizioni, TECNOLOGIE EMERGENTI E DIRITTO N. Volume 2, Pagine (da) 99-122, Codice ISBN 9788857590349

17. F. Delussu, D. Manzione, R. Meo, G. Ottino and M. Asare, Experiments and Comparison of Digital Twinning of Photovoltaic Panels by Machine Learning Models and A Cyber-Physical Model in Modelica, in IEEE Transactions on Industrial Informatics, doi: 10.1109/TII.2021.3108688.

18. Gardino, G.B., Meo, R., Craparotta, G. Multi-view Latent Learning Applied to Fashion Industry, in Information Systems Frontiers, 2021, 23(1), pp. 53–69.

19. Ienco, D., Pensa, R.G., Meo, R. A Semisupervised Approach to the Detection and Characterization of Outliers in Categorical Data, in IEEE Transactions on Neural Networks and Learning Systems, 2017, 28(5), pp. 1017–1029, 7412753.

20. Pensa, R.G., Ienco, D., Meo, R. Hierarchical co-clustering: Off-line and incremental approaches, in Data Mining and Knowledge Discovery, 2014, 28(1), pp. 31–64.

21. Ienco, D., Robardet, C., Pensa, R.G., Meo, R. Parameter-less co-clustering for star-structured heterogeneous data, in Data Mining and Knowledge Discovery, 2013, 26(2), pp. 217–254.

22. Meo, R., Roglia, E., Bottino, A. The exploitation of data from remote and human sensors for environment monitoring in the SMAT project, in Sensors (Switzerland), 2012, 12(12), pp. 17504–17535

23. Rizzo, G., Meo, R., Pensa, R.G., Falcone, G., Troncy, R., Shaping City Neighborhoods Leveraging Crowd Sensors, in Information Systems, 2017, 64, pp. 368–378

24. Meo, R., Sulis, E., Processing affect in social media: A comparison of methods to distinguish emotions in tweets, in ACM Transactions on Internet Technology, 2017, 17(1), 7.

25. Baralis, E., Cerquitelli, T., Chiusano, S., Meo, R. Data mining in databases: Languages and indices, Studies in Big Data, 2018, 31, pp. 341–351

26. Meo, R., Esposito, R., Botta, M., ...Mellano, V., Ciaramaglia, F. Autonomous abnormal behaviour detection in intelligence surveillance and reconnaissance applications, in 2015 IEEE 1st International Forum on Research and Technologies for Society and Industry, RTSI 2015 - Proceedings, 2015, pp. 334–340, 7325120

27. Meo, R., Bachar, D., Ienco, D. LODE: A distance-based classifier built on ensembles of positive and negative observations, Pattern Recognition, 2012, 45(4), pp. 1409–1425

Award for: SELEX Innovation Award in 2012 for the results obtained in the research project entitled "Knowledge Discovery on a Huge Volume of Data", a research project funded by SELEX-ES

Rosa Meo