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LUISS University	2025 – Present
Assistant Professor	*Rome, Italy*
KU Leuven	2022 – 2025
Post-doc	*Leuven, Belgium*
University of Pisa	2019 – 2022
PhD in Business Engineering	*Pisa, Italy*
University of Pisa	2012 – 2018
BSc and MSc in Business Engineering	*Pisa, Italy*

Visiting Appointments

MIT Sloan School of Management	2025
	Boston, USA
Copenhagen Business School	2022
	Copenhagen, Denmark
KU Leuven	2022
	Leuven, Belgium

Publications (Peer-Reviewed)

- Arts, S., **Melluso, N.**, & Veugelers, R. (2025). Beyond Citations: Measuring New Scientific Ideas in Publication Text. *Forthcoming. Review of Economics and Statistics*.

- Bonaccorsi, A., **Melluso, N.**, & Massucci, F. A. (2022). Exploring the antecedents of interdisciplinarity at the European Research Council: a topic modeling approach. *Scientometrics*, 127, 6961–6991.

- **Melluso, N.**, Grangel-González, I., & Fantoni, G. (2022). Enhancing Industry 4.0 standards interoperability via knowledge graphs with natural language processing. *Computers in Industry*, 140, 103676.

- Giordano, V., Chiarello, F., **Melluso, N.**, Fantoni, G., & Bonaccorsi, A. (2021) Text and Dynamic Network Analysis for Measuring Technological Convergence: A Case Study on Defense Patent Data. *IEEE Transactions on Engineering Management*, 35(2), 198-215

- Fareri, S., **Melluso, N.**, Chiarello, F., & Fantoni, G. (2021). SkillNER: Mining and mapping soft skills from any text. *Expert Systems with Applications*, 184, 115544.

- Bonaccorsi, A., **Melluso, N.**, Chiarello, F., & Fantoni, G. (2021). The credibility of research impact statements: A new analysis of REF with Semantic Hypergraphs. *Science and Public Policy*, 48(2), 212-225.

- **Melluso, N.**, Bonaccorsi, A., Chiarello, F., & Fantoni, G. (2020). Rapid detection of fast innovation under the pressure of COVID-19. *PloS one*, 15(12), e0244175.

Conference Proceedings (Peer-Reviewed)

- Chiarello, F., **Melluso, N.**, Bonaccorsi, A., & Fantoni, G. (2019). A text mining based map of engineering design: Topics and their trajectories over time. *In Proceedings of the design society: ICED19*, 2765-2774). Cambridge University Press.

- Chiarello, F., Cirri, I., **Melluso, N.**, Fantoni, G., Bonaccorsi, A., & Pavanello, T. (2019). Approaches to automatically extract affordances from patents. *In Proceedings of the Design Society: ICED19*, 2487-2496. Cambridge University Press.

- **Melluso, N.**, Pardelli, S., Fantoni, G., Chiarello, F., & Bonaccorsi, A. (2021). Detecting bad design and bias from patents. *In Proceedings of the Design Society: ICED21*, 1173-1182. Cambridge University Press.

- Bonaccorsi, A., **Melluso, N.** & Massucci, FA. (2021). Detecting interdisciplinarity in top-class research using topic models. *In Proceedings of International Conference on Scientometrics and Informetrics*, 178-191. Cambridge University Press.

Book Chapters

- Melluso, N., Fantoni, G. & Martini, A. (2023). The ABC (Affordance-Bias-Cognition) of product-use interaction: a text mining approach. *Design Computing and Cognition* (pp. 51-66) Cham: Springer International Publishing.

Dissertation

- Text Mining for Innovation Measurement
  2022. University of Pisa.