

Alessandro Neri

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Dipartimento di Ingegneria Industriale

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Posizione Attuale

Dottorando in Automotive Engineering for Intelligent Mobility (Ciclo XXXVIII)

Dipartimento di Ingegneria Industriale – Università di Bologna

Research Topic: Innovative sustainable design approaches and efficient production systems for the automotive sector

Istruzione

- 2022 – Presente **Università di Bologna** – Bologna, Italia
Dottorato in Automotive Engineering for Intelligent Mobility
Tutor: Prof. Rita Gamberini, Dr. Maria Angela Butturi.
- 2017 – 2019 **Università di Modena e Reggio Emilia** – Reggio Emilia, Italia
Laurea Magistrale in Ingegneria Gestionale
Voto Finale: 110/110.

Pubblicazioni Indicizzate

- 2024 Neri, A., Butturi, M. A., Lolli, F., & Gamberini, R. (2024). **Enhancing Waste-to-Energy and Hydrogen Production through Urban–Industrial Symbiosis: A Multi-Objective Optimisation Model Incorporating a Bayesian Best-Worst Method**. *Smart Cities*, 7(2), Article 2. <https://doi.org/10.3390/smartcities7020030>
- 2023 Neri, A., Butturi, M. A., Lolli, F., & Gamberini, R. (2023). Inter-firm exchanges, distributed renewable energy generation, and battery energy storage system integration via microgrids for energy symbiosis. *Journal of Cleaner Production*, 414, 137529. <https://doi.org/10.1016/j.jclepro.2023.137529>

Atti di Convegni Indicizzati

- 2023 Neri, A., Butturi, M. A., da Silva, L. T., Lolli, F., Gamberini, R., & Sellitto, M. A. (2024). **Exploring Industry 5.0 for Remanufacturing of Lithium-Ion Batteries in Electric Vehicles**. *Advances in Remanufacturing*, https://doi.org/10.1007/978-3-031-52649-7_5
- 2023 Savian, F., Tomasin Da Silva, L., Sellitto, M., Sauer Oliveira, H. L., Neri, A., & Butturi, M. A. (2023). **Green Hydrogen, Industrial Symbiosis, And Blockchain: Enhancing Sustainability And Resilience In Supply Chains**. *ECMS 2023 Proceedings* Edited by Enrico Vicario, Romeo Bandinelli, Virginia Fani, Michele Mastroianni, 350–356. <https://doi.org/10.7148/2023-0350>
- 2022 Coruzzolo, A. M., Rossini, S., Neri, A., Lolli, F., Gamberini, R., & Regattieri, A. (2022). **Semi-Automatic Rapid Upper Limb Assessment (RULA) with Azure Kinect of assembly and disassembly tasks, and the related learning curve**. *Proceedings of the Summer School Francesco Turco. 27th Summer School Francesco Turco*.
- 2020 Butturi, M. A., Sellitto, M. A., Lolli, F., Balugani, E., & Neri, A. (2020). **A model for renewable energy symbiosis networks in eco-industrial parks**. *IFAC-PapersOnLine*, 53(2), 13137–13142. <https://doi.org/10.1016/j.ifacol.2020.12.2504>

Partecipazione a Conferenze

- 2023 Relatore, VII International Workshop on Autonomous Remanufacturing
18-19 Ottobre — Caserta (Italia), "Exploring Industry 5.0 for remanufacturing of lithium-ion batteries in electric vehicles", Neri, A., Butturi, M. A., da Silva, L. T., Lolli, F., Gamberini, R., & Sellitto, M. A., https://doi.org/10.1007/978-3-031-52649-7_5
- 2022 Relatore, XXVII Summer school "Francesco Turco"
07-09 Settembre — Sanremo (Italia), "Empowering rural districts with Urban-Industrial Symbiosis: A multi- objective model for Waste-to-Energy cogeneration and hydrogen sustainable networks", Neri, A., Butturi, M. A., Lolli, F., & Gamberini, R., ISSN 2283-8996

Premi e Riconoscimenti

- 2024 Best Paper DIN (Alma Mater Studiorum - Università di Bologna)
Articolo: "Inter-firm exchanges, distributed renewable energy generation, and battery energy storage system integration via microgrids for energy symbiosis".

- 2023 Best Paper Award (XXVIII AIDI Summer School “Francesco Turco”, Genova, Italia)
Articolo: "Empowering rural districts with Urban- Industrial Symbiosis: A multi-objective model for Waste-to-Energy cogeneration and hydrogen sustainable networks"
- 2019 University Management Competition 2018/2019 (CESOP HR Consulting Group)
Roma (Italia), 08/05/2019