

# Alessandro Neri

09/04/1996

Department of Industrial Engineering

Alma Mater Studiorum – University of Bologna

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## Current Position

PhD Student in Automotive Engineering for Intelligent Mobility (Cycle XXXVIII)

Department of Industrial Engineering – University of Bologna

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

## Education

- 2022 – Present     **University of Bologna** – Bologna, Italy  
PhD in Automotive Engineering for Intelligent Mobility  
Mentors: Prof. Rita Gamberini, Dr. Maria Angela Butturi.
- 2017 – 2019     **University of Modena and Reggio Emilia** – Reggio Emilia, Italy  
MA in Management Engineering  
*Finale Grade: 110/110.*

## Honors and scholarships

- 2024     Best Paper DIN (Alma Mater Studiorum - Università di Bologna)  
*Paper title: "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, Italy)  
*Paper Title: "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)  
*Rome (Italy), 08/05/2019*

## Indexed Publications

- 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>

### Indexed Conference Proceedings

- 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](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>

### Teaching experience

- Fall 2020 **Teaching assistant, STAT 123: Course name here (University)**  
 Topics and description of your responsibilities. Aliquam volutpat est vel massa. Sed dolor lacus, imperdiet non, ornare non, commodo eu, neque.  
*Average student rating: X/5.*

## Talks and tutorials

- 2023 Speaker, VII International Workshop on Autonomous Remanufacturing  
*18-19 October — Caserta (Italy), "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](https://doi.org/10.1007/978-3-031-52649-7_5)*
- 2022 Speaker, XXVII Summer school "Francesco Turco"  
*07-09 September — Sanremo (Italy), "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*

## Honors and scholarships

- 2024 Best Paper DIN (Alma Mater Studiorum - Università di Bologna)  
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