

Fabian Brockmann
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PhD candidate specializing in innovative recharging strategies for electric mobility and their impact on various stakeholders. Dedicated to generating valuable insights for both industry and society.

Education

PhD in Economics (2022 – expected 2026)

NHH – Norwegian School of Economics

Dissertation title: “Flexible Charging Strategies for Electric Vehicles” (preliminary)

Supervisor: Professor Mario Guajardo

M.Sc. in Operations Management (2020 – 2022)

FHOOE – University of Applied Sciences Upper Austria

Supervisor: FH-Professor Klaus Altendorfer

B.Eng. in Industrial Engineering (2017 – 2020)

HSW – University of Applied Science Weserbergland

Supervisor: Professor Jörg Schulte

Teaching & Advisory

Teaching Assistant (since 2022)

Department of Business and Management Science, NHH

Pricing Analytics and Revenue Management

- Planning and teaching course content
- Designing and grading assignments

Supply Chain Management

- Grading assignments

Undergraduate Tutor (2019)

Department of Engineering, HSW

- Tutor in Mathematics for Engineers (Spring 2019)
- Tutor in Electrical Engineering 1 (Fall 2019)

Research Experience

PhD Research Scholar (2022 – expected 2026)

Department of Business and Management Science, NHH

- Researching on flexible charging applications for private households
- Researching on flexible charging applications for commercial use cases

Research Assistant (2021 – 2022)

Center of Excellence Smart Production, FHOOE

- Researching on production system simulations
- Researching on production planning under uncertainty

Completed Research Projects

InnoFIT (2021 - 2022)

Center of Excellence Smart Production, FHOOE

- <https://projekte.ffg.at/projekt/3042801>
- Project member

Conference & Workshop Presentations

“Effects of time-of-use electricity prices on electric vehicle schedules”, Speaker, 33rd European Conference on Operational Research, Copenhagen, Denmark, 2024

“Electric Vehicle Routing under EU Regulation: The Impact of Enforced Break Times”, Speaker, 21st CEMS Research Seminar on Supply Chain Management, Riezlern, Austria, 2024

“The Value of Flexibility in Electric Vehicle Charging”, Poster Session, NORS workshop “Reality bites”, Oslo, Norway, 2023

“Electric Vehicle Routing with Lunch Breaks”, Speaker, International Conference of Operations Research 2023, Hamburg, Germany, 2023

Conference Publications

Seiringer, W., Brockmann, F., Altendorfer, K., & Felberbauer, T. (2022). Influence of Forecast Error and Forecast Bias on Safety Stock on a MRP System with Rolling Horizon Forecast Updates. In Lecture Notes in Operations Research (pp. 421–426). Springer International Publishing.

Brockmann, F., & Altendorfer, K. (2022). Evaluation of Variance-Covariance-Matrix Application for Identifying Temporary Demand Shifts in a Forecast Evolution System. In Procedia Computer Science (Vol. 200, pp. 793–802). Elsevier BV.

Honors/Awards

Best Bachelor Thesis in the Engineering Program, University of Applied Science Weserbergland, Hameln, 2020

Winner of the German Project Management Championship, German Association for Project Management, Munich, 2019

References

Professor **Mario Guajardo**: Mario.Guajardo@nhh.no, +47 55 95 91 81

FH-Professor **Klaus Altendorfer**: klaus.altendorfer@fh-steyr.at, +43 5 0804 33150