

Sebastian Zwickl-Bernhard

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EDUCATION

Ph.D., Engineering Sciences, Technische Universität Wien, 2023 (expected)

Concentrations: Electrical Engineering

Dissertation: *Open Source Energy System Modeling in Multiple Energy Carrier Systems with High Shares of Local Renewable Energy*

Dissertation Advisors: Prof. Hans Auer

M.Sc., Electrical Engineering, Technische Universität Wien, 2020

Concentrations: Energy Engineering and Automation Technology

Thesis: *Open Source Energy Technology Portfolio Optimization of an Urban Energy Community Considering High Shares of Renewable Energy*

Thesis Advisor: Prof. Hans Auer

B.Sc., Electrical Engineering, Technische Universität Wien, 2018

TEACHING EXPERIENCE

Instructor, Technische Universität Wien, since 2020

Courses: Energy Modelling and Analysis, Selected Topics in Energy Economics and Environment, Open Source Energy System Modelling, Energy Network Economics

Teaching Assistant, Technische Universität Wien, 2019

Course: Selected Topics Energy Systems

RESEARCH EXPERIENCE

Research Stay, Norwegian University of Science and Technology (NTNU), 2022

Department of Industrial Economics and Technology Management under the supervision of Professor Pedro Crespo del Granado, Professor Asgeir Tomasgard, and Assoc. Prof. Stian Backe.

Research Fellow, International Institute for Applied Systems Analysis (IIASA), 2021

IIASA's annual 3-month Young Scientists Summer Program (YSSP) under the supervision of Daniel Huppmann, Ph.D.