

Curriculum Vitae

Dr.-Ing. Ann-Kathrin Klaas

Senior Research Consultant

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Work Experience

Since 2023

Senior Research Consultant at the Institute of Energy Economics at the University of Cologne (EWI)

2018 - 2023

Research and Teaching Assistant at the Institute of Electrical Power Engineering and Energy Systems of the Clausthal University of Technology

2013 - 2016

Tutor for Fundamentals of Electrical Engineering and Mentor for the degree program Energy Technologies at the Institute of Electrical Power Engineering and Energy Systems of the Clausthal University of Technology

Education

2021

Degree: Doctor of Engineering, Energy Systems Engineering

Dissertation: Design and operation of a Hydrogen Compressed Air Energy Storage power plant (HCAES) with simultaneous participation in various energy markets

2018 - 2023

Doctorate at the Clausthal University of Technology

2017

Degree: Master of Science, Energy Systems Engineering

Thesis: Use of PV generation for self-consumption of interruptible loads in the residential sector

2017

Erasmus-exchange at the Luleå University of Technology in Luleå, Sweden

2015 - 2017

Master's studies in Energy Systems Engineering at the Clausthal University of Technology

2015

Degree: Bachelor of Science, Energy Technologies

Thesis: Design of a battery storage to optimize the feed-in power of a wind power plant at the 110-kV voltage level

2012 - 2015

Bachelor's studies in Energy Technologies at the Clausthal University of Technology

Internships

tekmar Regelsysteme GmbH, Essen-Kupferdreh, 2017

Avacon AG, Salzgitter, 2015

Research Interests

Modeling of energy systems, large-scale energy storage systems, energy transition in the residential sector