



Benjamin Mitterutzner

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Profile

Research Assistant working on negative emission technologies (NETs) and solar radiation management techniques (SRMs) in the context of climate change mitigation.

Professional experience

RESEARCH ASSISTANT, HYCENTA RESEARCH GMBH, GRAZ - 2018-2019 (1 YEAR 8 MONTHS)

Hydrogen research company; working in the infrastructure team on the transition to renewable energies with hydrogen as the key element for power-to-storage as well as for the mobility sector.

QUALITY ENGINEER, GKN SINTER METALS AG, BRUNICO - 2020-2020 (4 MONTHS)

Automotive components business; working in the area of quality engineering on behalf of the shift to Quality Management 4.0.

RESEARCH ASSISTANT, IIASA, LAXENBURG - 2020-TODAY (ONGOING)

International research institute; working under the research project GENIE (ERC Synergy Grant) on the technology portfolios of GGR and SRM in order to tackle climate change.

Education

Graz University of Technology, Graz, Austria - BSc Mechanical Engineering, 2013

University of Stavanger (UiS), Stavanger, Norway - 2013

Norwegian University of Science and Technology (NTNU), Trondheim, Norway - 2015

Graz University of Technology, Graz, Austria - MSc Mechanical Engineering and Business Economics, 2020; Master's thesis: „Process simulation of the Graz power cycle“

Expertise and research interests

Energy technology, Energy systems engineering, CO₂ capture, Process modeling and simulation, Power cycles, Hydrogen engineering, Negative emission technologies.

Publications

2021. A part-load analysis and control strategies for the Graz Cycle (lead author - *in review*)