

REFLEX PhD Candidate

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PHD THESIS

Title

Impact of sector coupling technologies on the regional final energy demand

PROFESSIONAL EXPERIENCE

- since 03/2017 Research Associate at Fraunhofer Institute for Systems and Innovation Research ISI, Karlsruhe, Germany
- Energy system modelling
 - Analysis of transformation pathways of energy demand and energy efficiency
- 10/2012 - 12/2014 Research Associate at University of Applied Sciences Nordhausen, Institute for Renewable Energy Technologies, Germany
- Analysis and modelling of defects of PV-modules
 - Design and carry out lab tests

EDUCATION

- 10/2012 – 07/2015 Studies of Systems Engineering at University of Applied Sciences Nordhausen, Degree: Master of Engineering (M.Eng.)
- 09/2009 - 09/2012 Studies of Renewable Energies at University of Applied Sciences Nordhausen, Degree: Bachelor of Engineering (B.Eng.)

RESEARCH INTERESTS

- Energy system modelling
- Spatial analyses
- Energy supply technologies and demand projections

PUBLICATIONS AND CONFERENCE PRESENTATIONS

Manz, P; Wesselak, V.; Voswinckel, S.; Fokuhl, E.; Trautmann, B., Schmidt, C.: Leakage Current Pathways and Magnitudes in correlation to PID of CIGS Thin Film Modules. 29th European Photovoltaic Solar Energy Conference, 2014.