



TILL SCHMIDT

EDUCATION

11.2024 - 11.2027

University of Bordeaux, France

PhD Student at the doctoral school of science, physics and engineering and IMS Laboratory

Innovation in space-based solar power (SBSP) through advanced rectenna technology and sub-THz wireless energy transmission as part of the “REMPower” project funded by the European Innovation Council

Thesis title: “Nonlinear measurements platform for Sub-THz rectifier and rectenna characterization”

10.2017 - 07.2019

Technical University Dresden, Germany

02.2020 - 08.2024

Degree Program Electrical Engineering (Dipl. -Ing.)

Specialisation in communications and information technology

Bachelor's thesis:

Development of a broadband antenna for a rover-based georadar

Master's thesis:

Development of a detector matrix for antenna characterisation

- Hardware design of a diode detector
- Testing and verification of the circuit
- Measurement analysis in python

Relevant coursework:

- Digital signal processing systems
- High-frequency systems
- Introduction in RF measurements

Final grade: 1.9

08.2019 - 01.2020

Linköping University, Sweden

Participation in the Erasmus+ programme of the European Commission

Focus on physical fundamentals of electrical engineering and renewable energies

RESEARCH INTERESTS

- Radio frequency (RF) / mm-wave systems
- Wireless power transfer
- non-linear measurement methods
- mm-wave/sub-THz device characterisation

SKILLS

Languages

German, English (C1), French (B1)

Hobbies

Photography, Reading, Running, Badminton