

LUKAS LAUS-HABICHT

Phone
E-Mail
LinkedIn Link

Street house no. // Postcode town

Work authorisation: Residence permit
for work or research purposes,
eligible for employment in Germany

10/20xx – 06/20xx

**Institute for sustainable
energies (INSE),
University Frankfurt**
Frankfurt am Main

06/20xx

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energies (INSE),
University Frankfurt**
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10/20xx – 09/20xx

Technical University Berlin
Berlin

10/20xx – 09/20xx

University of Michigan
Michigan, USA

10/20xx – 09/20xx

Technical University Berlin
Berlin



Professional experience

RESEARCH ASSOCIATE IN ENVIRONMENTAL ENGINEERING

- // Research in the field of renewable energies and environmentally friendly material development
- // Head of the project "Optimisation of materials for wind turbines" in cooperation with the German Research Foundation (DFG)
- // Collaboration with various industrial partners to develop innovative solutions for the energy transition
- // Personnel responsibility: Technical management of doctoral students, master's students and research assistants

Doctorate

SUBJECT "SUSTAINABLE MATERIALS IN WIND ENERGY"

- // Investigation and development of materials to increase the efficiency of Wind turbines
- // Simulation and modelling of material properties in wind turbine components
- // Participation in international conferences and presentations on research results
- // grade: "summa cum laude"

Studies

MASTER OF SCIENCE MECHANICAL ENGINEERING

- // Focus: Solid mechanics, renewable energies
- // Master's thesis: "Optimisation of rotor blades for wind turbines"
- // Final grade: 1,4 (1="very good", 2="good")

SEMESTER ABROAD IN "ENGINEERING"

- // Relevant courses: Materials science, sustainable materials

BACHELOR OF SCIENCE MECHANICAL ENGINEERING

- // Focus: Thermodynamics, structural analysis
- // Bachelor's thesis: "Energy generation from wind - modelling and analysis of wind turbines"
- // Final grade: 1,7 (1="very good", 2="good")

06/20xx – today

EnergieTech GmbH
Frankfurt am Main

Practical experience

WORKING STUDENT IN PRODUCT DEVELOPMENT AND DESIGN

- // Support in the development of innovative solutions for sustainable energy generation
- // Carry out simulations and structural analyses of components for wind turbines
- // Create technical drawings and 3D models for the further development of prototypes
- // Collaborate with the development team and production to implement new designs

10/20xx– 06/20xx

GreenEnergy Solutions
Berlin

INTERNSHIP, DEPARTMENT OF MATERIALS SCIENCE

- // Conducting laboratory tests to investigate material properties under extreme conditions
- // Supporting the development of environmentally friendly materials for use in wind and solar power plants
- // Analysing test data and preparing reports to optimise materials

10/20xx– 06/20xx

ABC Maschinenbau AG
Munich

INTERNSHIP, PRODUCTION OPTIMISATION

- // Analysis and optimisation of production processes in the manufacture of machine components
- // Participation in the introduction of lean management methods to increase efficiency
- // Support of the teams in the introduction of new machines and technologies

10/20xx

Europa-Gymnasium
Wörth

School

HIGH-SCHOOL DIPLOMA (ABITUR)

- // Final grade: 2,0 (1="very good", 2="good")

01/20xx – 01/20xx

**Karlsruhe Institute of
Technology**
Karlsruhe

Voluntary work

CHAIRPERSON OF THE PROMOTIONAL ASSOCIATION

- // Organisation of network meetings, workshops and mentoring programmes
- // Representation of doctoral candidates vis- à-vis university committees and external partners

08/20xx – 04/20xx

Technical University Berlin
Berlin

MEMBER OF UNICEF UNIVERSITY GROUP

- // Sponsorship and external communication

20xx

Selected publications

L. Laus-Habicht, J. Maier, U. Schmidt, M. Müller, et al., SAMPLE TITLE Int. J. Refract. Met. Hard Mater. 54 (20xx) 251 – 269.

20xx

L. Laus-Habicht, A. Müller, M. Becker, A. Koch, H. Ziegler, et al., SAMPLE TITLE, Adv. Eng. Mater. (20xx) 391 – 401.

Knowledge and skills

SOFTWARE SKILLS

// MATLAB	Very good knowledge
// Python	Very good knowledge
// AutoCAD	Good knowledge

LANGUAGE

// English	fluent
// German	native speaker

Interests

- // Travelling
- // Outdoor activities
- // Climbing

References

DR. GISELA HAMMERSCHMIDT

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PROF. DR. HANNAH FUHRMANN

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Karlsruhe, 16.10.20xx

unterschrift