

Curriculum Vitae

Leonie Neuhäuser

Education

- Since 09/2019: **Hertie School of Governance**
PhD Candidate, Doctoral Programme in Governance
- 10/2018 - 10/2019: **University of Oxford**
M.Sc. in Mathematical Modelling and Scientific Computing
Master thesis: "*Non-Linear Interactions and Temporal Dynamics on Higher-Order Networks*"
- 10/2014 - 10/2018: **University of Bonn**
B.Sc. in Mathematics
Bachelor Thesis: "*Machine Learning of Variational Problems in Image Reconstruction*"
B.Sc in Psychology (*ongoing*)
- 08/2016 - 03/2017: **Benemérita Universidad Autónoma de Puebla**
Academic exchange

Academic and Professional Positions

- 12/2017 - 02/2018: **KAUST Computational Sciences Group**
Thuwal, Saudi-Arabia
- 10/2017 - 12/2017: **Consulate General of the Federal Republic of Germany**
Jeddah, Saudi-Arabia
- 04/2017 - 09/2017: **Institute for Numerical Simulation, University of Bonn**
Bonn, Germany

Scholarships and Awards

Hertie School of Governance: Full Scholarship and living stipend awarded for PhD studies.

Keeley Senior Scholarship: Awarded one of the eleven Senior Scholarships of Wadham College, University of Oxford.

Mathematical Institute, University of Oxford: Stipend for graduate studies.

German Mathematics Society (DMV): Fellowship of the main professional society of German Mathematicians in honour of outstanding performance in graduation examinations (Abiturpreis).

German Academic Scholarship Foundation (Studienstiftung): Fellowship for full undergraduate and graduate studies.

Skills

Programming and word processing: C/C++, MATLAB, Python, MS Office, LaTeX

Languages: German (native), English (fluent), Spanish (conversational), French (intermediate)

Publications

2019: A. Effland, E. Kobler, A. Brandenburg, T. Klatzer, L. Neuhäuser, M. Hölzel, J. Landsberg, T. Pock, and M. Rumpf. Joint reconstruction and classification of tumor cells and cell interactions in melanoma tissue sections with synthesized training data. In *Int. J. Comput. Assist. Radiol. Surg.*, 2019.

2018: A. Effland, M. Hölzel, T. Klatzer, E. Kobler, J. Landsberg, L. Neuhäuser, T. Pock, and M. Rumpf. Variational networks for joint image reconstruction and classification of tumor immune cell interactions in melanoma tissue sections. In *Bildverarbeitung für die Medizin*, 2018.