

Adrian Montgomery Ruf

Curriculum Vitae

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📄 [adrianmruf.github.io](https://github.com/adrianmruf)

Education/Employment

- 2018 **Guest Researcher**, *ETH Zürich*, Switzerland.
Duration: Three months
Supervisor: Prof. Siddhartha Mishra
- since 2016 **PhD Mathematics**, *University of Oslo*, Norway.
Marie Skłodowska–Curie research position in the ModCompShock network
Supervisor: Prof. Nils Henrik Risebro
- 2013–2016 **MSc Mathematics**, *TU Berlin*, Germany.
Thesis: *A class of nonlinear Evolution equations of second order*
Supervisor: Prof. Etienne Emmrich
- 2008–2013 **BSc Mathematik**, *TU Berlin*, Germany.
Thesis: *Operations for nonnegative forms with an application to contents*
Supervisor: Prof. Karl-Heinz Förster

Publications

- 2018 Ridder, J. and A.M. Ruf. “A convergent finite difference scheme for the Ostrovsky–Hunter equation with Dirichlet boundary conditions”. Submitted to BIT Numerical Mathematics.
- 2017 Ruf, A. M. “Convergence of a full discretization for a second-order nonlinear elastodynamic equation in isotropic and anisotropic Orlicz spaces”. In: *Zeitschrift für angewandte Mathematik und Physik* 68.5, p. 118. DOI: 10.1007/s00033-017-0863-z.

Awards and Scholarships

- 2018 **Scholarship for an academic secondment**, *ETH Zürich*, Switzerland.
- 2018 **Funding to attend HYP2018**, *Penn State University*, State College, USA.
XVII International Conference on Hyperbolic Problems: Theory, Numerics, Applications

Academic experience

- 2018 **Supervision of Bachelor students**, *University of Oslo*.
- 2010–2016 **Teaching assistant**, *TU Berlin*.
Supervision of courses in
 - Functional analysis
 - Analysis
 - Analysis for engineersin both German and English

- 2015–2016 **Student assistant**, *Matheon Research Center*, Berlin.
- Organization of the Matheon advent calendar for students
 - Coordination and revision of the calendar puzzles and solutions
 - Donor acquisition
- 2015 **Coordinating assistant**, *TUBS*, Berlin.
- 79th annual meeting of the DPG.
- Coordination of the Conference check in
 - Service at the info desk
- 2011–2012 **Student assistant**, *Unitus project*, TU Berlin.
- Created and improved activity oriented learning materials used in mathematical courses for engineers, e.g.
- supporting teaching material
 - online platform Mumie
 - guidelines for tutorials
 - exam analyses
- 2009–2011 **Freelancer**, *Uniseminar Education AG*, Zürich.
- Created and typesetted various mathematical teaching materials in \LaTeX for the courses
- Mathematics I & II
 - Mathematical economics

Languages

German	Mother tongue
English	Proficient
Finnish	Basic knowledge
Norwegian	Basic knowledge