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## Personal data

Research Assistant (Akademische Rätin a.Z.)
No Children

## University degree

| | |
|---|---|
| 1997 – 2002 | Applied Mathematics, Saint-Petersburg State University, Faculty of Applied Mathematics and Control Processes, Diploma in Mathematics (Prof. Dr. D. Ovsyannikov) |

## Academic qualification

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|---|---|
| 2017 | Habilitation in Theoretical Physics, Westfälische Wilhelms-Universität Münster |
| 2007 | PhD in Physics, Westfälische Wilhelms-Universität Münster (Prof. Dr. H. -G. Purwins) |

## Professional career after graduation

| | |
|---|---|
| Since 2013 | Research Assistant (Akademische Rätin a.Z.) at the Institute for Theoretical Physics, Westfälische Wilhelms-Universität Münster |
| 2007 – 2013 | Postdoctoral fellow (Wissenschaftliche Mitarbeiterin) at the Institute for Theoretical Physics, Westfälische Wilhelms-Universität Münster (Workgroup of Prof. R. Friedrich) |
| 2007 | PhD in Physics, Thesis: Lateral self-organization in nonlinear transport systems described by reaction-diffusion equations (magna cum laude). Supervisor: Prof. Dr. H.-G. Purwins |
| 2003 – 2007 | PhD student at the Institute of Applied Physics, Westfälische Wilhelms-Universität Münster (Workgroup Prof. Dr. H.-G. Purwins) |
| 2002 | Diploma (with honours) in mathematics. Topic of the thesis: Optimization of longitudinal motion of charged particles in linear accelerator with drift tubes. Supervisor: Prof. Dr. D. Ovsyannikov |

**Other Scientific Awards, Appointments and Professional Recognition**

Member: Deutsche Physikalische Gesellschaft (DPG), Center for Nonlinear Science, Westfälische Wilhelms-Universität Münster (Vorstandsmitglied), Center for Multiscale Theory and Computation (CMTC)

2016-2018: Erstklassig: a mentoring program of the University of Münster for outstanding young female scientists

2017: Invited Guest Professor at the NonLinear Waves Group, Departament de Física, Universitat de les Illes Balears, Spain;

2018: Invited Guest Professor at the Institut Lumière Matière, Claude Bernard University Lyon 1, France;

2018: Teaching award of the Department of Physics of the University of Münster

**Selected publications**


1. Functional mapping for passively mode-locked semiconductor lasers, C. Schelte, J. Javaloyes, and S. V. Gurevich. **Opt. Lett.**, 43, 11, (2018) 2535–2538.

2. Nudged elastic band calculation of the binding potential for liquids at interfaces, O. Buller, W. Tewes, A. Archer, A. Heuer, U. Thiele, and S. V. Gurevich, **J. Chem. Phys.**, 2017, (2017) 094704.

3. Comparing kinetic Monte Carlo and thin-film modeling of transversal instabilities of ridges on patterned substrates, W. Tewes, O. Buller, A. Heuer, U. Thiele, and S. V. Gurevich, **J. Chem. Phys.**, 146, 9, (2017), 094704.

4. Sliding drops – ensemble statistics from single drop bifurcations, M. Wilczek, W. Tewes, S. Engelnkemper, S.V. Gurevich, and U. Thiele. **Phys. Rev. Lett.**, 119 (2017) 204501.

5. Bound pulse trains in arrays of coupled spatially extended dynamical systems, D. Puzyrev, A.G. Vladimirov, A. Pimenov, S.V. Gurevich, and S. Yanchuk, **Phys. Rev. Lett.**, 119 (2017) 163901.

6. Morphological transitions of sliding drops: Dynamics and bifurcations , S. Engelnkemper, M. Wilczek, S. V. Gurevich, and U. Thiele, **Phys. Rev. Fluids**, 1, (2016), 073901.

7. Instabilities of layers of deposited molecules on chemically stripe patterned substrates: Ridges versus drops, C. Honisch, T.-S. Lin, A. Heuer, U. Thiele, and S. V. Gurevich. **Langmuir**, 31, 38, (2015) p.10618–10631.

8. Synchronization of spin Hall nano-oscillators to external microwave signals, V. E. Demidov, H. Ulrichs, S. V. Gurevich, S. O. Demokritov, V. S. Tiberkevich, A. N. Slavin, A. Zholud, and S. Urazhdin, **Nature Communications** 5 (2014) 3179.

9. Instabilities of localized structures in dissipative systems with delayed feedback, S. V. Gurevich and R. Friedrich, **Phys. Rev. Lett**. 110 (2013) 014101.

10. Structure formation by dynamic self-assembly, L. Li, M. H. Köpf, S. V. Gurevich, R. Friedrich, and L. Chi, **Small** 8 (2012) 488.