

1 (Short) Curriculum Vitae

1.1 Personal Data

Name: Robin Steinigeweg
Date of birth: somewhen in 1979
Place of birth: somewhere in Germany
Citizenship: German
Family status: married
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1.2 Field of Research and Interest

- solid state physics
- statistical physics
- computational physics
- transport, relaxation, and dynamics in many-body quantum systems
- equilibration and thermalization
- low-dimensional spin systems

1.3 Positions in Science (anti-chronological)

since 08.2020 **full professor** at the University Osnabrück, Germany
(own group *Transport and Relaxation in Many-Body Systems*)

2018 – 2025 **spokesperson** of the DFG Research Unit FOR 2692
• title: *Fundamental Aspects of Statistical Mechanics and the Emergence of Thermodynamics in Non-Equilibrium Systems*

07.2017 successful completion of the early
mid-term evaluation of the junior professorship

10.2015 – 08.2020 **junior professor** at the University Osnabrück, Germany

(own group *Transport and Relaxation in Many-Body Systems*)

- 09.2012 – 10.2015 4. **postdoc position** and **lecturer** at the TU Braunschweig, Germany
(group *Solid State Theory*, Prof. Dr. W. Brenig)
- 08.2011 – 09.2012 3. **postdoc position** at the Jožef Stefan Institute, Ljubljana, Slovenia
(group *Condensed Matter and Statistical Physics*, Prof. Dr. P. Prelovšek)
- 10.2009 – 08.2011 2. **postdoc position** at the TU Braunschweig, Germany
(group *Solid State Theory*, Prof. Dr. W. Brenig)
- 08.2008 – 10.2009 1. **postdoc position** at the University Osnabrück, Germany
(group *Quantum Thermodynamics*, Prof. Dr. J. Gemmer)

1.4 Education (anti-chronological)

- 06.2005 – 08.2008 **PhD student** at the University Osnabrück, Germany
- degree: Dr. rer. nat.
 - passed: **with distinction**
 - PhD thesis: *Application of projection operator techniques to transport investigations in closed quantum systems*
(group *Quantum Thermodynamics*, Prof. Dr. J. Gemmer)
08. – 09.2006 **summer student** at the Centro Internacional de Ciencias, Cuernavaca, Mexico
- topic: *Quantum Chaos*
- 10.2000 – 04.2005 **physics student** at the University Osnabrück, Germany
- degree: Dipl.-Phys.
 - passed: **with distinction**
 - diploma thesis: *Zur Dynamik von klassischen Heisenberg-Systemen: Klassen integrierbarer Systeme und symplektische Integriatoren für nicht integrierbare Systeme*
(group *Macroscopic Systems and Quantum Theory*, Prof. Dr. K. Bärwinkel)
08. – 09.2003 **summer student** at the Hahn Meitner Institute, Berlin
- topic: *Strukturforschung, Methoden und Instrumente*
- 1990 – 1999 student at the Kardinal-von-Galen-Gymnasium Mettingen
- degree: Abitur
 - passed: very good (1.3)
- 1985 – 1990 student at the Grundschule Halen

1.5 Positions outside Science

- 08.1999 – 05.2000 civilian service at the Sozialdienst katholischer Frauen e.V., Ibbenbüren, Germany

1.6 Awards

2008	PhD thesis: with distinction
2005	award of the H. Rosen Engineering GmbH for Outstanding Works in Physics
2005	diploma thesis: with distinction

1.7 Commissions of Trust

2023 – 2026	member of the council of the Department of Mathematics / Computer Science / Physics
2024 – 2026	member of the examination board and selection committee for physics
2024 – 2026	member of the commission for information and communication
2024 – 2026	deputy member of the senate of the University Osnabrück <ul style="list-style-type: none">• member in summer term 2024 and winter term 2024/2025
2024 – 2026	deputy member of the council of the Institute of Physics
2022 – 2024	member of the senate of the University Osnabrück <ul style="list-style-type: none">• member of the commission for appointments and administration• deputy member of the commission for finance and development
2022 – 2024	deputy member of the selection committee for nanosciences
2021 – 2023	member of the study commission of the Department of Physics
since 2020	reviewer for the <i>Deutsche Forschungsgemeinschaft</i>
2016 – 2023	member of the council of the Department of Physics
2016 – 2023	IT coordinator of the Department of Physics
since 2016	fire protection and evacuation assistant
since 2008	reviewer for the journals <i>Physical Review Letters</i> , <i>Physical Review B</i> , <i>Physical Review E</i> (more than 150 requests) and several other international journals

1.8 Funding

2018 – 2025	coordination fund of the DFG Research Unit FOR 2692 <ul style="list-style-type: none">• title: <i>Fundamental Aspects of Statistical Mechanics and the Emergence of Thermodynamics in Non-Equilibrium Systems</i>
2021 – 2025	principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Nonequilibrium Dynamics in 2D Clusters from the Perspective of Quantum Typicality and Eigenstate Thermalization</i>
2021 – 2025	(co-)principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Combinations of Damped Harmonic Oscillations as Stable Building Blocks of Autocorrelation Functions in Quantum Many-Body Systems</i>

2021 – 2025	(co-)principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Decoherence and Relaxation in Quantum Spin Clusters</i>
2018 – 2021	principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Real-Time and Real-Space Dynamics of Far-From-Equilibrium States in Isolated Quantum Systems</i>
2018 – 2021	(co-)principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Asymptotic Validity of the Jarzynski Relation for Non-Gibbsian Initial States in Isolated Quantum Systems</i>
2018 – 2021	(co-)principal investigator of a FOR 2692 project <ul style="list-style-type: none">• title: <i>Decoherence and Relaxation in Quantum Spin Clusters</i>
2018 – 2021	PhD position from the innovation pool of the University Osnabrück, Germany

1.9 Member in Scientific Networks

since 2021	regular member of the <i>Deutscher Hochschulverband</i>
since 2020	regular member of the <i>Universitätsgesellschaft Osnabrück</i>
since 2017	regular member of the <i>American Physical Society</i>
since 2016	member of the profile <i>Mathematische Strukturen und Modelle</i> of the University Osnabrück
since 2005	regular member of the <i>Deutsche Physikalische Gesellschaft</i>

1.10 Publications, Contributions to Scientific Events, and Teaching

- 71 publications, including 17 Letters
- more than 100 contributions to scientific events, including several invited talks at international workshops, as well as organization of own workshops
- several lectures at the TU Braunschweig and the University Osnabrück, including *Physikalische Rechenmethoden I*, *Moderne Physik*, *Visualisierung I & II*, *Mathematische Methoden der Physik I & II*, *Klassische Spinsysteme*, *Numerische Physik der kondensierten Materie*, *Theorie der kondensierten Materie*, *Transport- und Relaxationsdynamik in Quantensystemen*
- more information: <http://www.robin-st.de>

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