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
Business address:	University Osnabrück Department of Mathematics / Computer Science / Physics Institute of Physics Barbarastr. 7 D-49076 Osnabrück Germany
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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 – 2026	**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 integrabler Systeme und symplektische Integratoren für nicht integrable 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 – 2028	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 – 2028	deputy member of the **senate** of the University Osnabrück • 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 • 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 *Deutsche Forschungsgemeinschaft*
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 *Physical Review Letters*, *Physical Review B*, *Physical Review E* (more than 150 requests) and several other international journals

1.8 Funding

2018 – 2026	**coordination fund** of the DFG Research Unit FOR 2692 • title: *Fundamental Aspects of Statistical Mechanics and the Emergence of Thermodynamics in Non-Equilibrium Systems*
2021 – 2026	**principal investigator** of a FOR 2692 project • title: *Nonequilibrium Dynamics in 2D Clusters from the Perspective of Quantum Typicality and Eigenstate Thermalization*
2021 – 2026	**(co-)principal investigator** of a FOR 2692 project • title: *Combinations of Damped Harmonic Oscillations as Stable Building*

Blocks of Autocorrelation Functions in Quantum Many-Body Systems

2021 – 2026	**(co-)principal investigator** of a FOR 2692 project • title: *Decoherence and Relaxation in Quantum Spin Clusters*
2018 – 2021	**principal investigator** of a FOR 2692 project • title: *Real-Time and Real-Space Dynamics of Far-From-Equilibrium States in Isolated Quantum Systems*
2018 – 2021	**(co-)principal investigator** of a FOR 2692 project • title: *Asymptotic Validity of the Jarzynski Relation for Non-Gibbsian Initial States in Isolated Quantum Systems*
2018 – 2021	**(co-)principal investigator** of a FOR 2692 project • title: *Decoherence and Relaxation in Quantum Spin Clusters*
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 *Deutscher Hochschulverband*
since 2020	regular member of the *Universitätsgesellschaft Osnabrück*
since 2017	regular member of the *American Physical Society*
since 2016	member of the profile *Mathematische Strukturen und Modelle* of the University Osnabrück
since 2005	regular member of the *Deutsche Physikalische Gesellschaft*

1.10 Publications, Contributions to Scientific Events, and Teaching

- 80 publications, including 19 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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