Cornelia Vogel

Contact Information

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Personal Information

Born	March 8, 1995 in Augsburg, Germany
Citizenship	German

Education

since 10/2019	**PhD (Mathematics)**, University of Tübingen
	Supervisors: Prof. Dr. Stefan Teufel, Prof. Dr. Roderich Tumulka
10/2018 – 10/2019	**Master of Science (Mathematics)**, University of Stuttgart
	Thesis: *Dynamics of the Polaron*
	Supervisor: Prof. Dr. Marcel Griesemer
10/2015 – 09/2018	**Master of Science (Physics)**, University of Tübingen
	Thesis: *A Mathematical Analysis of the Quantum Equilibrium Hypothesis*
	Supervisor: Prof. Dr. Stefan Teufel
10/2015 – 07/2018	**Bachelor of Science (Mathematics)**, FernUniversität in Hagen
	Thesis: *Laws of Large Numbers and Central Limit Theorems for Curie-Weiss Spin Subsystems*
	Supervisor: Prof. Dr. Werner Kirsch
10/2012 – 09/2015	**Bachelor of Science (Physics)**, University of Stuttgart
	Thesis: *Study of the Hartle-Thorne Metric for Rotating Neutron Stars with Methods from Relativistic Visualisation*
	Supervisor: Prof. Dr. Günter Wunner
10/2012 – 09/2015	**Bachelor of Science (Psychology)**, FernUniversität in Hagen
	Thesis: *Dual-Tasks and Optimisation Mechanisms in Dual-Task Performance through Training - An Empirical Study about Dual-Task Performance in Old Age*
	Supervisor: Prof. Dr. Tilo Strobach
06/2012	**Abitur**, Friedrich-Schiller-Gymnasium Fellbach

Scholarships

since 09/2021	Doctoral Scholarship from the German Academic Scholarship Foundation (*Studienstiftung des deutschen Volkes*)
10/2012 – 09/2013	Deutschlandstipendium, University of Stuttgart

Publications and Preprints

[2] S. Teufel, R. Tumulka and C. Vogel. Typical Macroscopic Long-Time Behavior for Random Hamiltonians, 2023, Preprint. arXiv:2303.13242

[1] S. Teufel, R. Tumulka and C. Vogel. Time Evolution of Typical Pure States from a Macroscopic Hilbert Subspace. *Journal of Statistical Physics*, 190(69), 2023. arXiv:2210.10018

Talks and Posters

08/2022   *Typical Macroscopic Long-Time Behavior for Random Hamiltonians* (Contributed Talk), Laws of Nature Conference, Munich, Germany

08/2022   *Generalized Normal Typicality* (Contributed Talk), Summer School: The Nature of Entropy II: Arrow of Time, Kochel am See, Germany

06/2022   *Typical Macroscopic Long-Time Behavior for Random Hamiltonians* (Contributed Poster), Probability and Mathematical Physics, Helsinki, Finland

Conferences and Schools

03/2023   *Scaling limits and generalized hydrodynamics*, L'Aquila, Italy (online)

08/2022   *Laws of Nature Conference*, Munich, Germany

08/2022   *Summer School: The Nature of Entropy II: Arrow of Time*, Kochel am See, Germany

06–07/2022   *Probability and Mathematical Physics*, Helsinki, Finland

06/2022   *Mathematical results of many-body quantum systems*, Herrsching, Germany

09/2021   *Statistical and Quantum Mechanics: reconsidering their foundations in the light of new cutting edge experiments and theoretical models*, L'Aquila, Italy (online)

08/2021   *International Congress on Mathematical Physics* (ICMP), Geneva, Switzerland

07/2021   *Young Researcher Symposium* (YRS), Geneva, Switzerland

07/2021   *Summer School: Current Topics in Mathematical Physics*, Zurich, Switzerland

04–06/2021   *SRF Course: Soliton stability in nonlinear dispersive PDEs set on the line* (online)

03/2021   *Gran Sasso Quantum Meetings: From Equilibrium Phenomena Towards Open Quantum Systems* (online)

07/2019   *Summer School: The Nature of Entropy I : From thermodynamics to black holes*, Saig, Germany

Teaching Experience

Winter 2020/21   Teaching Assistant for *Mathematical Quantum Theory*, University of Tübingen

Summer 2020   Teaching Assistant for *Mathematical Statistical Physics*, University of Tübingen

Winter 2019/20   Teaching Assistant for *Analysis 2*, University of Tübingen

Summer 2017   Tutor for *Stochastics*, University of Tübingen

Summer 2015   Tutor for *Linear Algebra and Analytical Geometry II*, University of Stuttgart

Winter 2014/15   Tutor for *Linear Algebra and Analytical Geometry I*, University of Stuttgart

Summer 2014   Tutor for *Linear Algebra and Analytical Geometry II*, University of Stuttgart

Winter 2013/14   Tutor for *Linear Algebra and Analytical Geometry I*, University of Stuttgart

Languages

German	Native speaker
English	Fluent
Latin	Advanced ("Großes Latinum", 2012)
Italian	Intermediate

Tübingen, March 28, 2023