Sebastian Gottwald

Contact Information

Institute of Mathematics	*Phone:*	+49 (0)89 2180 4403
University of Munich	*Fax:*	+49 (0)89 2180 4032
Theresienstr. 39	*Email:*	gottwald@math.lmu.de
D-80333 Munich	*Website:*	http://www.math.lmu.de/~gottwald/

Personal Information

Born on November 13, 1985 in Laupheim, Germany

Current Positions

Teaching Assistant, Apr 2013 – present
at the Institute of Mathematics, University of Munich (LMU)

PhD Student, Apr 2013 – present
Advisor: Prof. Thomas Østergaard Sørensen, PhD., Institute of Mathematics, LMU

Education

M.Sc., 2013 (*passed with high distinction*)
Elite master program *Theoretical and Mathematical Physics* of the Elite Network of Bavaria,
a joint program of the Mathematics and Physics Departments of the LMU and TUM.

B.Sc. in Physics, 2010
Faculty of Physics, University of Munich

Honors and Fellowships

Fellow of the *Richard-Winter scholarship*, 2010 – 2013

Selected to enter the elite graduate program *Theoretical and Mathematical Physics* at the
University of Munich, 2010

Fellow of the *e-fellows.net* online scholarship and career network, 2006 – present

Ferry Porsche Prize "for outstanding performance in Mathematics and Physics courses", 2005

2nd prize at *Jugend forscht*, 2000 (German youth science competition)

Theses

Master's thesis, *Semiclassical quantum dynamics via the method of Stationary Phase for a rigorous approach to Feynman Path Integrals*, Date of Defense: March 20, 2013
Advisor: Prof. László Erdős, PhD., Chair of Applied Mathematics and Numerics, LMU

Bachelor's thesis, *Functional integral for gauge potentials and bosonic strings*, 2010
Advisor: Prof. Dr. Dieter Lüst, Chair of Mathematical Physics, LMU

Teaching Experience and Positions

Teaching Assistant in the following courses held at the LMU:
Functional Analysis, Prof. Thomas Østergaard Sørensen, PhD, Summer 2016
Functional Analysis II, Prof. Thomas Østergaard Sørensen, PhD, Winter 2015/2016
Functional Analysis, Prof. Martin Fraas, PhD, Summer 2015
Functional Analysis II, Prof. Thomas Østergaard Sørensen, PhD, Winter 2014/15
Functional Analysis, Prof. Dr. Peter Müller, Summer 2014
Analysis for Computer Scientists and Statisticians, Prof. Dr. Peter Otte, Winter 2013/2014
Topology and Differential Calculus in Several Variables, Prof. Dr. Merkl, Summer 2013

Student Assistant (tutor, marker, etc.) in the following courses held at the LMU:
Mathematical Quantum Mechanics, Prof. László Erdős Ph.D., Winter 2012
Measure and Integration Theory, Dr. Ralf Gerkmann, Summer 2012
Functional Analysis II, Prof. Thomas Østergaard Sørensen Ph.D., Winter 2011
Mathematics II for Natural Scientists, PD Dr. Doris Jakubassa-Amundsen, Summer 2011
Linear Algebra, Prof. Dr. Peter Pickl, Summer 2011
Mathematics I for Natural Scientists, PD Dr. Doris Jakubassa-Amundsen, Winter 2010
Mathematics II for Natural Scientists, PD Dr. Doris Jakubassa-Amundsen, Summer 2010
Classical Mechanics (T1), Prof. Dr. Jan von Delft, Summer 2009
Quantum Mechanics (T2), Prof. Dr. Stefan Kehrein, Winter 2007

Posters and presentations

Poster *Two-term spectral asymptotics for the pseudo-relativistic kinetic energy operator with Dirichlet boundary condition on a bounded domain*, Munich, MCQ Poster Day 2014

Poster *Two-term spectral asymptotics for the pseudo-relativistic kinetic energy operator with Dirichlet boundary condition on a bounded domain*, Göttingen, Spectral Geometry 2014