

Curriculum Vitae

Roland Donninger

Personal

Name: Roland Donninger

Date of birth: November 27, 1977

Place of birth: Ried im Innkreis, Austria

Citizenship: Austrian

Languages: German (native), English (fluent), French (basic)

Field of expertise: Nonlinear PDEs, Mathematical Physics, General Relativity, Spectral Theory, Harmonic Analysis, Numerics

Current work address: University of Vienna, Faculty of Mathematics, Oskar-Morgenstern-Platz 1, 1090 Vienna, Austria

E-Mail: roland.donninger@univie.ac.at

Web: <http://homepage.univie.ac.at/roland.donninger>

Current Position

Associate Professor University of Vienna

Education

PhD University of Vienna, November 2007
Advisor: Peter C. Aichelburg

MSc University of Vienna, June 2004
Advisor: Peter C. Aichelburg

Studies of Mathematics and Physics University of Vienna, 1997 – 2004

Appointments

Associate Professor University of Vienna, as of May 2018

Assistant Professor University of Vienna, September 2017 – April 2018

Research Group Leader University of Bonn, October 2014 – August 2017

Research Associate (Postdoc) Swiss Federal Institute of Technology Lausanne,
January 2011 – September 2014

Postdoctoral Fellow University of Chicago, March 2009 – December 2010

Research Associate (Postdoc) University of Vienna,
December 2007 – December 2008

Research Assistant University of Vienna, September 2004 – November 2007

Teaching Experience

University of Vienna Partial Differential Equations, Fourier Analysis, Functional Analysis, Scientific Computing, Computer Methods in Theoretical Physics, Complex Analysis, Ordinary Differential Equations, Probability Theory

University of Bonn Partial Differential Equations, Analysis, Spectral Theory

EPF Lausanne Partial Differential Equations, Measure Theory and Integration, Analysis

PhD Students and Postdocs

Birgit Schörkhuber, Athanasios Chatzikaleas, Ziping Rao
Paweł Biernat, Annegret Burtscher, Irfan Glogić

Awards and Fellowships

Sofja Kovalevskaja Award by the Humboldt Foundation, April 2014

Erwin Schrödinger Fellowship 2-year postdoctoral fellowship awarded by the FWF (Austrian Science Fund), research project conducted at the University of Chicago in collaboration with Wilhelm Schlag, 2009 – 2010

Alfred Wehrl Prize for Mathematical Physics awarded by the Institute for Theoretical Physics, University of Vienna, June 2005

Publications

37 peer-reviewed publications, 3 articles pending publication

Service

- Organizer of Section “Partial Differential Equations and Calculus of Variations” at Conference of the Austrian Mathematical Society, Dornbirn, Austria, September 16 – 20, 2019
- Co-organizer (with Piero d’Ancona) of Minisymposium “Spectral and dispersive properties of quantum Hamiltonians” at Conference on Mathematics of Wave Phenomena, Karlsruhe Institute for Technology, July 23 – 27, 2018
- Co-organizer (with Herbert Koch) of Workshop “Singularity formation and long-time behavior in dispersive PDEs”, University of Bonn, March 14 – 18, 2016
- Referee for Nonlinearity; International Mathematics Research Notices; American Journal of Mathematics; Communications in Mathematical Physics; Proceedings of the Royal Society A; Transactions of the American Mathematical Society; Journal of Dynamics and Differential Equations; Annales de l’Institut Henri Poincaré; Mathematical Physics, Analysis and Geometry; Proceedings of the American Mathematical Society; Journal of Functional Analysis; Memoirs of the American Mathematical Society; Computers and Mathematics with Applications; Nonlinear Differential Equations and Applications; Archive for Rational Mechanics and Analysis; Annals of PDE; Archiv der Mathematik; Journal of Differential Equations; Journal of the London Mathematical Society

Third-Party Funding

Austrian Science Fund (FWF) Project P30076 as principal investigator, University of Vienna, October 2017 – September 2021, EUR 329,224

Humboldt Foundation Sofja Kovalevskaja Award as principal investigator, University of Bonn, October 2014 – September 2017, EUR 1,535,000

Austrian Science Fund (FWF) Project J2843 Erwin Schrödinger fellowship, as principal investigator, University of Chicago, March 2009 – December 2010, EUR 68,000

Austrian Science Fund (FWF) Project P19126 actively involved in all stages of the project from application process to final report, project leader Peter C. Aichelburg, University of Vienna, June 2006 – May 2008, EUR 186,000

Conferences and Workshops

Conference “Nonlinear effects in PDEs and related problems”
École Polytechnique, Palaiseau, France, May 2019

Workshop “Harmonic Analysis and Partial Differential Equations”
HIM Bonn, Germany, May 2019

- Conference “Mathematics of Wave Phenomena”**
Karlsruhe Institute of Technology, Germany, July 2018
- Conference “Nonlinear Dirac equations and related problems”**
Bielefeld University, Germany, May 2018
- Conference “Recent Trends in PDE”**
King’s College London, UK, January 2018
- Workshop “Harmonic Analysis, Spectral Theory and PDEs”**
La Sapienza - Università di Roma, Italy, September 2017
- Workshop “Nonlinear Waves and Dispersive Equations”**
Mathematisches Forschungszentrum Oberwolfach, Germany, June 2017
- Trimester Program “Nonlinear Waves”**
IHES, Bures-sur-Yvette, France, June 2016
- Annual Meeting of the DMV**
Hamburg, Germany, September 2015
- Workshop “Longtime Behaviour of Nonlinear Waves”**
Bielefeld University, Germany, June 2015
- Hausdorff Trimester Program “Harmonic Analysis and PDEs”**
HIM Bonn, Germany, June – July 2014
- Workshop “Nonlinear Waves and Dispersive Equations”**
Mathematisches Forschungszentrum Oberwolfach, Germany, August 2013
- Workshop “Dynamics of general relativity”**
ESI Vienna, Austria, December 2012
- Conference “Nonlinear hamiltonian PDEs”**
Centro Stefano Franscini, Ascona, Switzerland, July 2012
- Workshop “Dynamics of general relativity”**
ESI Vienna, Austria, August 2011
- Conference “Nonlinear dispersive equations”**
ETH Zürich, Switzerland, June 2011
- Workshop “Quantitative studies of nonlinear wave phenomena (follow-up)”**
ESI Vienna, Austria, January 2011
- Workshop “Quantitative studies of nonlinear wave phenomena”**
ESI Vienna, Austria, January 2010
- Clay Mathematics Summer School “Evolution Equations”**
ETH Zürich, Switzerland, June 2008 – July 2008

Workshop “Evolution equations and self-gravitating systems”

Max-Planck-Institut für Gravitationsphysik, Golm, Germany, September 2007

Workshop “Spectral Theory and its Application”

Isaac Newton Institute for Mathematical Sciences, Cambridge, UK, July 2006

Summer School “Structure and dynamics of compact objects”

Max-Planck-Institut für Gravitationsphysik, Golm, Germany, September 2004