

CONTACT INFORMATION

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PERSONAL INFORMATION

Place and date of birth: Donaueschingen, Germany, 12 May 1977
Nationality: German

RESEARCH INTERESTS

Geometric Analysis, Partial Differential Equations: Geometric Flows,
Harmonic Maps,
Willmore Surfaces

EDUCATION

May 2005 PhD in Mathematics (summa cum laude), University of Freiburg
Supervisor: Ernst Kuwert
April 2002 Degree in Mathematics (Diplom), University of Freiburg
Supervisor: Ernst Kuwert

EMPLOYMENT

05/2012 - present Professor (W3), Karlsruhe Institute of Technology (KIT)
09/2010 - 04/2012 Professor (W2), University of Frankfurt
09/2008 - 08/2010 PIMS Postdoctoral Fellow, University of British Columbia
and Pacific Institute for the Mathematical Sciences
09/2006 - 08/2008 Junior Scientist, Max-Planck-Institute for Gravitational Physics
Golm
11/2005 - 08/2006 Postdoctoral Fellow, ETH Zürich
09/2005 - 10/2005 Member, MSRI Berkeley
05/2002 - 08/2005 PhD Position, University of Freiburg

AWARDS AND HONORS

2009 Postdoctoral Teaching Award for Excellence in Teaching Mathematics,
University of British Columbia
2007 Travel Grant of the German Research Foundation and the German
Mathematical Society
2005 Ferdinand von Lindemann Prize for the best Doctoral Dissertation in
Mathematics, University of Freiburg

TALKS (since 2008)

- 2017
 - QMUL Geometric Analysis Day, London
 - Workshop on "Geometry", Warwick
 - Analysis Seminar, ETH Zürich

- 2016
 - Geometric Analysis Seminar, Freiburg
 - Workshop on "Geometric Flows", QMUL London
 - Partial Differential Equations Seminar, Oxford
 - Seminar on Differential Geometry and Analysis, Magdeburg
 - Differential Geometry Seminar, UBC Vancouver
 - Workshop on "Perspectives in Geometric Analysis", Beijing
 - Workshop on "Analysis and numerics in curvature energies", Freiburg
 - Analysis Seminar, SNS Pisa

- 2015
 - Workshop "Flowers and Friends", Frankfurt
 - Differential Geometry Seminar, Münster
 - Geometry Seminar, EPFL Lausanne
 - Workshop "Partielle Differentialgleichungen", Oberwolfach
 - Workshop on "Geometric Analysis", Seoul

- 2014
 - Differential Geometry Seminar, Münster
 - Geometry and Analysis Seminar, Imperial College London
 - Workshop on "Geometric PDE's", Oxford
 - Warwick-Imperial-Cambridge Seminar, Cambridge
 - Topics in Geometric Analysis Seminar, Potsdam
 - Applied Analysis Seminar, Dortmund
 - Summer School on "GMT and Geometric Analysis", Basel
 - Workshop on "Analysis of PDEs, Larnaca
 - DMV-PTM meeting (Session on Geometric Analysis), Poznan

- 2013
 - Analysis Seminar, University of Bielefeld
 - Conference "Basel Junior Symposium in Analysis", Basel
 - Differential Geometry Seminar, University of Nancy
 - Geometry and Topology Day, University College London
 - Colloquium, University of Stuttgart

- 2012
 - Topics in Geometric Analysis Seminar, Potsdam
 - Applied Mathematics Seminar, Münster
 - PDE Seminar, University of Zürich
 - Conference "New perspectives in Nonlinear PDE's", Rome
 - Differential Geometry Seminar, Hannover
 - Workshop "Higher order problems in Geometric Analysis", Bath
 - Joint Geometric Analysis and PDE/Analysis Seminar, MIT
 - Geometric Analysis and Topology Seminar, New York University
 - Geometry and Analysis Seminar, Columbia University
 - Nonlinear Analysis Seminar, Rutgers University

- 2011
- Workshop “Higher order equations in Geometry and Physics”, Trieste
 - Workshop “Geometric flows in Mathematics and Physics”, Banff
 - Workshop “Geometric Analysis”, PIMS Vancouver
 - Differential Geometry Seminar, University of Münster
 - Workshop “Geometric Analysis and PDE”, Granada
 - Analysis Seminar, University of Warwick
 - Geometric Analysis and PDE Seminar, University of Cambridge
 - Geometry Seminar, King’s College London and University College London
- 2010
- Workshop “Mean curvature flows and related topics”, Baltimore
 - Workshop “Geometrie”, Oberwolfach
 - Mini-Workshop “Geometric Analysis”, Warwick
 - Workshop “Geometric Analysis”, PIMS Vancouver
- 2009
- Colloquium, University of British Columbia
 - Workshop “Variational Problems of Higher Order in Geometry”, Berlin
 - Geometric Analysis Seminar, Max-Planck-Institute Golm
 - Workshop “Geometric Flows and Operators”, Pisa
 - Geometric Analysis Seminar, University of Freiburg
 - Pacific Northwest Geometry Seminar, University of British Columbia
 - Geometric Analysis Seminar, University of Wisconsin
 - Analysis and PDE Seminar, Johns Hopkins University
 - Geometric Analysis Seminar, Princeton University
- 2008
- Differential Geometry/ PDE Seminar, University of Washington
 - Differential Geometry, Mathematical Physics and PDE Seminar, University of British Columbia
 - Workshop “Calculus of Variations”, Oberwolfach,
 - Workshop “Geometric flows in Mathematics and Physics”, Banff

ORGANIZATION OF WORKSHOPS

- 2013
- “The Willmore functional and the Willmore conjecture”, Oberwolfach (joint with J. Metzger and A. Neves)
- 2013
- “Geometric variational problems”, Banff (joint with J. Chen and A. Fraser)
- 2012
- “Geometric Analysis”, Frankfurt (joint with E. Kuwert)

SERVICES

- Referee for
- Acta Mathematica
 - Advances in Calculus of Variations
 - Advances in Mathematics
 - American Journal of Mathematics
 - Analysis & PDE
 - Annales de l'Institut Henri Poincaré (C) Analyse Non Linéaire
 - Annali della Scuola Normale Superiore di Pisa. Classe di Scienze
 - Annals of Mathematics
 - Calculus of Variations and Partial Differential Equations
 - Communications in Analysis and Geometry
 - Communications in Partial Differential Equations
 - Compositio Mathematica
 - Duke Mathematical Journal
 - Geometric and Functional Analysis
 - International Mathematics Research Papers
 - Journal für die Reine und Angewandte Mathematik
 - Journal of Functional Analysis
 - Journal of Geometric Analysis
 - Journal of Mathematical Physics
 - Journal of the European Mathematical Society
 - Mathematische Zeitschrift
 - Pacific Journal of Mathematics
 - Proceedings of the London Mathematical Society
 - Proceedings of the Royal Society A
 - SIAM Journal on Mathematical Analysis

MEMBERSHIPS

American Mathematical Society
European Mathematical Society
German Mathematical Society