

Curriculum Vitae – Friederike Dittberner, Dipl. math.

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Germany

Research Interests: Geometric Analysis.
In particular: Geometric Flows, Nonlinear Parabolic Partial Differential Equations, General Relativity

Education

Ph.D. Studies

Freie Universität Berlin; Sep 2014 – Sep 2017

PhD Thesis *Constrained curve flows* (submitted in Aug 2017 but not defended yet)
With Prof. Dr. Klaus Ecker.

Studies in Mathematics

Freie Universität Berlin; Oct 2003 – Nov 2009

Minor subject: Computer Science

Diploma thesis: *Hypersurfaces in \mathbf{R}^{n+1} with prescribed mean curvature*
With Prof. Dr. Klaus Ecker.

Academic Employment / Scholarship

Postdoc

Universität Konstanz, Oct 2017 – Sept 2019

Scientific Assistant

Freie Universität Berlin, Sep 2017

Doctoral Scholarship

Berlin Mathematical School, Jan 2017 – Aug 2017

Scientific Assistant

Freie Universität Berlin,

Member of the special research field “SFB 647 Space – Time – Matter”
Sep 2014 – Dez 2016

Teaching Experience

Lectures

at Freie Universität Berlin:

Calculus 1, four weeks sickness cover, Nov 23rd – Dec 14th 2015

Tutorials

at Universität Konstanz:

Differential Geometry 1, Oct 2017 – Feb 2018

Partial Differential Equations 2, Oct 2017 – Feb 2018

at Freie Universität Berlin:

Differential Equations 1, Apr – Jul 2017

Calculus 2, Apr – Jul 2008

Calculus 1, Oct 2007 – Feb 2008
Higher analysis: topology, dynamical system, functional analysis, Apr – Jul 2007
Stochastic & statistics, Oct 2006 – Feb 2007

Grading

at Freie Universität Berlin:
Calculus 3, Oct 2016 – Feb 2017
Differential equations 1, Apr – Jul 2015

Attended Workshops, Conferences, etc.

Conference *Mean Curvature Flow*

University of Oxford, Sep 26th – 30th 2016
Organizers: Toby Colding and Bill Minicozzi

Summer School and Workshop *Geometric Flows and the Geometry of Space-time*

University of Hamburg, Sep 19th – 23th 2016
Organizers: Vicente Cortés, Klaus Kröncke and Jan Louis

Conference *Patterns of Dynamics*

Conference in Honor of Bernd Fiedler

Freie Universität Berlin, Jul 25th – 29th 2016
Organizers: Pavel Gurevich, Juliette Hell, Alexander Mielke, Felix Otto, Björn Sandstede, Arnd Scheel, Eckehard Schöll, Angela Stevens, Matthias Wolfrum

Workshop *Nonlinear Evolution Problems*

Mathematisches Forschungsinstitut Oberwolfach, May 29th – Jun 4th 2016
Organizers: Klaus Ecker, Jalal Shatah, Gigliola Staffilani, Michael Struwe
(Travel grant)

Workshop *on Analysis, Geometry and Mathematical Relativity*

On the occasion of Robert Bartnik's 60th birthday

Monash University, Melbourne, Feb 22nd – 26th, 2016
Organizers: Yann Bernard, Julie Clutterbuck, Todd Oliynyk
(Travel grant)

GK-Winter School 2016 *on Geometric Evolution Equations*

University of Regensburg, Feb 16th – 19th, 2016
Organizers: Helmut Abels, Georg Dolzmann, Harald Garcke
(Travel grant)

Conference *General Relativity: A celebration of the 100th anniversary*

Institut Henri Poincaré Paris, Nov 16th – 20th, 2015
Organizers: Lars Andersson, Sergiu Klainerman, Philippe G. LeFloch

Summer School *Introduction to mathematical general relativity*

Institut Henri Poincaré Paris, Sep 14th – 18th, 2015
Organizers: Lars Andersson, Sergiu Klainerman, Philippe G. LeFloch

Seminar *Singularity Analysis for Geometric Flows*

Mathematisches Forschungsinstitut Oberwolfach, Sep 6th – 12th, 2015
Organizers: Simon Brendle, Gerhard Huisken
(Travel grant)

Conference *Advances in Geometric Analysis, in honour of Rick Schoen's 65th birthday*

University of Warwick, Jul 20th – 24th, 2015
Organizers: Mario Micalef, Andre Neves, Bill Minicozzi, Jaigyoung Choe

Conference *Geometric Non-linear Analysis:*

Conference on the occasion of Michael Struwe's 60th birthday

ETH Zürich, Jun 8th – 12th, 2015
Organizers: Michael Eichmair, Gerhard Huisken, Tristan Rivière
(Travel grant)

Conference *12th Panhellenic Congress of Geometry*

Aristotle University of Thessaloniki, May 29th – 31st, 2015

Organizers: S. Stamatakis, D. Papadopoulou, F. Petalidou, I. Kaffas, K. Panagiotidou,
I.-I. Papadopoulou

GR Spring School 2015 *Andrejewski days: 100 years of General Relativity*

Schloss Gollwitz, Brandenburg, Mar 22nd – Apr 4th, 2015

Organizer: Carla Cederbaum, Jan Metzger

Workshop *Flow(ers) and Friends*

Goethe University Frankfurt, Mar 2nd – 5th, 2015

Organizer: Ester Cabezas-Rivas

(Travel grant)

Arbeitsgemeinschaft *Ricci Flow and the Poincaré Conjecture*

Mathematisches Forschungsinstitut Oberwolfach: Oct 5th – 11th 2008

Organizers: Klaus Ecker, Burkhard Wilking

(Travel grant)

Work Experience (non-academic)

Acquisitions Editor for Mathematical Books

De Gruyter Publishing House, Berlin, Germany

Acquisition of new book projects, building the book program and a network of authors and editors in the whole field of Mathematics, representing the publisher on numerous international mathematical conferences

May 2010 – Aug 2014

Editorial Assistant Mathematics/Physics/Geodesy

De Gruyter Publishing House, Berlin, Germany

Nov 2009 – Apr 2010