

Curriculum Vitae – Friederike Dittberner, Dipl.math.

PhD student in Research Group “*Geometric Analysis*”
with Prof. Dr. Klaus Ecker, Freie Universität Berlin, since September 2014

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Research Interests: *Geometric analysis.*
In particular: *geometric flows, nonlinear parabolic partial differential equations, general relativity.*

Education

Studies in Mathematics

Freie Universität Berlin; October 2003 – November 2009

Diploma thesis: *Hypersurfaces in \mathbf{R}^{n+1} with prescribed mean curvature*

With Prof. Dr. Klaus Ecker, Freie Universität Berlin

Academic Employment / Scholarship

Berlin Mathematical School

Doctoral scholarship, Jan 2017 – Aug 2017

Freie Universität Berlin

Scientific Assistant, Sep 2014 – Dez 2016

Talks

Embeddedness of constrained curvature flows

Research seminar geometric analysis

Freie Universität Berlin, Jun 27th 2016

Constrained Curve Shortening Flows

Research seminar geometric analysis

Freie Universität Berlin, Oct 12th, 19st 2015

The Length Preserving Curve Shortening Flow with Boundary

Research seminar geometric analysis

Freie Universität Berlin, Jul 6th 2015

Das Problem der Dido (Dido's Problem)

Public lecture for school kids from 7th grade on

Tag der Mathematik (Day of Mathematics)

Beuth Hochschule für Technik Berlin, May 9th 2015

The Thread Flow I – III

Research seminar geometric analysis

Freie Universität Berlin, Oct 13th, 20st, 27th 2014

Teaching Experience

Lectures

Freie Universität Berlin, Germany
Calculus 1, four weeks sickness cover, Nov 23rd – Dec 14th 2015

Tutorials

Freie Universität Berlin, Germany
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

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

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

Further Skills

Laguages

English: fluent; German: mother tongue

Programming

Python, Java