

CURRICULUM VITAE

Claus Heussinger



Address: Institute for Theoretical Physics
University of Göttingen
Friedrich-Hund Platz 1
37077 Göttingen, Germany
Telephone: ++ 49 – (0)551 – 399569
E-mail: claus.heussinger@theorie.physik.uni-goettingen.de

Date of birth: 23.02.1976
Place of birth: Kulmbach, Germany
Marital status: Married, two children

EDUCATION

10/07 PhD in Physics
Thesis title: *On the Elasticity of Stiff Polymer Networks*
Thesis advisor: Prof. Dr. Erwin Frey
Final grade: **summa cum laude**

08/02 Diploma in Physics
Thesis title: *Factorized random interactions in fermionic spin systems*
Thesis advisor: Prof. Dr. Reinhold Oppermann
Final grade: **with distinction (1.0)**

10/96 - 08/02 Undergraduate physics studies at the Universities of Bayreuth and Würzburg

09/99 - 07/00 Undergraduate studies at the University of Edinburgh, UK

ACADEMIC CAREER

- since 01/12** Group leader of an independent junior research group (Emmy Noether program of the DFG) at the Institute for Theoretical Physics, University of Göttingen
- 08/10 - 12/11** Postdoctoral fellow at the Institute for Theoretical Physics, University of Göttingen
- 10/07 - 07/10** Postdoctoral fellow at the LPMCN, Université Lyon 1
- 04/05 - 10/07** Research assistant at the Arnold-Sommerfeld Center, Ludwig-Maximilians University, Munich.
- 03/03 - 03/05** Research assistant at the Hahn-Meitner Institute, Berlin

AWARDS and FELLOWSHIPS

- 01/15** Principal investigator in the two projects A1 and A16 in the collaborative research center “Collective behavior of soft and biological matter” (SFB 937).
- 08/12** Principal investigator of the project A16 in the collaborative research center (SFB 937).
- 09/11** Five-year Emmy Noether fellowship (DFG)
- 08/08** Two-year Humboldt fellowship, Feodor Lynen program
- 06/08** Award for the promotion of young scientists of the “Münchner Universitätsgesellschaft”
- 01/08** Award for the best PhD-thesis at the ASC-Munich
- 12/07** Publication award of the Center for Nano-Science (CeNS), Munich: “Mechanics of bundled semiflexible polymer networks”

TEACHING EXPERIENCE

WiSe 2014	5th semester Bachelor (Grundvorlesung): “Thermodynamics and statistical physics” (shared with A. Zippelius)
WiSe 2013	Lecture: Theoretical biophysics (shared with J. Enderlein)
SoSe 2013	2nd semester Bachelor (Grundvorlesung): “Computer-gestütztes wissenschaftliches Rechnen”
WiSe 2012	Lecture: Theoretical biophysics
SoSe 2012	Graduate school BuildMoNa (Leipzig): Invited lectures
SoSe 2012	Excercise class: Computer assisted scientific computing
WiSe 2011	Lecture: Theoretical biophysics
WiSe 2011	Lecture: Computer simulation methods in statistical physics (shared with R. Vink)
SoSe 2011	Excercise class: Computer assisted scientific computing
since 2007	Supervision of Bachelor, Master and Diploma students

DIVERSE

2015	Member of the organizing comittee for the conference PhysCell2015
06/14	External member of the thesis comittee of A. Cioroianu, Eindhoven, Netherlands
03/14	British-German frontiers of Science Symposium, Potsdam, Germany
05/13	Workshop organization “Crackling noise and intermittency in condensed matter”
08/13	Invited discussion leader, Gordon Research Conference “soft matter”.
since 2012	Member of the Göttingen graduate school for neurosciences, biophysics and molecular biosciences (GGNB)
04/11	External member of the thesis comittee of L. Huisman, Leiden, Netherlands

INVITED TALKS

- 03/15** "Shear thickening"
March Meeting of the APS, San Antonio, USA
- 04/14** "Complex rheology at jamming: shear thickening, shear thinning, shear banding"
Meeting of the German Physical Society, Dresden
- 07/12** "Melting a granular glass by cooling"
"Complex transport" Workshop, Munich, Germany
- 02/12** "Particle dynamics close to jamming"
J. A. Krumhansl Symposium, Bangalore, India
- 03/10** "Single and collective particle dynamics close to jamming"
March Meeting of the APS, Portland, USA
- 05/08** "On the elasticity of stiff polymers, their bundles, and their networks"
Workshop "Structural biological networks", Warwick, UK
- 02/08** "Stiff polymers, foams and fiber networks"
Meeting of the German Physical Society, Berlin

REFERENCES

Prof. Dr. Annette Zippelius
Institute for theoretical physics
Georg August University Göttingen
Friedrich Hund Platz 1
D-37077 Göttingen, Germany
annette.zippelius@theorie.physik.uni-goettingen.de

Prof. Dr. Jean-Louis Barrat
Laboratoire Interdisciplinaire de Physique (LIPhy)
Université Joseph Fourier
140 rue de la Physique Domaine Universitaire
BP 87 38402 Saint Martin d'Hères cedex
jean-louis.barrat@ujf-grenoble.fr

Prof. Dr. Erwin Frey
Arnold-Sommerfeld Center for theoretical Physics
Ludwig-Maximilians University Munich
Theresienstr. 37
D-80333 Munich, Germany
frey@lmu.de

Prof. Dr. Andreas Bausch
Physik-Department E27
Technical University Munich
James-Franck-Strasse 1
D-85748 Garching, Germany
abausch@ph.tum.de