Curriculum Vitae

Name	Thomas Speck
Year of birth	1978
Place of birth	Magdeburg
Nationality	German
Children	2, born 2011 and 2014
Home address	Stefansstr. 1 55116 Mainz
University address	Institut für Physik Johannes Gutenberg-Universität Mainz Staudingerweg 7-9 55128 Mainz, Germany
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Work experience

since 10/2013	Professor (W2) at the Johannes Gutenberg University Mainz
04/2011-09/2013	Postdoctoral researcher with H. Löwen, Heinrich-Heine-Universität Düsseldorf, Germany
01/2009-03/2011	Postdoctoral researcher (Feodor Lynen Fellow) with D. Chandler, University of California, Berkeley, USA
01/2008-12/2008	Postdoctoral researcher with U. Seifert, Universität Stuttgart, Germany
10/2004-12/2007	Research assistent Universität Stuttgart, Germany

Education

12/2007	Ph.D. Physics, Universität Stuttgart, Germany Advisor: Udo Seifert Thesis: "The Thermodynamics of Small Driven Systems" Link: `http://elib.uni-stuttgart.de/opus/volltexte/2008/3392`
09/2004	Diploma Physics, Universität Stuttgart, Germany Advisor: Udo Seifert Thesis: "Dissipation bei mechanischer Manipulation von Biomolekülen"
1997	Abitur

Awards and honors

04/2011	Feodor Lynen return fellowship of the Alexander von Humboldt foundation
04/2009	Feodor Lynen fellowship of the Alexander von Humboldt foundation
02/2008	One of four finalists of the annual dissertation prize awarded by the solid state section of the German Physical Society (DPG)
06/2005	Award of the "Vereinigung von Freunden der Universität Stuttgart" for best diploma thesis (in 2004 in the Physics department of the University Stuttgart)

Selected publications

I have selected the following 10 out of 70 original publications in peer reviewed journals:

2017	F. Turci, C.P. Royall, and **T. Speck**, *Non-Equilibrium Phase Transition in an Atomistic Glassformer: The Connection to Thermodynamics* , Phys. Rev. X **7**, 031028 (2017)
2016	I. Williams, E.C. Oğuz, **T. Speck**, P. Bartlett, H. Löwen, and C.P. Royall, *Transmission of torque at the nanoscale*, Nature Phys. **12**, 98 (2016)
2014	**T. Speck**, J. Bialké, A.M. Menzel, and H. Löwen, *Effective Cahn-Hilliard Equation for the Phase Separation of Active Brownian Particles*, Phys. Rev. Lett. **112**, 218304 (2014)
2013	J. Bialké, H. Löwen, and **T. Speck**, *Microscopic theory for the phase separation of self-propelled repulsive disks*, EPL **103**, 30008 (2013)
2013	I. Buttinoni, J. Bialké, F. Kümmel, H. Löwen, C. Bechinger, and **T. Speck**, *Dynamical clustering and phase separation in suspensions of self-propelled colloidal particles*, Phys. Rev. Lett. **110**, 238301 (2013)
2012	**T. Speck**, A. Malins, and C.P. Royall, *First-order phase transition in a model glass former: coupling of local structure and dynamics*, Phys. Rev. Lett. **109**, 195703 (2012)
2012	**T. Speck** and D. Chandler, *Constrained dynamics of localized excitations causes a non-equilibrium phase transition in an atomistic model of glass formers*, J. Chem. Phys. **136**, 184509 (2012)
2007	V. Blickle, **T. Speck**, C. Lutz, U. Seifert, and C. Bechinger, *Einstein relation generalized to nonequilibrium*, Phys. Rev. Lett. **98**, 210601 (2007)
2006	**T. Speck** and U. Seifert, *Restoring a fluctuation-dissipation theorem in a nonequilibrium steady state*, Europhys. Lett. **74**, 391 (2006)
2006	V. Blickle, **T. Speck**, L. Helden, U. Seifert, and C. Bechinger, *Thermodynamics of a Colloidal Particle in a Time-Dependent Nonharmonic Potential*, Phys. Rev. Lett. **96**, 070603 (2006)

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