

# Curriculum Vitae

Stefan Schnabel

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Citizenship: German

## Formal Education

- **1998** Abitur (general qualification for university entrance)
- **Oct 1998 to Sept. 1999** alternative civilian service in the hospital “Diakonissenkrankenhaus” in Leipzig
- **Oct 1999** matriculation at the physics department of the university of Leipzig
- **Sept 2001** intermediate diploma (secondary subject informatics, average grade)
- **From Jul 2004** diplomate at the Institute of Theoretical Physics Leipzig
- **Jul 2005** submission of the diploma thesis
- **Aug 2005** examination in the secondary subject “logic and philosophy of science”
- **Sept 2005** exmatriculation
- **Jan 2006 – Nov 2009** PhD-student at the Institute of Theoretical Physics Leipzig

- **Jan 2008 – Nov 2009** participant at the Leipzig Graduate School of Excellence “BuildMoNa”
- **Mar 2008 – Nov 2009** speaker of the PhD-students of the german-french university (DFH-UFA) in Leipzig
- **Nov 2009** PhD promotion, “magna cum laude”
- **Dec. 2009 – Jan 2011** PostDoc at the Center for Simulational Physics at the University of Georgia, Athens, GA
- **since Mar. 2011** Scientific staff at the Institute of Theoretical Physics Leipzig

## Scientific Activities

- **5th Mar 2005** poster presentation “Folding Channels in Coarse-Grained Polymer Models” at the anual conference of the german physical society in Berlin
- **6th Feb 2006** talk “Multicanonical simulations of polymer chains” University of Lund, Sweden
- **29th Mar 2006** poster presentation “Folding Channels for Coarse-Grained Polymer Models” at the anual conference of the german physical society in Dresden, Germany
- **22th-26th Jan 2007** workshop “Programming Parallel Computers” in Juelich, Germany
- **4th-9th Feb 2007** visit to University of Lund, Sweden
- **27th Mar 2007** poster presentation “Solution Behavior of Semiconductor-Binding Peptides” at the anual conference of the german physical society in Regensburg, Germany
- **28th Mar 2007** talk “Impact of Peptide Structure on Semiconductor Binding’ at the anual conference of the german physical society in Regensburg, Germany
- **3rd-7th Jun 2007** visit to University of Lund, Sweden
- **11th Jul 2007** talk “Multicanonical Simulation of a Coarse Grained Heteropolymer Model” group of Prof. Dr. Martin E. Garcia, AG Theoretical Physics II Kassel, Germany

- **1st Oct-21th Nov** participation at a exchange program for phd-students and visit to University of Nancy, France
- **22nd Oct 2007** talk “Multicanonical Simulation of a Coarse Grained Heteropolymer Model” DFH Nancy, France
- **07th Feb 2008** BuildMoNa Symposium poster presentation “Solution Behavior of Semiconductor-Binding Peptides”
- **27th Feb 2008** talk “Conformational Transitions of Flexible Polymers” at the anual conference of the german physical society in Berlin
- **14th-16th Apr 2008** MECO 33 poster presentation “Conformational Transitions of Flexible Polymers” in Puchberg/Wels, Austria
- **18th-21th May 2008** poster presentation “Folding Channels for Coarse-Grained Polymer Models” at the CBSB08-workshop in Juelich, Germany
- **16th Oct 2008** talk “Solution Behavior of Semiconductor-Binding Peptides” at the BuildMoNa Workshop Leipzig, Germany
- **27th-29th Nov 2008** talk “Low Temperature Behavior of the Lennard-Jones Polymer” at the CompPhys08 workshop in Leipzig, Germany
- **26th Feb 2009** talk “Solid-Solid Transitions of Flexible Polymers” at the Saxonian Theory Seminar of the chemistry department of the university of Leipzig, Germany
- **27th Mar 2009** talk “Solid-Solid Transitions of Flexible Polymers” at the anual conference of the german physical society in Dresden, Germany
- **30th Mar - 1st Apr 2009** poster presentation “Solid-solid transitions of a flexible elastic off-lattice polymer model” at the MECO34 conference in Leipzig, Germany
- **2nd/3rd Apr 2009** poster presentation “Solid-solid transitions of a flexible elastic off-lattice polymer model” at the 2nd BuildMoNa Symposium in Leipzig, Germany
- **28th Oct. 2009** talk “Tieftemperaturverhalten minimalistischer Polymermodelle”, defense of the dissertation in Leipzig, Germany
- **23rd Feb 2010** talk “A Frozen Homopolymer and Extensions to the Multicanonical Method” at the conference “Recent Developments in Computer Simulational Studies in Condensed Matter Physics” in Athens, Georgia (USA)
- **22rd Feb 2011** talk “On the low temperature behavior of a geometrical frustrated Heisenberg antiferromagnet” at the conference “Recent Developments in Computer Simulational Studies in Condensed Matter Physics” in Athens, Georgia (USA)

- **25rd Mar 2011** talk “On the low temperature behavior of a geometrical frustrated Heisenberg antiferromagnet” at the march meeting of the American Physical Society in Dallas, Texas (USA).
- **3rd Nov 2011** talk “Spin waves in the classical Heisenberg antiferromagnet on the Kagome lattice” at the “Conference on computational physics” in Gatlinburg, Tennessee (USA).
- **27th Feb. 2013** talk “Microcanonical flat-histogram sampling”, at the conference “Recent Developments in Computer Simulation Studies in Condensed Matter Physics” in Athens, Georgia (USA)
- **14th Mar 2013** talk “Fictitious excitations in the classical Heisenberg antiferromagnet on the kagome lattice” at the anual conference of the german physical society in Regensburg, Germany
- **8th Apr - 10th Apr 2014** poster presentation “Sampling-low energy states of the Edwards-Anderson model” at the MECO39 conference in Coventry, Germany
- **19th Mar 2015** talk “Where to go in a rough free-energy landscape?” at the anual conference of the german physical society in Berlin, Germany
- **27th Nov 2015** talk “Greedy Monte Carlo for spin glass ground-state search” at the CompPhys15 workshop in Leipzig, Germany

## Peer-review activities

- Journal reviewer for Computer Physics Communications
- Journal reviewer for Journal of Chemical Physics
- Journal reviewer for Physical Review E
- Journal reviewer for Physical Review Letters

## Teaching activities

- Spring 2011, Physics1111 (lecture of introductory physics) at the University of Georgia

- 2009-2012, Informal mentor of graduate students in Dr. Landau's group at the University of Georgia
- 2012, Lecture "Mathematische Methoden in der Physik" at the University of Leipzig
- 2013, 2014, 2015, 2016 Lecture "Numerical Methods" at the University of Leipzig

## Miscellaneous

- BuildMoNa award 2009