

Department of Materials Science and Engineering
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Education

- 10/2006 – 06/2010:** Ph.D. student in the group of Prof. Dr. Friedhelm Bechstedt, Friedrich-Schiller-University Jena, Germany
Dr. rer. nat. (Ph.D. in physics);
Title of the thesis: “Exciting Imperfection—Real-structure effects in magnesium-, cadmium-, and zinc-oxide”;
- 10/2004 – 09/2006:** Friedrich-Schiller-University Jena, Germany
University Diploma (M.Sc.);
- 10/2001 – 09/2004:** Technical University Chemnitz, Germany

Research positions

- 12/2013 – current:** Blue Waters Assistant Professor, Department of Materials Science and Engineering, University of Illinois at Urbana-Champaign
- 02/2011 – 12/2013:** Directorate Postdoctoral researcher in the “Quantum Simulations Group”, Lawrence Livermore National Laboratory, Livermore, California, USA
- 07/2010 – 01/2011:** Postdoctoral researcher in the “Condensed Matter Theory Group”, Friedrich-Schiller-University Jena, Germany
- 03/2008 – 06/2008:** Research stay with Prof. Dr. Chris Van de Walle, University of California, Santa Barbara, USA
- 09/2004:** Student researcher in the “Spectrométries et Dynamique Moléculaire” group, Université de Provence, Marseille, France
- 03/2004 – 04/2004:** Student researcher in the “Ion-beam analytics” group, Forschungszentrum Rossendorf, Germany
- 02/2002 – 12/2004:** Student researcher in the “Optical spectroscopy and molecular physics” group, Technical University Chemnitz, Germany

Teaching experience

- 11/2006 – 02/2010:** Teaching assistant “Computational Physics” and “Computational Materials Science”, Friedrich-Schiller-University Jena, Germany
- 03/2007 – 05/2007:** Teaching assistant “Thermodynamics”, University of Applied Sciences Jena, Germany

Mentoring: Diploma (M.Sc.): M. Eisenacher, F. Hachenberg, S. Kufner; Ph.D.: L. C. de Carvalho; Summer school: A. J. Neukirch, K. G. Reeves, A. Lim, J. Shen

Awards

- 09/2012:** Physical and Life Sciences Directorate Outstanding Postdoc Award

- 07/2012:** Physical and Life Sciences Directorate Poster Award
- 10/2010:** “Young Scientist Best Poster Presentation Award” at the 3rd International Symposium on Transparent Conductive Materials, Analipsi, Greece
- 06/2007:** Heptagon “Sven-Bühling” prize

Other Activities

- Mentoring:** Diploma (M.S.): M. Eisenacher, F. Hachenberg, S. Kufner; Ph.D.: L. C. de Carvalho; Summer school: A. J. Neukirch, K. G. Reeves, A. Lim, J. Shen
- Proposal reviewer** Department of Energy, Wiley Publishing Company, Springer
- Journal reviewer** e.g. Nature Communications, Physical Review Letters, Applied Physics Letters, Physical Review B, The Journal of Chemical Physics, Advanced Energy Materials, Journal of the American Chemical Society, Physical Chemistry Chemical Physics, Journal of Applied Physics, Journal of Physics and Chemistry of Solids
- Member** American Physical Society, German Physical Society, Materials Research Society, The International Society for Optics and Photonics
- Awards** Physical and Life Sciences Directorate Outstanding Postdoc Award (2012); Heptagon “Sven-Bühling” prize (2007)
- 2014 – current:** Member of the SPIE Information Technology Committee
- 2012 – 2013:** Co-organizer and proceedings editor of the symposium “Oxide Semiconductors”, Fall Meeting of the Materials Research Society 2012, Boston, USA
- 2012 – current:** News contributor “Materials Views”, Wiley Publishing Company
- 2012 and 2011:** Outreach to High-School students in the “Adopt-a-Physicist” program of the physics honor society “Sigma Pi Sigma”

Links

- Homepage:** <http://schleife.matse.illinois.edu/>
- Google Scholar:** <http://scholar.google.com/citations?user=LQLGI5sAAAAJ>
- LinkedIn:** <http://www.linkedin.com/pub/andr%C3%A9-schleife/2b/78/603>