

Curriculum Vitae: *Markus Deserno*

Max-Planck-Institut for Polymer Research
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Professional Preparation

- 1991 – 1996 Physics curriculum, The Friedrich-Alexander University, Erlangen-Nuremberg. Graduation in Nov. 1996 as “Diplomphysiker” (equivalent to M.S.)
M.S. thesis: *Microcanonical Monte-Carlo Analysis of the Tricritical Point in the Ferromagnetic Blume-Capel Model*. Thesis Advisor: A. Hüller.
Overall score: 1.05 on a scale of 1 – 5 with 1.0 (excellent) and 5.0 (fail)
- 1993/1994 Studies in physics at the University of York, U.K.
- 1997 – 2000 Graduate studies, Max-Planck Institute of Polymer Research (MPI-P), Mainz
Ph.D. graduation in Feb. 2000 (summa cum laude) at the University of Mainz
Ph.D. thesis: *Counterion Condensation for Rigid Linear Polyelectrolytes*. Advisor: K. Kremer

Positions

- 2000 – 2003 Post-doctoral fellow at the Department of Chemistry & Biochemistry, UCLA, Advisor: W.M. Gelbart
- since 5/2003 Project leader within the Theory Group of the MPI-P. Research focus: *Theoretical Membrane Physics* (recipient of an *Emmy-Noether* Research Award)
- Dec. 2006 Habilitation at the University of Mainz on *Virus-Inspired Physics – The Significance of Physical Principles for Structure and Function of Simple Viruses*, see www.mpip-mainz.mpg.de/~deserno/scripts/habilitation_thesis.pdf

Distinctions

- 1991 Bavarian State Grant (Bayerisches Begabtenförderungsgesetz).
1994 German Merit Foundation (Studienstiftung des deutschen Volkes).
2000 Emmy-Noether grant (Phase I) of the DFG for research on *Electrostatic contribution to colloid-membrane interactions*.
2001 Otto-Hahn-Medal of the Max Planck Society, awarded for the development of a general criterion for counterion condensation onto stiff linear polyelectrolytes
2003 Emmy-Noether grant (Phase II) of the DFG for research on *The physics of colloid-membrane wrapping processes: Theory and Simulation*

Student supervision and teaching experience

- 2003 – 2005 Ira R. Cooke (PostDoc)
2004 Martin M. Müller (M.S.)
2004 – Gregoria Illya (PostDoc)
2004 – Martin M. Müller (PhD student)
2005 Davood Norouzi (summer student)
2005 – Vagelis Harmandaris (PostDoc)
2005 – Benedict J. Reynolds (PostDoc)
2003 – regular courses in the Physics Department of the University of Mainz, see <http://www.mpip-mainz.mpg.de/~deserno/teaching.php>