

Prof. Dr. Matthias Wuttig

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Date and Place of Birth: 20. April 1960, in Mettmann, Germany

Legal status: married with Dr. Colette C. Knight (chemist) since 1997,
daughter Clarissa Michelle born in 2012

Education:

- 10/1979 - 9/1984: University of Cologne, Germany; Physics Department
- 10/1984 - 12/1985: Diploma thesis, Institut für Grenzflächenforschung und Vakuumphysik, Forschungszentrum Jülich, Germany
"Structure and Dynamics of the clean and adsorbate-covered Cu(100) surface"
- 12/1985: Diploma in physics, grade: 1,0 (highest degree);
University of Cologne, Germany
- 1/1986 - 6/1988: Ph.D. thesis: Institut für Grenzflächenforschung und Vakuumphysik, Forschungszentrum Jülich, Germany
"Relaxation and Reconstruction of metallic surfaces"
Thesis advisor: Prof. Dr. Harald Ibach
- 6/1988: Ph.D., summa cum laude (highest degree);
University of Aachen (RWTH), Germany

Professional career:

- 1/1986 - 3/1988: Research Assistant, IGV, Forschungszentrum Jülich, Germany
- since 4/1988: Staff Scientist, Institute for Interface Science, Forschungszentrum Jülich, Germany
- 7/1990 - 1/1991: Visiting scientist, Lawrence Berkeley Laboratory, Berkeley, CA, USA
- since 10/1991: Scientist within the Fiebigler program at Research Center Jülich
- 2/1994: "venia legendi" (lecturer) for physics at RWTH Aachen, Germany
- 3/1995 - 4/1995: Visiting Professor at CRMC² - CNRS Marseille, France
- 5/1995 - 10/1996: Feodor-Lynen Stipend of the Alexander von Humboldt-Foundation at the AT&T Bell Laboratories in Murray Hill, New Jersey, USA
- 11/1996 – 9/1997: Scientist, Research Center Jülich, Germany and Consultant, Bell Labs, Lucent Technologies, New Jersey, USA
- since 10/1997 Full Professor for Physics of New Materials, I. Institute of Physics, RWTH University of Technology Aachen, Germany
- 10/2004-10/2006 Vice-Dean of the Faculty of Mathematics, Informatics and Natural Sciences, RWTH University of Technology Aachen, Germany
- 9/1998: Visiting Professor at Hangzhou University, Hangzhou, China
- 8/1999: Visiting Professor at Kenyatta University, Nairobi, Kenya
- 3-4, 7-8/2005 Visiting Professor at IBM Almaden Research Center, San Jose (CA), USA
- 9/2005: Visiting Professor at Zhejiang University, Hangzhou, China
- 10/2007: Visiting Professor at the Data Storage Institute (DSI), Singapore
- 9/2008: Visiting Professor at the Shanghai Institute of Microsystems and Information, Chinese Academy of Sciences
- 3/2010-6/2010: Visiting Professor, Geballe Laboratory for Advanced Materials, Global Climate and Energy Project, Stanford University, CA, USA
- 7/2010-9/2010: Visiting Professor, Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- 10/2006-10/2008 Dean of the Faculty of Mathematics, Informatics and Natural Sciences, RWTH University of Technology Aachen, Germany
- since 2009: Speaker of the Strategy Board of RWTH Aachen University
- since 2009: Ambassador Scientist of the Alexander von Humboldt foundation
- 10/2010: offer to become Director of Max Planck Institute (Düsseldorf) (declined)
- since 7/2011: Speaker of the Collaborative Research Center (SFB 917): Nano-switches: Resistively switching chalcogenides for future electronic devices

Awards and Honors:

- 1988: Friedrich-Wilhelm Prize of RWTH Aachen for outstanding achievements within the Ph.D. thesis
- 1993: Heinz-Maier-Leibnitz Prize of the Ministry for Education and Science for "Chemistry and Physics of thin films and layer systems"
- 1995: Gaede-Prize of the German Vacuum Society
- 2007: Stanford R. Ovshinsky Prize
- 2009: Einstein Professorship of the Chinese Academy of Sciences
- 2011: Member of the Northrhine-Westphalian Academy of Sciences and Arts
- 2013: ERC Advanced Grant: Tuning Disorder in Chalcogenides to realize Advanced Functional Devices