

CURRICULUM VITAE

Karsten Wedel Jacobsen

Date of birth: December 17, 1956
Citizenship: Danish
Marital status: Married to Lis Melby
Children: Martin, born April 29, 1986
Lærke, born March 31, 1988
Kåre, born March 31, 1988
Astrid, born February 25, 1994

Education:

- M.Sc. in Physics, January 1984, University of Copenhagen, Denmark
- Ph.D. in Theoretical Physics, June 1987, University of Copenhagen, Denmark

Employments:

1984 Research Fellow, Haldor Topsøe A/S, Lyngby, Denmark
1987-1988 Post Doctoral Fellow, Laboratory of Atomic and Solid State Physics, Cornell University, Ithaca, USA
1988-1989 Senior Research Fellow, Laboratory of Applied Physics, Technical University of Denmark, Lyngby, Denmark
1989-2001 Associate Professor, Department of Physics, Technical University of Denmark, Lyngby, Denmark
1996-1997 Visiting professor (8 months) at Laboratory of Atomic and Solid State Physics, Cornell University, Ithaca, USA
1997-2001 Research Professor, CAMP, Department of Physics, Technical University of Denmark, Lyngby, Denmark
2000 Visiting professor (2 months) at EPFL, Lausanne, Switzerland
2001- Professor, Department of Physics, Technical University of Denmark, Lyngby, Denmark
2005-2006 International Advisor on Nanoscience, the Finnish IT center for science (CSC), Espoo, Finland
2006-2007 Head of Department, Department of Physics, Technical University of Denmark, Lyngby, Denmark

Participation in centers/networks/organizations:

- Member of the Center for Atomic-scale Materials Physics (CAMP) (Danish National Research Foundation), 1993-2003
- Member of the board of the Danish Physical Society, -2002
- Project leader, “Nanomechanics” (grant from Danish Research Councils), 2000-2004
- Member of SIMU: The European Science Foundation programme “Challenges in Molecular Simulations: Bridging the time-scale and length-scale gap”, 2000-
- Member of European Co-operation in the field of Scientific and Technical Research (COST) Action 523 “Nanostructured Materials”, 2000-2004
- Chairman of the Center Committee for the Engineering Research Center “Materials Structures and Materials Models”, Risø, Denmark, 2000-2003
- Member of the Steering Committee for “Free Software Project for Atomic-scale Simulations” (FSatom), CECAM, Lyon, France, 2002-
- Member of MIKA Advisory Board, Helsinki, Finland, 2005-
- Vicedirector of Center for Atomic-scale Materials Design (CAMD) (Lundbeck Foundation) 2006-

International conference organization:

- Organizer of 3rd Topsøe Summer School on Surface Science, August 1990
- Chairman of Workshop on Total Energy and Force Methods, Copenhagen, January 1994

- Member of International Programme Committee, 17th European Conference on Surface Science, The Netherlands, September 1997
- Member of International Advisory Committee, 19th Risø International Symposium on Materials Science, September 1998
- Co-organizer of the CECAM Workshop: “Open Source Software for Microscopic Calculations”, Lyon, France, June 2002
- Co-organizer of the conference: “Frontiers in Electronic Structure Theory”, Denmark, October 2004

Administrative posts at DTU:

- Chairman of the Physics PhD Programme Committee, -2001
- Coordinator of the Engineering Physics educational programme, 1992-
- Chairman of the Education Committee of the Department of Physics, 2001-2005
- Member of the Scientific Committee of LearningLab DTU, 2004-2005

Honors:

- Ellen and Hans Hermer Foundation, Copenhagen, December 1994
- Elected Member of The Danish Academy of Natural Sciences (DNA), 1994
- Elected Member of Danish Academy of Technical Sciences (ATV), 2001
- Reinholdt W. Jorch's Award, Copenhagen 2004

Miscellaneous:

- Member of the American Physical Society

Research:

Research interests in the theoretical description of materials, nanostructures, and biomolecules. Approximately 145 published papers (cited 6442 times, SCI March 25, 2008; Hirsch index 42), and 73 invited talks at international conferences.

Teaching:

Extensive teaching experience at both undergraduate and graduate level. Adviser for 18 PhD students