

Curriculum Vitae – Rafal E Dunin-Borkowski

PERSONAL DETAILS

Date of birth: 3 Aug 1969
Nationality: British

ADDRESS FOR CORRESPONDENCE

Ernst Ruska Centre for Microscopy and Spectroscopy with Electrons
Institute for Microstructure Research
Peter Grünberg Institute
Forschungszentrum Jülich
D-52425 Jülich, Germany
Tel. +49 2461 61 9297
Email: rafaldb@gmail.com
URL: <http://www.rafaldb.com/>



PROFESSIONAL CAREER

- 2011 - Director of the Institute for Solid State Research (PGI-5), Jülich.
- 2011 - Director of the Ernst Ruska Centre for Microscopy and Spectroscopy with Electrons, Jülich.
- 2011 - Professor of Experimental Physics, RWTH Aachen University.
- 2011 - Adjunct Professor, Center for Electron Nanoscopy, Technical University of Denmark.
- 2006 - 2011 Director of the Center for Electron Nanoscopy, Technical University of Denmark.
- 2006 - 2011 Professor of Electron Microscopy, Technical University of Denmark.
- 2000 - 2007 Royal Society University Research Fellow in the Dept of Materials Science and Metallurgy, University of Cambridge, U.K.
- 1999 - 2000 Senior Research Officer in the Dept of Materials, University of Oxford, U.K.
- 1997 - 1998 Research Associate in the Center for Solid State Science, Arizona State University, U.S.A.
- 1994 - 1996 Research Associate in the Dept of Materials Science and Metallurgy, Cambridge, U.K.

UNIVERSITY EDUCATION

- 1990-1993 Ph.D. in the Dept of Materials Science and Metallurgy, Cambridge, U.K.
- 1987-1990 B.A. (Hons) in Natural Sciences (Physics and Theoretical Physics), Cambridge, U.K.

RESEARCH INTERESTS

Electron microscopy of nanostructured materials and devices; electron tomography; aberration-corrected high-resolution electron microscopy; electron holography of magnetic and electric fields; instrumentation development for electron microscopy; interface characterization.

SUMMARY OF RESEARCH OUTPUT AND ACTIVITIES

18 book chapters published
136 journal papers published, a further 9 submitted
160 conference papers published in proceedings
145 other conference papers and short abstracts

92 invited and plenary talks at conferences
37 invited seminars
49 contributed talks at conferences

TEACHING AND SUPERVISION

Supervision of 15 Ph.D. students.
Graduate lecture courses in microanalysis and electron microscopy.
Undergraduate teaching of physics, materials science and electron microscopy.

AWARDS

- Ernst Ruska Prize 2009.
- Royal Society University Research Fellowship from October 2000.
- Senior Research Fellowship under Title B at Churchill College, Cambridge from October 2005.
- 7 prizes for papers presented at international conferences and 5 prizes for science as art

PROFESSIONAL MEMBERSHIPS

Materials Research Society; Institute of Physics; Royal Microscopical Society; Microscopy Society of America.