Curriculum Vitae

Anders Malthe-Sørenssen

Physics of Geological Processes, P.O.Box 1048 Blindern, 0316 Oslo, Norway
Phone: 22 85 64 77
Email: malthe(at)fys.uio.no
Born: 13/02/69

Professional Experience

2006–	Professor, Department of Physics, University of Oslo.
2004–	Group leader and Education coordinator, Physics of Geological Processes.
2006–2006	Associate Professor, Department of Physics, University of Oslo.
2002–2004	Division lead, Physics of Geological Processes. Developed the new cross-disciplinary master program for PGP.
2001–2002	Vice president of Technology in Photonyx, now Ignis, a company developing a light modulator for use in displays and tunable fiber-optics. Assisted in raising $7.5m of venture capital. Responsible for research management and technology development. Inventor of the main technology patents. Ignis is listed on the Norwegian Stock Exchange and is currently worth 700MNOK.
1999–2003	One of three initiators of the Petroleum Implications of Sill Intrusions initiative, a multi-disciplinary three-year program with 10 industrial collaborators and a total budget of $2.0m.
1999–2001	Post-doc at University of Oslo. Visiting Scholar at Stanford University.
1995–2003	Co-author of FramView, a simulation tool for modeling geological deformations based on a discrete element model, as part of a collaboration between Fracton and Conoco.
1998–1999	Post-doc at Fluid rock interactions strategic university program at UiO.
1994–1995	Visiting scientist at IBM Watson research center.

Education

1998	Dr. scient. in Physics, University of Oslo.
1994	Cand. scient. in Physics, University of Oslo (top 1%).
1992	Russian Language Course, Norwegian Defence School for Intelligence and Security (best candidate overall, Russian, and military)
1990	Cand. mag. in Physics, University of Oslo (top 1%).

Awards, prizes, and grants

2005	Received a 6.5 MNOK grant for "Hydrocarbon maturation in aureoles around sill intrusions in organic-rich sedimentary basins" from the NRC (as 1 of 5 co-applicants).
2004	Received a 4.7 MNOK grant for "Formation of Piercement Structures in Sedimentary Basins" from the NRC.
2003	Received a 5 MNOK grant for "Emplacement Mechanisms and Magma Flow in Sheet Intrusions in Sedimentary Basins" from the NRC (as 1 of 3 co-applicants).
2001	Norsk Varekrigsforsikrings fonds prize for young researchers in Norway.
2000	Norwegian member of Scientia Europea, a European conference of young elite scientists within Physics, Chemistry, and Biology.
1999	Post-doc grant (2 years) from the Norwegian Research Council.
1999	His Majesty the King's Gold Medal for best dr. scient. thesis at the Faculty of Mathematics and Natural Sciences, University of Oslo.
1995	IBM Prize for excellent achievements in parallel computing.

Teaching experience

2005–	Developed and lectured a new integrated course Disordered systems and percolation (FYS4460), at Department of Physics, UiO. Developed Matlab based interactive exercises and a 250 pages preliminary text-book.
2004–	Developed and lectured the course Introductory project: Scientific authorship and presentation technique (FYS-GEO4100), at Physics of Geological Processes, UiO.
2004–	Developed and lectured new curriculum for Introduction to Condensed Matter Physics (FYS3410), at Department of Physics, UiO.
2003–	Developed the new cross-disciplinary master program for PGP. Designed three new cross-disciplinary courses. Chairman of program committee for the Master program.
1999	Teaching assistant in a basic course in general physics (FYS050), Department of Physics, UiO.
1994–1998	Teaching assistant in a basic course in statistical physics (FYS114), Department of Physics, UiO.

Academic record

Published 19 papers in international research journals with referee (3 in Nature) and 5 papers are currently in review.

Presented 28 invited talks at conferences and universities (17), and for industry (11).

Presented 15 contributed talks and posters, co-authored 18 invited talks, and 20 contributed talks and posters.

2 PCT patents granted.

Successfully supervised 3 Master students and 1 PhD student. Currently supervising 2 Master students and 3 PhD students.

Other interests and general information

Regular reviewer for Physical Review Letters, Physical Review E, European Journal of Physics, Geology, Journal of Geophysics Research, and International Journal of Fracture.

Interpreter for disarmament inspection teams to Russia according to the CFE Treaty (Conventional Forces Europe) and the Vienna Document (OSCE) (1994-1999).

Chairman for the alumni association for the Russian Program at NDISS (1992-1997)

Married (2002). Three children (1998, 2003, 2004).