

# CONDENSED CURRICULUM VITAE

## *Mats Bohgard*

Division of Ergonomics and Aerosol Technology, Department of Design Sciences  
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Birthplace: Stockholm, Sweden Birth date: March 16, 1950

### EDUCATION

Higher school certificate (school of science), Skanstulls gymnasium, Stockholm, Sweden, 1969;  
M Sc in Engineering Physics (Swedish: civilingenjör, teknisk fysik), Lund University, Lund, Sweden, 1976;  
PhD in Nuclear Physics (Swedish: teknologie doktor), Lund University, Lund, Sweden, 1984; Associate professor degree (Swedish: docent), Lund University, Lund, Sweden, 1991

### PROFESSIONAL EXPERIENCE

1976-1983 Department of Nuclear Physics, Lund University: teaching and research assistant, assistant professor  
1983: Department of Environmental Health, Lund University, School of Medicine, assistant professor  
1981-1985: Teaching at school of Safety Engineering, University college, Jönköping, Sweden, assistant professor (3 months)  
1984 -1995: Department of Working Environment: Senior lecturer/Associated professor  
1995 -1999: Professor, (Swedish: biträdande professor)  
1999 - Professor, Division of Ergonomics and Aerosol Technology, Lund University  
2007- Deputy co-ordinator and responsible for the part at the faculty of engineering of the METALUND centre of excellence ( "Medicine and Technology for Working Life and Society" Swedish council for Work Life and Social Research)  
2009 - Head of Division of Ergonomics and Aerosol technology (ämnesföreträdare)

### PROFESSIONAL ACTIVITIES

#### Research

He is leader of the Aerosol group at EAT and has been project leader and participated in a large number of research projects mainly directed towards aerosol technology –including development of instruments and methods for health- and environmental relevant characterisation of airborne particles (including nanoparticles).

Together with co-workers he has created an aerosol laboratory of high international class which has been used for experimental studies in a large number of national and international interdisciplinary studies. The research has been funded by Swedish research councils and CEC. His research has been focused on various aspects of health related characteristics of air pollution, but also more fundamental and technical aspects of aerosols. At the laboratory the scientific staff has conducted studies which have increased our understanding of airborne particles in the atmosphere, indoor environments, industrial work environments.

The following quotations are from verdicts about the division of Ergonomics and Aerosol Technology and the Department of Design sciences from the international expert panel in the RQ08 research evaluation (Research Quality Assurance for the Future RQ08 – A Quality Review of Research at Lund University, Lunds universitet 2008: [http://www.lu.se/upload/LUPDF/Forskning/RQ08\\_helarapporten.pdf](http://www.lu.se/upload/LUPDF/Forskning/RQ08_helarapporten.pdf)):

:“The department focuses on the interaction between humans, technology and design. This provides a good basis for highly innovative research.” ..... “The research has an interdisciplinary character focused on the design of products, environments and technology systems as well as on the interactions between people and environment. This is a rather unique unit in a faculty of engineering. The department is also characterized by extensive collaboration both within LU and with external partners.” ..... “The Division of Ergonomics and Aerosol Technology is a well-established and well-known research unit.”, ..... “The Division of Ergonomics and Aerosol Technology belongs to the leading research laboratories in the world. Thus, its level of research quality is outstanding. The grade for the whole department is excellent.” ..... ”Its extensive and versatile research network is an indication of outstanding research management. They have also been capable to refocus their research according to the changing needs in society”.

The last years, the work has been more focussed towards airborne particles in general indoor environments, emissions from road traffic and biomass combustion which reflects the increasing societal interest in these areas. He has also recently been a member of a European group of scientists (EUROPART) reviewing scientific information on health effects of airborne particles in indoor environments and acted as an expert for a review of particles of indoor air and health for the Swedish National Board of Health and Welfare. He has e.g. been invited to lecture on indoor airborne particles and nanoparticles several times for public service purposes and a workshop on aerosol particles and health which was connected to the European Aerosol Conference in Ghent 2005).

**Teaching:**

Has since 1975 been course director of, and been teaching in a large number of courses at Lund University (physics, environmental hygiene, working environment, risk analysis, aerosol technology, indoor air – ventilation, ergonomics, methods for environmental monitoring etc.) and has also been guest lecturer at other universities. He has developed courses for an industrial hygienist programme, in aerosol technology (for engineering, master, doctoral and external students) and in work environment for various engineering programmes. He has been director of studies at the Division of Ergonomics and Aerosol Technology. He has during the last years been active as teacher and supervisor in eight courses within the Work Environment College at Lund University together with teachers in psychology and social sciences. He was appointed as ETP (Excellent Teaching Practice) at the Faculty of Engineering, Lund University 2004.

**Supervision and PhD examination**

Has been main supervisor of four PhD thesis, five licentiate thesis and assistant supervisor of four PhD theses and has been lecturing a number of PhD courses and member of examination boards/external examiner of 25 PhD thesis in Sweden, Germany and Denmark. Is currently main supervisor of one PhD student and assistant supervisor of four PhD students.

**Miscellaneous**

He has written expert's statements on applicants to various scientific positions at Swedish and Finnish universities. He has acted as referee of scientific papers for journals as Indoor Air, Journal of Aerosol Science, Aerosol Science and Technology and Chemical Engineering and for scientific proposals including two CEC-proposals. He has been in organisation or scientific committees of seven international conferences. Has been board member of various university and scientific committees, including president of Nordic Society for Aerosol research, and a member of the board of International Aerosol Assembly. He is presently member of the board of Work Environment College at Lund University.

**Publications**

The complete list of publication consists of more than 200 titles including peer-review journal papers (more than 50), contribution to conference proceedings, reports, book chapters, teaching material, public service publications and two patents.