

CV: Joakim Pagels, Associate Professor



Personal data

Name: Hans Joakim Pagels
Born: 5 May 1973
Nationality: Swedish
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Introduction:

My research is mainly focused on health-related aspects of aerosol particle emissions from combustion sources and engineered nanomaterials. The research includes multi-disciplinary studies carried out in close collaboration with designers of combustion- and particle generation systems in one end and toxicologists, occupational hygienists and climate modelers in the other end. On-going research focuses on biofuel emissions that ranges from solid fuel combustion systems such as wood stoves used in Europe and cook stoves used in developing countries as well as traffic emissions from renewable vehicle fuels. The research is based in the Lund University Aerosol Laboratory. A main tool is real-time mass spectrometry based techniques. I am also deeply engaged in the research education in Aerosol technology at LTH.

Present work address

- Ergonomics & Aerosol Technology (EAT), Lund University, Faculty of Engineering. Box 118, SE-221 00 Lund, Sweden, Tel. +46 46 222 16 88, E-mail: Joakim.Pagels@design.lth.se

Higher education qualification

- MSc in Engineering Physics (Teknisk Fysik), Lund University, 1999.
- PhD in Aerosol Technology, Lund University, Sweden, 2005.

Postdoctoral positions

- *March 2006 - March 2007, Postdoc* at Dept. Mechanical Engineering, Univ. Minnesota, USA (Research group of Peter McMurry). Funded by a personal scholarship issued by FORMAS

Qualification required for appointments as a docent

- Appointed Docent (Reader) in Aerosol Technology at Lund University in March 2013.

Present position

- *Senior Lecturer* with 70% research and 30% teaching and administration at Ergonomics and Aerosol Technology, Dept. Design Sciences, Lund Univ., Sweden. Permanent position (since 2013).

Previous positions and periods of appointment

- *1998-1999 Project Employment* at Ergonomics and Aerosol Technology, Lund University
- *1999-2005 Graduate Student* at Ergonomics and Aerosol Technology, Lund Univ.
- *2005-2006 Project Leader* at Ergonomics and Aerosol Technology, Lund Univ.
- *2007-2012 Assistant Professor* at Ergonomics and Aerosol Technology, Lund Univ.
- *2011-2012 Assistant Professor* at the Pufendorf Institute for Advanced Studies, Lund Univ. (10% for 8 months)

Research exchange/sabbatical

- Visiting scientist at Aerodyne Research, Boston, MA, USA, October 2013 - December 2013. Div. Aerosol & Cloud Chemistry, with Dr. Tim Onasch and John Jayne

Parental leave

- 2011-09-01 - 2012-01-31 Paternity leave 60% , 2009-08-15 - 2010-01-31 Paternity leave 75%

Activities within the research education

- Main responsibility for the research education (third cycle) in Aerosol Technology at Lund University, 2017-
- Director of studies: Metalund research school 2011-2016
 - Arranged annual retreats with the PhD students, providing tools to support in the PhD education
 - Implemented new multi-disciplinary third cycle courses (e.g. on Particles & Health)
- Supervision of graduated PhD students: Two as main supervisor, seven as assistant supervisor
- Ongoing supervision:
 - Main supervisor: Two PhD students, Assistant supervisor: Two PhD students

Experience of stakeholder communication

- Invited speaker at multidisciplinary workshop on “Health impact of biomass burning”. European Respiratory Society, Brussels, March 6-7, 2014.
 - Position paper on “Health effects of wood smoke” in European Respiratory Journal.
- Contributed with research results and knowledge to stake-holders including:
 - International Cryosphere Coalition Initiative (NGO) 2018,
 - Dept. of Environment, DEFRA, UK Gov. 2018
 - Swedish Work Environment Authority 2019

Commissions of trust

- President (chair) of the Nordic society for aerosol research (NOSA), 2013-2015
- Board member: NOSA 2008-2016, European aerosol assembly (EAA) 2013-2015
- Member of the working committee at the division of Ergonomics & aerosol technology, 2017-
- Career & recruitment board, Lund University, Faculty of engineering, Deputy member 2019-
- Main opponent / main external reviewer at PhD Thesis defence on four occasions
 - ETH/PSI, Switzerland, (2017), Rostock University, Germany (2017), University of Eastern Finland (2015), Helsinki University (2014)
- Examination board at PhD defenses in Sweden
 - Member of the examination board: 7 times (including 3 times as deputy member)
- External reviewer for more than ten international peer-review journals
- External reviewer of proposal for Natural environment research council, UK

Other merits:

- Obtained research funding and research management:
 - In total more than 3 Million € as PI, an additional 3 Million € as Co PI, Main funders: Formas, VR, FORTE, AFA Insurance, EU ERA-NET, EU-FP7
- Ten weeks of pedagogical and leadership courses arranged by Lund University
- Invited plenary speaker at international scientific conferences:
 - OEH-Nano, Loen, Norway 2019
 - Annual meeting for the Nordic society for aerosol research, 2017
 - 2nd Work place & Indoor aerosols conference, 2012

Bibliometric summary

- 70 Peer-reviewed journal publications
- Web of Science / Publons <https://publons.com/researcher/2519864/joakim-pagels/>
 - Sum of the times cited Web of Science: 2585 (Google scholar 3877), Average citations per article in Web of Science: 36.9 (February 10 2020)