

Jakob Löndahl, Curriculum Vitae (Sep 2020)

Education

- 2009 **Ph.D. in engineering physics, aerosol science, Lund University**
“*Experimental determination of the deposition of aerosol particles in the human respiratory tract*”
Date of dissertation: 27th Feb 2009 (finished more than one year before due date)
Main supervisor: Prof. Erik Swietlicki
- 2004 **M. Sc. in engineering physics, Lund University**
- 1999 **Military service, second lieutenant in the Swedish army**
Grades: demeanour 10, knowledge 9, suitability for service 9 (scale 1-10)
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Employments/Docent

- 2015 **Docent**
- 2013- **Senior lecturer/Associate professor** (sv. universitetslektor) in aerosol technology, div. of Ergonomics and Aerosol Technology, Lund University (LTH), about 80% research
- 2012-2013 **Postdoc** at Div of Ergonomics and Aerosol Technology, Lund University (LTH)
- 2011 **Postdoc** at McGill University (Montreal, Canada, 6 months) and NERI (National Environmental Research Institute, Aarhus University, Denmark, 6 months).
- 2009-2010 **Project leader (researcher)**, Div. Nuclear Physics, Lund University.
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Parental leave

- 2007-2020 **Four children aged 6-13 yrs. Parental leave for in total more than three years: 40 full months.**
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Awards

- Lund University Innovation Prize 2017.** Personal award shared with Prof Per Wollmer, 35000 SEK (€3500).
- Sten K Johnson scholarship 2014 and 2016:** A personal scholarship of 120 000 SEK (about €13 000) and 150 000 SEK (€16 000) shared with prof. Per Wollmer for new diagnostic method for pulmonary emphysema.
- “Best” doctoral thesis at Lund Institute of Technology:** Personal award of 100 000 SEK
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Other

- Main supervisor for 4 Ph.D. students:** M.Sc./PhD Jonas Jakobsson (PhD 2018), M.Sc. Malin Alsved (PhD 2020), M.Sc. Madeleine Petersson Sjögren 2018-, M.Sc. Sara Thuresson 2019-
- Main supervisor for 1 postdoc:** Tina Santl-Temkiv (2015), now senior researcher at Aarhus University
- Co-supervisor for 3 Ph.D. students:** MD/PhD Ala Muala, physician, Umeå University, PhD 5th June 2014, MD/PhD Laura Aaltonen, Lund University, M.Sc. Hussam Bashir, M.Sc., KTH, Royal Institute of Technology, PhD student 2015-16
- Main supervisor of 16 student thesis (13 M.Sc. and 3 B.Sc.)**
- Lecturered** at 10 courses (Lund University and Aarhus University). Organized 6 PhD courses.
- Director of the Aerosol Laboratory at LTH** (located at IKDC, Design sciences). This facility has about 400 m² state-of-the-art research equipment for measurement of aerosol particles, for human exposure studies and for analysis of air samples (chemical, physical and biological analysis). It is presently used by 17 senior scientists and students and collaborators in their projects. The lab also employs one part time research engineer.
- Grants** Total grants as PI: >30 MSEK from VR, FORMAS, AFA, FORTE, The Swedish Heart and Lund Foundation, VINNOVA, The Crafoord foundation and the Swedish Energy Agency.
- CEO and founder** (together with Prof./MD Per Wollmer) of the company “JP Respiratory Technology AB”.