

Name: **Lehtipalo, Katrianne**  
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**CURRICULUM VITAE**  
16.1.2019

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- Education & degrees**      2017 **Title of Docent in physics**, University of Helsinki
- 2011 **Doctor of Philosophy (PhD)**, University of Helsinki. Major: physics (grade 5/5).
- 2007 **Master of Science (MSc)**, University of Helsinki. Major: physics (grading: 5/5), minors: theoretical physics (4/5), geophysics (5/5) and mathematics (5/5).
- 2002 **Baccalaureate**, Lyseonpuiston lukio, Rovaniemi, Finland. Overall grade: *laudatur* (top 5% of student nationally)
- Other training**              **Science journalism for researchers** (Suomen Luonto and Kaskas Media), spring 2018
- Academic leadership course** (University of Helsinki / Bo Mentis Coaching House), 2014-2015
- Project management training for researchers** (University of Helsinki / POHTO), 2015
- How to become talented leader**, Helsinki summer university, 2013
- Language skills**              Finnish: mother tongue  
Swedish: fluent (second home language)  
English: fluent (main working language)  
German: good (level C1, TLC language school, Switzerland)
- Current position**              **Associate Professor** in Atmospheric science at **University of Helsinki, Institute for Atmospheric and Earth System Research & Finnish Meteorological Institute**
- Work history**                2017-2018 **MSCA-IF Fellow**, Institute for Atmospheric and Earth System Research, University of Helsinki, Finland
- 2015-2017 **Visiting scientist (MSCA-IF Fellow)**, Paul Scherrer Institute, Villigen, Switzerland
- 2015 **University lecturer**, Department of Physics, University of Helsinki

2011-2015 **Post-Doctoral researcher** at the Division of Atmospheric Sciences, University of Helsinki.

2010 –2014 **Science manager, Airmodus Ltd.** (part-time)

2008-2011 **Doctoral student** at the Division of Atmospheric Sciences and Geophysics, Department of Physics, University of Helsinki

2004-2007 **Research assistant** at the Division of Atmospheric Sciences, Department of Physical Sciences, University of Helsinki

### **Leadership skills**

**Guidance group leader** of Aerosols & Ions group at the University of Helsinki, 2013- 2015 & 2017-

**Official PhD supervisor:** 2 completed, 4 ongoing, **Assisting PhD supervisor:** 3 completed, 4 ongoing

### **Obtained funding**

-**Marie Skłodowska Curie Individual Fellowship**, European Commission's Horizon 2020 programme, 2015-2018.

-**EUROSTARS project GANS** (Gas-Aerosol Nucleation Spectrometer). Collaboration with IONER, Airmodus and University of Helsinki.

-**Emil Aaltonen Foundation**, targeted grant.

-**Scholarship at Graduate School: Atmospheric Composition and Climate Change: From Molecular Processes to Global Observations and Models**, 2010-2011

-**Scholarship at Maj ja Thor Nessling foundation project: The effect of ionizing radiation and air pollution on atmospheric particle formation**, PI PhD Ilona Riipinen, 2008-2009.

### **Teaching experience**

**Member of the teaching skills evaluation committee**, Faculty of Science, University of Helsinki, 2018-

**Department of Physics student counsellor**, 2014-2015

**Lecturer or main organizer of following courses at Univ. Helsinki:**

-Formation and Growth of Atmospheric Aerosols, 5 ECTS, August 2018

-Atmospheric aerosol physics, measurement and sampling, 5 ECTS, May 2018

-Termodynaamiset potentiaalit (thermodynamic free energies), 5/6 ECTS, lecturer autumn semesters 2014, 2018

-Termofysiikan perusteet (basics of thermodynamics), 4 ECTS, autumn semester 2014

-Aerosol Physics I, 5 ECTS, autumn semester 2013

**Assisting teacher:**

-Formation and Growth of Atmospheric Aerosols, 5 ECTS, 2008, 2010, 2012, 2014

-Advanced analysis of atmospheric processes and feedbacks and biosphere-atmosphere interactions, 5 ECTS, 2013, 2015, 2016, 2018

-Analysis of atmosphere-surface interactions and feedbacks, 5 ECTS, Nanjing, China (organized by Univ. Helsinki), 2017

-Physics and chemistry of Air Pollution and their Effects, 5 ECTS, 2008, 2009, 2011, 2012  
-Basic studies laboratory works, 3 ECTS, spring and autumn 2008  
-Termofysiikka (basic level thermodynamics and statistical physics), 9 ECTS, autumn semesters 2006, 2007, 2008

**Supervising of 5 MSc & 2 BSc theses**

**Other scientific merits**    **Analysis working group coordinator**, CLOUD project, 2014-2017.

**Reviewer of a funding application**, Estonian Research Council, 2018.

**Reviewer of 1 PhD thesis (2017) and 1 MSc thesis (2018)**

**Project management** of the CLOUD-MOTION MSCA-ITN project for Univ. Helsinki, 2017-2020

**Participation in organizing measurement campaigns** at Hyytiälä SMEAR II station, spring 2013 & 2014, Jungfraujoch high-alpine station summer 2016, main role in planning experiments during CLOUD10-11 campaigns (2015, 2016)

**Peer-reviewer** for the following journals: *Atmospheric Chemistry and Physics* (5), *AMBIO* (2), *Journal of Geophysical Research* (2), *Tellus* (1), *Geophysical Research Letters* (1), *Atmospheric Measurement Techniques* (1), *Current Pollution Reports* (1), *Chemosphere* (1)

**Organizer of meetings**    Member of organizing committee of the **Climate Festival** – official opening of INAR and full day public science event at Tiedekulma, Helsinki, 25.5.2018

Member of the local organizing committee, **International Conference of Nucleation and Atmospheric Aerosols**, 25-30.6.2017, Helsinki, Finland.

Main organizer of the **Particle Size Magnifier User Meeting 22.-23.8.2012** Hyytiälä, Finland and 11.12.2013 Helsinki, Finland (webinar)

Member of the local organizing committee for the 5<sup>th</sup> **NorWiP (Nordic Women in Physics)** – meeting in Helsinki, August 2009

Conference assistant at the **International Aerosol Conference (IAC 2010)** in Helsinki 30.8. – 3.9.2010

**Societal impact**    **Public relations assistant** at the Physics Department at the University of Helsinki 2010-2011

Designing and compiling **a data base on aerosol particles**: [www.hiukkastieto.fi](http://www.hiukkastieto.fi) consisting of 52 general level articles and 47 FAQ in Finnish. Project leader: Kaarle Hämeri ([kaarle.hameri@helsinki.fi](mailto:kaarle.hameri@helsinki.fi)).

**Memberships and  
Confidential Posts**

**Member of the Board of Directors**, Airmodus Ltd, 2017-, **Scientific advisor** 2014-2017.

**Member of the equality committee**, Division of Atmospheric Sciences, University of Helsinki, 2013-2015

**Board member** at the Finnish Association for Aerosol Research, FAAR, 2013-2015, **Secretary** 2009-2013

**Member of the representative council of the Finnish Fine Particle Forum** (Hiukkasfoorumin edustajisto), spring 2014