



Ilona Riipinen

SWEDEN

Associate Professor Ilona Riipinen
Department of Environmental Science and Analytical Chemistry (ACES)
Stockholm University
ilona.riipinen@aces.su.se
+46-73-5859251

Education

PhD in physics (excellent 5/5, top 10%), thesis grading *Laudatur* (top 1%), Univ. Helsinki, Finland, April 18th 2008
MSc in physics (excellent 5/5, top 10%), thesis grading *Laudatur* (top 1%), Univ. Helsinki, Finland, October 21st 2005

Research interests

Atmospheric composition, climate and air quality. Transport, transformation and dynamics of atmospheric aerosol particles.
Cloud formation, thermodynamics and phase transitions.

Research positions held

Associate Professor, ACES, Stockholm University, Sweden, 2011-
Adjunct Professor, Department of Chemical Engineering, Carnegie Mellon University, USA 2011-
Docent, Department of Physics, University of Helsinki, Finland, 2011-
Dreyfus post-doctoral fellow, Center for Atmospheric Particle Studies, Carnegie Mellon University, USA, 2009-2011
Post-doctoral researcher, Department of Physics, University of Helsinki, Finland 2009-2010
Doctoral student/Researcher, Department of Physics, University of Helsinki, 2003-2009

Awards and honors

IUGG (International Union for Geodesy and Geophysics) Early Career Scientist Award in meteorology, 2015
Smoluchowski Award for significant contributions to aerosol science, Gesellschaft für Aerosolforschung (GAeF), 2014
Membership of Academy Club for Young Scientists, Finnish Academy of Science and Letters, 2010-2011
Sheldon K. Friedlander Award for excellent dissertation, American Association for Aerosol Research (AAAR), 2010
The Award of the Finnish Association for Aerosol Research (FAAR) for excellence in aerosol research, 2010
Doctor Prima in the 95th conferment of the Faculty of Philosophy, University of Helsinki, 2010
Invited participant of ACCESS IX (Atmospheric Chemistry Colloquium for Emerging Senior Scientists), MT, USA, 2007
PhD thesis award of the University of Helsinki, all faculties, 2008
MSc thesis award of the Department of Physics, University of Helsinki, 2005

Publications and presentations

97 peer-reviewed articles in scientific journals (13 *ISI* highly cited papers, i.e. in the top 1% in the field of geophysics; 1 in *Nature*, 2 in *Science*, 1 in *Nature Geosci.*, 1 in *Nature Protocols*, 1 in *Chem. Soc. Rev.*, 1 in *Proc. Nat. Acad. Sci.*), 3223 (2764) citations, *h*-index 32 (*ISI Web of Science*, April 2015); **5 book chapters** in *Boreal Forest and Climate Change*, Springer 2008; *Nature's Nanostructures*, Pan Stanford publishing 2011; *From the Earth's Core to Outer Space*. Springer 2012; **> 200 peer-reviewed conference papers**; **35 invited talks** at scientific conferences, universities and seminar series during 2004-2014; **27 other oral presentations** as the first author at international scientific conferences during 2004-2014

Research leadership

Deputy unit head, Atmospheric Science Unit, ACES, Stockholm University, 2014-
Research Area leader, Bolin Centre for Climate Research, 2013-
Principal investigator, project ATMOGAIN (1.5 MEur) funded by the European Research Council starting grant, 2011-2016
Scientific work package leader, European integrated project EUCAARI, 2007-2011; Nordic Center of Excellence CRAICC, 2012-2015; Nordic Center of Excellence eSTICC 2014-2019
Principal investigator for several smaller projects (with overall funding over 700 kEur), funded by Vetenskapsrådet, Formas, University of Helsinki funds, Camille and Henry Dreyfus foundation, Maj and Tor Nessling foundation, Vilho, Yrjö and Kalle Vaisala foundation and Magnus Ehrnrooth foundation, during 2006-2014
Board / directorate memberships: American Association for Aerosol Research (AAAR) Board of Directors, 2013-; Nordic Society for Aerosol Research (NOSA) board, 2011-; Department of Applied Environmental Science board, Stockholm University, 2012-; SITES measurement network board, 2014-

Leadership training: *Personal Leadership* leadership training 2011-2012; *Handledning och ledarskap* by the Faculty of Science, Stockholm University, 2014

Principal (co-)advisor of 7 PhD students (5 ongoing; 6 post-doctoral researchers; 10 MSc students; 3 BSc students).

Conference organisation/steering committee memberships:

Chair, IAMA conference 2015, USA

Chair, NOSA annual meeting 2014, Sweden

Program committee member, IAMA conference 2013, USA

Workshop Chair, Early Career Scientist Workshop, iLEAPS conference 2011, Germany

Program committee member, Finnish/Nordic Physics days 2011, Finland

Steering group member, Millennium Youth Camp 2010, Finland

Chair, Workshop on saturation vapour pressures of atmospheric organic compounds 2010, Denmark