

Kaarle Hämeri
CURRICULUM VITAE

1 Full names

Kaarle Juhani Hämeri

2 Date and place of birth

1964, Espoo, Finland

3 Current position

Chancellor, from 1st October 2017

4 Education and training

University of Helsinki, Finland:
1991 M. Sc.
1995 Ph. D.
1999 Doc.

5 Previous professional appointments

University of Helsinki:
Assistant (total 48 months) 1991–1996.
The Academy of Finland:
Project researcher (total 12,5 months) 1991–1993.
Post doc -researcher, University of Stockholm, 1996.
Junior Fellow, The Academy of Finland, 1996–1998.
Coordinator of Environmental Research, University of Helsinki, 1998–2000.
Senior Fellow, Finnish Institute of Occupational Health, 2000–2002.
Professor, University of Helsinki, 2002–
Vice head, Department of Physics, 2010–

6 Publications

More than 130 original journal articles in peer-reviewed international Journals
More than 250 other publications

7 Research awards and research honours

FAAR The Finnish Aerosol Award for experimental work in aerosol science, Hyytiälä 15.4.1997,
The Finnish Association for Aerosol Research

NOSA Aerosologist Award, the Nordic Society for Aerosol Research (NOSA), 2004

Hiukkasteko 2011 award, Hiukkasfoorumi / Fine particle forum, 2011

International Aerosol Fellow Award, International Aerosol Research Assembly, 2017

8 Major stipendiary support

The Nessling Foundation Grant for scientific work 1988

The Wihuri Foundation Grant for scientific work 1992

The Wainstein Foundation Grant for scientific work 1994

The Academy of Sciences of the Czech Republic Exchange grant (total 3 weeks) 1994

The Academy of Sciences of the Czech Republic Exchange grant (total 1 week) 1995

The Austrian Academy of Science Exchange grant (total 2 weeks) 1995

The Academy of Finland Grant for scientific post doc -period abroad (total 12 months) 1995

Stockholm University Grant for a post doc -researcher (total 12 months) 1996

Magnus Ehrnrooth Foundation Grant for scientific work 2000

Suomen tietokirjailijat Grant for educational material 2001

Suomen tietokirjailijat Grant for educational material 2004

Suomen tietokirjailijat Grant for educational material 2007

Suomen tietokirjailijat Grant for educational material 2008

Suomen tietokirjailijat Grant for educational material 2009

Suomen tietokirjailijat Grant for educational material 2010

9 Editorial board membership

Report Series in Aerosol Science, 1989-1996, 1999–.

Atmospheric Chemistry and Physics, guest editor (QUEST special issue), 2004

Boreal Environment Research, guest editor, 2005

Atmospheric Chemistry and Physics, associate editor, 2007–2011

Atmospheric Research, associate editor, 2007–2011

Tellus B, editor, 2011–

10 Membership in scientific societies

European Aerosol Assembly

-President 2000–2002

The Finnish Association for Aerosol Research, 1988–

-General secretary 1989–1992

-Treasurer 1993–1994

-Board member 1993–1996, 2001–

-Vice president 1995, 2005–

-President 1997–2001 and 2007–2010

The Nordic Society for Aerosol Research, 1988–

-Board member 1997–2003

The Gesellschaft für Aerosolforschung, 1988–

The Finnish Society for Environmental Sciences, 1991–

The American Association for Aerosol Research, 1995–

-Board member 2005–2007

The Finnish Physical Society, 1997–
International Aerosol Research Assembly, 2002–
-General secretary, 2003–2006
-Vice president 2006–2010
-President 2010–2014

11 Other academic and professional activities

11.1 Membership in funding agencies

Member in The Swedish Research Council Formas, 2006–2008

11.2 Reviewer for proposals

Estonian Science Foundation, 2006
Czech Science Foundation
National Environment Research Council, UK
European Research Council Executive Agency, 2012
German Council of Science and Humanities, Research Infrastructures, ACTRIS-D. Evaluator/panel member, 2016
National Science Centre (Narodowe Centrum Nauki - NCN), Poland, 2016

11.3 Reviewer for professorship

Stockholm University, Faculty of Science, 2010
UCLA Department of Environmental Health Science, 2011
Lund University, Faculty of Engineering, 2016
Shanghai Jiao Tong University, 2017

11.4 Opponent in Doctoral Dissertations

20 April 2002, Kimmo Koistinen, University of Kuopio
8 April 2005, Joakim Pagels, Lund University
17 June 2005, Otto Hänninen, University of Kuopio
27 November 2009, Petri Tiitta, University of Kuopio
23 November 2012, Juha Heikkilä, Tampere university of technology
17 October 2012, Nayla Sabbagh, University of Vienna
7 August 2013, Jakub Bialek, National University of Ireland, Galway

11.5 Opponent in Licentiate Dissertations

Degree of Filosofie Licentiat, Marian de Reus, Stockholm University, 1998, examiner

11.6 Guided Thesis

Doctoral thesis, total 8
M. Sc. Thesis, total 12

11.7 Representative in International Associations

Finnish representative in European Aerosol Assembly, 1997–2010
 Finnish representative in International Aerosol Research Assembly, 1997–2010
 Member in Junge Award Committee (European Aerosol Assembly), 1999–2005
 Chairman of the TSI-Fissan-Pui award committee, 2006–2010

11.8 Other membership

FINE Pienhiukkasohjelma, Tekes, Johtoryhmä, 2003–2006
 Member in Palmenia, natural, bio and environmental science advisory board (Palmenian luonnon-, bio-, ja ympäristötieteiden täydennyskoulutusta edistävä neuvottelukunta), 2004–2007
 HY Henkilöstöpoliittinen ryhmä, 2007–
 Uudenmaan Nano-oske, johtoryhmä, 2007–
 Hiukkasfoorumi, johtoryhmä, 2007–
 Professoriliitto (Union of the University Professors), Hallituksen jäsen (Board member), 2007–2010, varapuheenjohtaja (Vice chair) 2011–2014, puheenjohtaja (Chair) 2015–2017
 Professoriliitto, HY:n osaston pj, 2006–2011
 CLEEN Ltd, T& K neuvoston jäsen, 2009–, T& K neuvoston varapuheenjohtaja, 2012–2013, T& K neuvoston puheenjohtaja, 2014–2015

11.9 Other positions of trust

Master of Ceremonies / Juhlamenojen ohjaaja, Ceremonial Conferment of Degrees / Promootio, University of Helsinki, 2014
 Chairman of the board, The Finnish Aerosol Research Foundation, 2012–

11.10 Patents

Patent No: FI 116774 (Suomi-Finland), 28 February 2006

11.11 Principle investigator of the following scientific projects

Urban environment (Kaupunkiympäristö), 1995 and 1996, funded by the Faculty of science, University of Helsinki
 Urban air (Kaupunki-ilma), 1996 and 1997, funded by the Nessling Foundation.
 Atmospheric aerosols and environment, 1996–1998, funded by the Academy of Finland
 Emissions from thermal insulations, 2001–2004, funded by the Academy of Finland
 LIPIKA, 2002–2005, Funded by Technological Development centre of Finland (TEKES)
 Condensation particle counter, 2003–2004, funded by Technological Development centre of Finland (TEKES)
 HIPHI, 2003–2005, funded by Technological Development centre of Finland (TEKES)
 Fine particle Exposure in public traffic, 2005–2006, Funded by The Finnish Work Environment Fund
 HALVI, 2003–2005, funded by Technological Development centre of Finland (TEKES)
 VALIDI, 2003–2005, funded by Technological Development centre of Finland (TEKES)
 LIVA, 2005–2007, funded by the Finnish Work Environment Fund

NANOHEALTH, 2006–2010, Funded by the Academy of Finland, 156 kEuro

FAQ, Fine particle portal, 2008, Funded by the Finnish Work Environment Fund

Nanoturva, 2008–2010, funded by Technological Development centre of Finland (TEKES)

Nanodevice, 2009–2011, funded by EU

Ubi-casting, 2009–2011, funded by Tekes

Determination and control of nanoparticles using measurements and indoor air model, 2013–2014, funded by the Finnish Work environment fund, 44 kEuro

The particulate and gaseous emissions of 3-d printing during different work phases, 2015–2016, funded by the Finnish Work environment fund, 47 kEuro

HEXACOMM, 2014–2017, funded by EU, 261 kEuro

Emissions from 3D-printing, gas and particle phases in different stages of the production 2015–2016, funded by the Finnish Work environment fund, 60 kEuro

11.12 Co-organizer of the following scientific conferences

Workshop on Condensation, Helsinki 7.–9.8.1991

NOSA and IV Finnish Aerosol Symposium, Helsinki 14.–15.11.1991

Meeting of researchers, The Finnish Association for Air Pollution Prevention, Tuusula, Finland, 27.–28.5.1993

V Finnish Aerosol Symposium, Helsinki 1.–3.6.1993

European Aerosol Conference, Chairman of the Local organizing committee, Helsinki, 18.–22.9.1995

International Conference on Nucleation and Atmospheric Aerosols, Helsinki, 26.–30.8.1996

VI Finnish National Aerosol Symposium, Conference Chairman, Hyytiälä 15.–16.4.1997

Globe Learning Expedition, Helsinki, 30.6.–4.7.1998

International Aerosol Conference, Edinburgh, 12.–18.9.1998

NOSA and VII Finnish National Aerosol Symposium, Conference Chairman, Helsinki 12.–13.11.1998

Seminar Celebrating the 60th Anniversary of Taisto Raunemaa, Conference Chairman, Kuopio 7.–8.12.1999

International Aerosol Conference, Taiwan, 2002

Czech-Finnish aerosol symposium, Prague, 23.–25.5.2002

European Aerosol Conference, Madrid, 2003

European Aerosol Conference, Budapest, 2004

Nanotechnology in Northern Europe, Helsinki, 2005

NOSA and X Finnish National Aerosol Symposium, Conference co-chairman, Helsinki 8.–10.11.2006

European NanOSH Conference –Nanotechnologies: A Critical Area in Occupational Safety and Health, 3–5 December 2007, Helsinki, Finland

4th International Conference on Nanotechnology – Occupational and Environmental Health, Helsinki, Finland, 2009

International Aerosol Conference 2010, Helsinki, Finland (Chairman)

SENN2012 - International Congress on Safety of Engineered Nanoparticles and Nanotechnologies, 28–31 Oct 2012, Helsinki, Finland

International Conference on Nucleation and Atmospheric Aerosols, Helsinki, 25.–30.6.2017