

Curriculum vitae of Petri Räisänen

16 June 2016

1. Full name and date of birth

- Full name: Räisänen Petri Kalevi
- Date of birth: 18 Jan 1968

2. Education and degrees awarded

- Ph.D. in meteorology. University of Helsinki, Finland, 17 Sep 1999. (Thesis title: *Studies on the effects of vertical and spectral resolution in GCM-type radiation schemes*).
- Phil. Lic. in meteorology. University of Helsinki, Finland, 31 May 1996.
- M. Sc. in meteorology. University of Helsinki, Finland, 22 Oct 1993.

3. Adjunct professorships

- Docent in meteorology, University of Helsinki, Finland, 5 Jan 2006.

4. Present employment

- Senior research scientist (“erikoistutkija”), Finnish Meteorological Institute, 1 Sep 2004 – present

5. Previous work experience

- Postdoctoral fellow, Department of Physics and Atmospheric Science, Dalhousie University, Halifax, Nova Scotia, Canada (4 Sep 2001 – 28 July 2004)
- Assistant, Department of Meteorology, University of Helsinki (1 Jan 2001 – 31 Aug 2001). I was nominated to this post for the five-year period August 1998 – July 2003.
- Researcher, Department of Meteorology, University of Helsinki, (1 Nov 1993 – 31 Dec 2000)
- Research assistant, Department of Meteorology, University of Helsinki, (1 Jan 1993 – 30 Oct 1993)

6. Most important visits abroad

- Postdoctoral position at Department of Physics and Atmospheric Science, Dalhousie University, Halifax, Nova Scotia, Canada (4 Sep 2001 – 28 July 2004)

- Visiting scientist at Department of Meteorology, University of Stockholm, Sweden (1 Oct 1993 – 31 Aug 1994)

7. Most important scientific and academic administrative positions

- Vice-chair of department board, Department of Meteorology, University of Helsinki (1998–2001)

8. Most important awards, prizes and honours

- An award (FIM 1500) for an outstanding M.Sc thesis; granted by the Faculty of Science, University of Helsinki, in December 1993

9. Most important research funding

- Research grant awarded by the Academy of Finland. Project title “Improvement of aerosol-cloud coupling in climate models through subgrid-scale stochastic parametrization of vertical velocity”, decision number 127210. 1 Jan 2009 – 31 Dec 2012; 215.000 Euros.
- Personal relocation grant (“tutkijan kotimaahan paluun tukeminen”) from the Academy of Finland. Decision number 210888. 1 Aug – 31 Dec 2004; 15.529 Euros.
- Personal grant from the Academy of Finland to support post-doctoral research at Dalhousie University, Canada, 10 Dec 2001 – 31 Dec 2012; 56.000 FIM = 9418 Euros.

10. Research leadership and supervised doctoral dissertations

- PI of the Academy of Finland project “Improvement of aerosol-cloud coupling in climate models through subgrid-scale stochastic parametrization of vertical velocity”; 1 Jan 2009 - 31 Dec 2012.
- Supervision of PhD. students: One completed (M.Sc. Juha Tonttila 3/2015), one ongoing (M.Sc. Päivi Haapanala, dissertation expected in late 2016).

11. Other academic expert positions

- Grant proposal reviewer, Atmospheric Radiation Measurement (ARM) programme, years 2007 and 2008; and Foundation for Polish Science, year 2016.
- Refereed articles for 18 journals (Agricultural and Forest Meteorology, Atmospheric Chemistry and Physics, Atmospheric Research, Boundary Layer Meteorology, Climate Dynamics, Geophysical Research Letters, Geoscientific Model Development, Journal of Aerosol Science, Journal of Applied Meteorology, Journal of Atmospheric and Solar-Terrestrial Physics, Journal of Climate, Journal of Geophysical Research, Monthly Weather Review, Quarterly Journal of the Royal Meteorological Society, Science, Tellus, The Cryosphere, and Water Resources Research)

- Invited talk on *Radiative transfer and global climate modelling*. Gordon Research Conference on Radiation and Climate, Waterville, Maine, USA, 24–29 July 2005
- Lecturer in the advanced undergraduate course “Physical meteorology”, Dept. of Physics, University of Helsinki, a total of 74 hours in spring term 2011, fall term 2012, and fall term 2014.
- Author of lecture material (50 pp.) and lecturer (8 hours) in the graduate/advanced undergraduate course “Extension course in physical meteorology”, Dept. of Meteorology, University of Helsinki, in spring term 2000.

12. Scientific and societal impact of research

- An author of 59 peer-reviewed research articles
- Total number of citations for peer-reviewed articles: 1031; h-index = 18 (Web of Science, 16 June 2016)
- Several newspaper or radio interviews on topics related to climate science