Curriculum vitae: Radovan Krejci

Date of birth: 18 June 1970, married, two children

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Academic Background

Ph.D., Chemical Meteorology, Stockholm University, Stockholm "Physico-chemical properties of atmospheric aerosols in the tropical troposphere", Supervisors: Dr. Johan Ström (ITM), Prof. H. C. Hansson (MISU/ITM)	2002-09-27
Graduate student at MISU/ITM, Chemical meteorology	1998-2002
MSc in geology and geochemistry, Charles University, Faculty of Science, Dept. of geochemistry and mineralogy, Prague, Czech Republic	1996
Studies of oil and natural gas geology, Gubkin Russian State University of Oil and Gas, Moscow	1988-1990

Employment Record

Head of the Atmospheric Science Unit, Dept. of Environmental Science, Stockholm University	From 2023
Deputy head of Atmospheric Science Unit, Dept. of Environmental Science, Stockholm University	2016 – 2022
University lector, Dept. of Physics, University of Helsinki, Finland (50 %)	2012-2013
Senior Researcher at ACES, Stockholm University	From Nov 2008
Parental Leave (Pappaledighet), 13 months (10/2004 – 3/2005 + 10/2007 – 4/2008)	
Research Scientist (Forskarassistent) at Dept. of Meteorology, Stockholm University	Jan 2004 – Nov 2008
Research assistant at ITM – Air Pollution Laboratory, Stockholm University	Apr 2002 – Dec 2003
Graduate student, MISU/ITM, Stockholm University	Feb 1998 – Mar 2002
Research technician, Czech Geological Survey, Prague, Czech Republic	1992 – 1997

Graduate students supervised

Past: Admir Targino (SU, supervised together with D. Nilsson, degree 2005), Ann-Christine Julin (SU, J. Gumbel, 2008), Kim Hultin (SU, D. Douglas Nilsson and J. Ström, 2010), Lars Ahlm (SU, D.Nilsson, 2010), Julia Zabori (SU, M. Hansson, D. Nilsson, 2012), Nelinda Gonzales Cantu (SU, B. Noziere, A. K. Borg Karlson, 2013), Riikka Väänänen (Uni. of Helsinki, T. Petäjä and M. Kulmala, 2016), Henrik Grythe (SU, J. Ström and P. Tunved, 2017), Roman Bardakov (SU, A. Ekman, 2022), Linn Karlsson (SU, P. Zieger, 2022), , Gabriel Freitas (P. Zieger, C. Mohr, 2024)

Current: Pontus von Schoenberg (FOI – Swedish Defence Research Agency, P. Tunved, 2025), , Dominic Heslin-Rees (P. Tunved, I. Riipinen, 2024), Theodore Khadir (I. Riipinen, A. Ekman, 2024), Julia Asplund (P. Zieger, S. Blichner, J. Thomas), Anouck Chassaing (I. Ripinnen, R. Bardakov, 2027), Lea Haberstock (P. Zieger, 2028), Leo Faivre (L. Heikinnen, P. Zieger, I. Riipinen, 2028)

MSc thesis students

Rabbeh Najafi (SU, 2006), Ulrika Behrenfeldt (SU, 2007), Tina Schmeissner (IfT Leipzig, Germany, 2010), Isabella Hamarström, Magnus Hagman (SU 2013), Maria Lassila, Uni. Helsinki, Finland, 2013), Maria Hammarbäck (SU, 2016), Stefan Pfaller (SU, 2023)

Organizations and committees

EUFAR (European Fleet for Airborne Research) EU FP6 I3 Consortium: Member of the management committee	2004 –2008
Nordic Centre of Excellence (NCOE), Research unit Biosphere – Aerosol – Cloud – Climate Interactions (BACCI), member of the steering committee and PI for Department of Meteorology, Stockholm University, Coordinator of the working group on Airborne Atmospheric Science	2005 - 2007
Work Package "Airborne infrastructures" leader in EU FP6 EUCAARI Integrated Project	2007 –2011
Committee on Nucleation & Atmospheric Aerosols (CNAA)	2009 – 2017
Nordic Center of Excellence "Cryosphere-atmosphere interaction in a changing Arctic climate", Work package leader "Short-Lived Climate Forcers and Crysophere"	2010 - 2014
Research school for teachers on Natural Hazards, Stockholm University – Steering committee	2011 - 2014
Leader of the Atmospheric Science-Biogeochemistry research theme at ACES, Stockholm Uni.	2014 - 2018
Ny Ålesund Atmospheric Flagship program – Leader of workgroup on atmospheric aerosols	2015 -
Ny Ålesund Atmospheric Flagship program - chair	2017 -
Ny Ålesund Science Managers Committee – Swedish representative	2016 -
Dept. of Environmental Science and Analytical Chemistry, SU - steering board	2018-2023
Svalbard Integrated Arctic Earth Observing System (SIOS) Science Optimisation Advisory Group (SOAG)	2018 -
ACTRIS-CZ, Scientific Advisory Board	2018 -
iClimate Interdisciplinary Centre for Climate Change, Aarhus Uni., Denmark, Science Advisory Board	2019 -
International Conference on Arctic Research Planning (ICARP IV) – Steering committee	2022-2025
ACTRIS – Sweden, Scientific director	2022-2026

Teaching experience

Undergraduate course (at SU unless specified otherwise): Cloud physics (ME 1170), Atmospheric chemistry (ME6010, 98 hrs, 2004 - 2007), Atmospheric chemistry (ME 2030, ME4260, 49 hrs. 2005-2006), Atmospheric thermodynamics (MO 3003, 16 hrs, 2008), Environmental chemistry (KZ4007, 260 hrs, 2010-2024), Aerosol technology – University of Helsinki (3 hrs, 2012), Air Quality Indoors and Outdoors, Stockholm University (41 hrs, 2015 – 2022), Environmental physics (18 hrs, 2016 & 2019), , Environmental protection technology MHS (21 hrs, 2019-2024), Environmental challenges (MI7014, 49 hrs, 2019-2023), Atmospheric Chemistry and Physics (MI7022, 23 hrs, 2022-2024), Field course MI8021 (2 hrs, 2022), Introduction to Atmospheric Science, Czech Uni for Life Sciences (2020-2022, 72 hrs),
Graduate (PhD) Courses (at SU unless specified otherwise): Cloud physics, Aerosols, Clouds and climate (44 hrs, 2006)
Intensive courses ("summer schools"): Main organizer and lecturer at the intensive courses for PhD students and early carrier scientists "Airborne Cloud and Aerosol Science" (2008), "Quality of Airborne Measurements" (2010), "Graduate School On Aircraft Techniques for the studies of Atmospheric chemistry" (2012), School & Training on Aircraft New Techniques for Atmospheric Composition Observation" (2017), EUFAR I3 EU FP 6 &7 (typically 8 – 12 days each). "Aerosol and cloud processes modelling" (2015, 10 days). Lecturer and supervisor at three Nordic Center of Excellence CRAICC data analysis courses (2011, 2012, 2013, typically 10 days). Lecturer at HAAR Aerosol summer school, NEO, Greece, June 2024, Lecturer at IAS Summer school, Venice, Italy, June 2024

Academic honors

King Carl XVI Gustav 50 years Foundation for science technology and environment scholarship (100 000 SEK), 2007
Invited plenary lecture, *18th International Conference on Nucleation & Atmospheric Aerosols*, 2009, Prague, Czech Republic

Expert assignments

Proposal reviewer & Expert panel member: Natural Environment Research Council (GB), National Science Foundation (USA), Environmental Protection Agency (Naturvårdsverket, SWE), Czech Science Foundation, Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education , EC Horizon 2015-2020 – MSCA IF Expert panel, EC "Clean Air Prize Award 2015" Expert panel. HORIZON-2021-Indoor air quality and health Expert panel**,** Faroe Islands Research Council, The Netherlands Organisation for Scientific Research (NWO), Executive Agency for Higher Education, Research, Development and Innovation Funding Romania, The French National Research Agency (ANR) , Swiss National Science Foundation, Cyprus Research and Innovation Foundation
Journal's reviewer: Atmospheric Chemistry and Physics, Atmospheric Environment, Aerosol Science & Technology, Atmospheric Measurement techniques, Science of the Total Environment, Tellus, Boreal Environment Research, Environmental Science – Atmosphere, ACS Environmental Science & Technology, Chimia
Editorial board: Atmospheric Chemistry and Physics (co-editor), from 2009
PhD Opponent (Examinator): Gerard Capes, Uni. of Manchester (UK) 2009, Stephanie Gagne, Uni. of Helsinki (Finland) 2011, Sandra Andersson, Lund Uni. (Sweden) 2015, Jana Kozakova, Charles Uni. (Czech Rep.) 2018
PhD Thesis reviewer: Eija Asmi, Uni. Helsinki (Finland) 2010, Anne Hirsikko, Uni. Helsinki 2011, Eleonora Aruffo, Uni. de L'Aquilla (Italy) 2013, Anna Frey, Uni. Helsinki, 2014, Laura Riuttanen, Uni. Helsinki, 2017, Konstantinos Doulgeris, Uni Helsinki, 2023

Popular Science

Interview for BBC radio about Artic climate change,Svalbard 2004; Documentary film "Earth Temperature - A Climate Odyssey", PhoenixTV, China 2010; Documentary film "Arctic with Bruce Parry", BBC, UK 2011

Research grants

Observations of Free Tropospheric atmospheric Aerosol at high altitude site in Venezuelan Andes (OFTA), Swedish Research Council (Vetenskaprådet), PI, 1 417 500 SEK	2005 – 2007
Observations of Free Tropospheric atmospheric Aerosol at high altitude site in Venezuelan Andes (OFTA), Swedish International Development Cooperation Agency (SIDA),PI, 800 000 SEK	2005 – 2006
Anthropogenic Effect on Natural Cloud Properties (AENCP), Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning (FORMAS), PI, 3 855 000 SEK	2008 – 2010
Amazonian vegetation impacts on aerosols and clouds (AVIAC), (Vetenskaprådet), PI, 3 950 000 SEK	2010 – 2012
Biosphere -Aerosols -Clouds-Hydrological cycle system in tropical rainforest environment, Swedish-Brazilian collaboration project, (STINT), PI, 780 000 SEK	2013 – 2016
Interplay between water, clouds and aerosols in the Arctic (IWCAA), (FORMAS),PI, 2 800 000 SEK	2017 – 2021
Prodiction of Air Pollutions in Latian America (PAPILA), EU H2020 MSCA-RISE, 1000 000 SEK	2018 – 2021
Arctic Climate Across spatial and temporal Scales (ACAS), Knut and Alice Wallenberg Stiftelse (KWA), co-PI, 29 900 000 SEK	2017 – 2023
ACTRIS-Sweden, Swedish Research Council (VR), co-PI, 63 000 000 SEK	2022 – 2026
Non-CO2 Forces and their climate, weather, air quality and health impacts (FOCI), Horizon-Europe, SU-PI, WP2 leader, 4 000 000 SEK	2022 – 2025
Feedbacks between a changing climate and vegetation: The role of volatile organic compounds and biogenic aerosols (CLIVE), Knut and Alice Wallenberg Stiftelse (KWA), co-PI, 31 000 000 SEK	2023 - 2027