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Male, born 23rd July 1954 in Copenhagen, Danish citizen, married, 2 children
EDUCATION
M.Sc. University of Copenhagen (Spectroscopy) 1978
Ph.D. University of Copenhagen (Atmospheric Chemistry) 1984
EMPLOYMENT HISTORY
03/78-09/78 Research Assistant and Teacher at University of Copenhagen
09/78-01/84 Ph.D. Student at Risø National Laboratory
09/79-01/82 Research Assistant at Risø National Laboratory
01/82-02/85 Research Scientist at Risø National Laboratory
02/85-02/90 Senior Scientist at Risø National Laboratory
02/90-04/95 Head of Section at Risø National Laboratory
04/95-07/96 Leader of Atm. Science at Ford Research Center Aachen (Germany)
08/96-09/99 Head of Section at Risø National Laboratory
10/99-Professor (Atm. Chem.) at Dep. Chem. University of Copenhagen
SUPERVISION
28 PhDs, 40 MSc-students and 22 BSc-students
Guest Teacher and supervisor at King Fahd University of Petroleum and Minerals
AWARDS/HONORS AND OTHER INFORMATION
Receiver of the 2007 Nobel Peace Prize as an IPCC lead author.
Receiver of the 2006 Danish Academic Union research price.
Receiver of the 1996 Henry Ford Technology Award.
Member of the Royal Danish Academy of Sciences and Letters since 2008.
Member of the Danish Natural Science Research Council, 1998-2005.
Member of the Danish National Committee for IGBP
Member of the Danish National Committee for Climate Research
Member of the Danish Academy of Technical Sciences (ATV)
Danish member of the International Executive Committee for EUROTRAC (1988-1995)
Appointed adjunct professor at Roskilde University (1997-2002)
Appointed adjunct professor at King Fahd University of Petroleum and Minerals (2020-)
Head of Copenhagen Global Change Initiative network and PhD-board (1999-2008)
Reviewer for NATO, EU, various National and International Science Foundations.
Referee for J.Phys.Chem., Int.J.Chem.Kinet., Chem.Phys.Lett., ES&T, Nature and other
Member of Editorial Advisory Board of the Int.J.Chem.Kinet. (1994-1997).
Member of the NASA expert group on CFCs, Halons and related species (1991-1993)
Board member of the Collstrup Foundation (2007-2019)
Board member of the Carlsberg Memory Stipend Foundation (2011-2018)
IPCC: Lead Author of a chapter in an IPCC Special Report (2003-2005)
255 Peer-reviewed publications, 37 conference abstracts, 15 book chapters, 27 reports, 31 popular writings, +6700 citations and an H-index of 44.
Supervised 90 students and gives approx 30 presentations per year.
RESEARCH INTERESTS
1. Climate Change
2. Atmospheric chemistry and hence environmental impact of CFC replacement compounds and of oxygenated species.
3. Fundamental kinetics and mechanisms of reactions important in atmospheric and combustion chemistry.
4. Determination of the environmental impact of anthropogenic and natural emissions – out-door as well as in-door chemistry
5. Atmospheric particulates.
6. Air pollution chemistry.