

Name: Thomas Karl

Title: Univ. Prof. DI. Dr.

Affiliation: Institute for Atmospheric and Cryospheric Sciences, University of Innsbruck, Innrain 52, 6020 Innsbruck, AUSTRIA

Personal professional webpage: <https://www.tomkarl.at>

Group page: <https://www.atm-phys-chem.at/>

Nationality: Austria

Academic education:

- 1994 Technical University of Graz, Austria, 1. Studienabschnitt: BEng in Physics.
- 1997 Technical University of Graz, Austria, 2. Studienabschnitt: MEng(DiplEng) in Physics.
- 2000 University of Innsbruck, Austria, Ph.D. in Physics, Austria.
- 2012 University of Innsbruck, Austria, Habilitation, PD (Privat Dozent) in Experimental Physics, Austria.

Professional development:

- Research assistant at the University of Innsbruck, Austria, 1999-2000.
- Joint ASP, ACD and CU/CIRES post-doctorial fellowship at the National Center for Atmospheric Research, USA, 2000 –2003.
- Scientist I (tenure track) at the National Center for Atmospheric Research, USA, 2003-2006.
- Scientist II (tenure track) at the National Center for Atmospheric Research, USA, 2006-2009.
- Scientist III (tenure) at the National Center for Atmospheric Research, USA, 2009-2012.
- Full professor in atmospheric physics, Institute for Atmospheric and Cryospheric Sciences (formerly Institute for Meteorology and Geophysics), University of Innsbruck, Austria, 2013-present

Awards and recognitions:

- NCAR advanced study program fellow, USA, 2000-2002.
- EPA 2007 Level II Scientific and Technological Achievement Award (STAA). Award #S7ER0013: Research on Arid Land Natural Oxidant and Organic Aerosol Precursor Compounds. Geron, C., A. Guenther, J. Greenberg, *T. Karl*, and R. Rasmussen, USA, 2007.
- ASCINA Science Junior PI Award, Bundesministerium fuer Wissenschaft und Forschung / Office of Science and Technology of the Austrian Embassy, (<http://www.ostina.org/scientists/ascina>, <http://www.bmwf.gv.at>), Vienna / New York, 2011.
- UCAR/NCAR outstanding publication award, USA, 2012.
- Elected chair of the Gordon Research Conference on “Biogenic hydrocarbons & the atmosphere”: USA, 2016
- Austrian Academy of Sciences - ÖAW – Commission on sustainable mobility, elected member, Austria, 2013 – 2019.

Current and Past Supervision of Students:

PhD supervision: 4; PhD Cosupervision: 4, Master supervision, 7, Master Cosupervision: 2,
Bachelor supervision: 8

Community service:

- Editor: Atmospheric Chemistry and Physics, 2008-present.
- Gordon Research Conference chair: Biogenic hydrocarbons in the atmosphere, 2016.
- Scientific Committee Member: European Geosciences Union: Division on Atmospheric Sciences (AS), Subdivision AS2: Boundary Layer Processes. 2005-2015.
- ACD Seminar Co-Organizer, June 2004 - 2006.
- NCAR BEACHON Committee Member, Fall 2006 - 2013.
- NCAR/UCAR Awards committee, 2007-2009.
- Reviewer for > 15 international scientific journals
- Reviewer for >5 international funding agencies/institutions
- Reviewer for IPCC expert workshop for SLCF, WMO, Geneva, 2018.

Publication metrics (ISI) (as of 02/2020):

Number of papers published: 142, Sum of times cited: 9071, H-Index: 48; Citations/article: 68.7

ORCID: <http://orcid.org/0000-0003-2869-9426>

ResearcherID: <http://www.researcherid.com/rid/D-1891-2009>

Research expeditions/field campaigns:

Lead- and Co-organizer of research expeditions and field campaigns (selected list):

- Co-Organizer/Co-PI: Eddy Covariance Flux Experiments in cooperation with the Environmental Institute of the Gesellschaft fuer Strahlenforschung (GSF), Austria, May 2000.
- Organizer/PI: Biosphere II Project in collaboration with the University of Colorado and Columbia University, Oracle, AZ, USA, November/December 2000.
- Organizer/PI: STREAM 2001, Mauna Loa Spring Experiment, funded by CMDL (NOAA), Hilo, Hawaii, USA, March - April 2001.
- Organizer/PI: NCAR/University of Colorado, Biogenic Flux Experiment, Niwot Ridge, Boulder, CO, USA, July 2001.
- Co-organizer/Co-PI: NCAR/University of Colorado/University of Michigan, Seasonal VOC Flux Experiment Part I, Prophet Tower, University of Michigan Biological Station, MI, USA, September/October 2001/2002.
- Co-Organizer/Co-PI: NCAR/University of Colorado/University of Michigan, Seasonal VOC flux Experiment Part II, Prophet Tower, University of Michigan Biological Station, MI, USA, May-July 2002.
- Organizer/Co-PI: NCAR/EPA, Tropical Biogenic Emissions Experiment, La Selva, Costa Rica, 2003.
- Organizer/PI, NCAR/U. of Montana/EPA, Biomass burning study at the USFS fire laboratory and the University of Montana, MT, USA, 2003.
- Co-organizer/Co-PI, University of Montana/ US Forest Service/ NCAR/University of Sao Paulo, The TROFFEE study, Brazil, 2004.
- Organizer/PI: BECHON-ROCS field campaign, Woodland Park, CO, USA, 2010.

Curriculum Vitae (short version) – Univ. Prof. DI Dr. Thomas Karl

- Mission PI: CABERNET (California airborne BVOC Emission Research in Natural Ecosystem Transects), Monterey, CA, USA, 2011.
- Co-organizer/Co-PI: PINOT NOIR (Particle Investigations at a Northern Ozarks Tower – NO_x, Ozone, Isoprene Research), Ashland, MO, USA, 2012.
- Organizer/PI: The Innsbruck Atmospheric Observatory, Innsbruck, Austria, 2015-present.