

T. Salthammer - CURRICULUM VITAE (extended)

Name:	Salthammer
First name:	Tunga
05/80	Qualification for university-entrance (Abitur)
09/80 – 07/85	Study of „Chemistry“, Technical University Braunschweig
05/86	Degree in Chemistry (Dipl. Chem.)
06/86 – 09/87	Study of „Computer Sciences“, TU Braunschweig
11/88 – 06/89	Research at the Department of Applied Physics, University of Strathclyde, Glasgow, Scotland
05/90	Dr.rer.nat. in „Physical Chemistry“, Technical University Braunschweig
08/90	Scientific Coworker (Post Doc) at the Fraunhofer Wilhelm-Klauditz-Institute (WKI) in Braunschweig
05/93	Head of Working Group „Environmental Chemistry and Analytics“ at WKI
since 93	Member of ISIAQ
07/95 - 09/21	Head of Department „Material Analysis and Indoor Chemistry“ at WKI
09/99 – 02/03	Lectureship for „Indoor Hygiene“ at the Ostfalia - University of Applied Sciences Braunschweig/Wolfenbüttel
since 01/01	Guest Researcher at Queensland University of Technology (QUT), Brisbane, Australia
since 07/02	Elected member of the International Academy of Indoor Sciences (IAIAS, now ISIAQ Academy of Fellows)
03/03 – 08/09	W2-Professor of Indoor Hygiene, Ostfalia - University of Applied Sciences Braunschweig/Wolfenbüttel
12/03 – 06/06	Member of the Board of Directors of the International Society of Indoor Air Quality and Climate (ISIAQ)
09/04 – 09/07	Sworn technical expert for indoor pollutants of the German Chamber of Commerce and Industry
01/06 – 12/07	Otto-Monstedt Professor at the Technical University of Denmark in Lyngby
since 01/06	Member of the “Indoor Air Hygiene Commission” of the German Federal Environment Agency
05/07	Visiting Professor, Tsinghua University, Beijing, China.
since 09/07	Adjunct Professor at Queensland University of Technology (QUT), Brisbane, Australia
06/08	State Doctorate (Habilitation) from the Faculty of Life Sciences at the Technical University of Braunschweig
08/08 – 06/11	Secretary of the ISIAQ Academy of Fellows
01/10 – 10/10	Acting Director of WKI
since 03/11	Deputy Director of WKI
02/12 – 01/22	Chairman of the “Indoor Air Hygiene Commission”
07/11 – 07/14	Vice-President of the ISIAQ Academy of Fellows
since 12/12	apl. Professor at the Technical University of Braunschweig
07/14 – 07/16	President of the ISIAQ Academy of Fellows

VISITS:

11/88 – 06/89	Guest Researcher Department of Applied Physics, University of Strathclyde in Glasgow, Scotland
02/00	Visiting Scientist, CSIRO, Melbourne, Australia
05/07	Visiting Professor, Tsinghua University, Beijing, China
01/06 – 12/07	Otto-Moensted Visiting Professor, International Centre for Indoor Environment and Energy, Technical University of Denmark, Lyngby
since 9/2001	International Laboratory for Air Quality and Health (ILAQH), Queensland University of Technology, Brisbane, Australia Annual 4 - 6 week stay at QUT (18 visits)
05/2017	Visiting Professor, Tsinghua University, Beijing, China
10/2019	Visiting Professor, Central South University of Forestry and Technology, Changsha, China

SCIENTIFIC JOURNALS - MEMBERSHIP TO EDITORIAL BOARDS:

- Atmospheric Environment (Member of the Editorial Board until 31.12.2019)
- CLEAN – Soil, Air, Water (Topical Editor until 31.12.2014)
- INDOOR AIR (Associate Editor until 31.12.2019)
- Building and Environment (member of the Editorial Board)
- Indoor Environments (member of the Editorial Board)

Reviewer for about 25 international journals.

NATIONAL and INTERNATIONAL COMMITTEES:

- Indoor Air Hygiene Commission of the German Federal Environment Agency.
- German Committee on Indoor Guide Values of the German Federal Environment Agency (Guest Member).
- Member of the BMU/VCI Body of Experts for population based human biomonitoring.

AWARDS and HONORS:

- "Emissions from the combustion of wood treated with organic and inorganic preservatives". The International Research Group on Wood Preservation - Ron Cockroft Award, 1994.
- "Flame retardants in the indoor environment. Part 4: classification of experimental data from house dust, indoor air and chamber tests". Best Poster Award in the Category Best Overall Poster, INDOOR AIR 2002, Monterey, CA.
- "Plastics Additives in the Indoor Environment". Fellowship Award, Dr. Michael Rosenthal Foundation, 2003.
- Fraunhofer Award of Excellence, 2007.
- Atmospheric Environment Top Reviewer in 2009
- Atmospheric Environment Certificate of Excellence in Reviewing 2012
- Best Conference Paper Award, IEEE International Conference on Nano/Micro Engineered and Molecular Systems, Suzhou, China 2013 (Authors: H.S. Wasisto, S. Merzsch, A. Stranz, A. Waag, E. Uhde, T. Salthammer, E. Peiner).
- Pettenkofer Award from the ISIAQ Academy of Fellows, 2020.

INVITED PLENARIES and KEY NOTES

Indoor Air 2024 - Measuring, Evaluating and Healthy Living	Dessau-Roßlau, 2024
Healthy Buildings Conference	Aachen, 2023
International Conference on Indoor Air Quality and Climate	Kuopio, 2022
Healthy Buildings Conference	Changsha, 2019
Workplace and Indoor Aerosols	Cassino, 2018
Workplace and Indoor Aerosols	Barcelona, 2016
European Aerosol Conference	Milano, 2015
International Conference on Indoor Air Quality and Climate	Hong Kong, 2014
2 nd International Conference on Air Pollution and Control	Antalya, 2011
Indoor Air Quality – A Healthy Indoor Environment	Berlin, 2009
Exposure and Health in a Global Environment	Pasadena, 2008
International Conference on Indoor Air Quality and Climate	Copenhagen, 2008
Indoor Air Chemical Pollution Control	Tsinghua University, Beijing, 2007
Healthy Buildings Conference	Lisbon, 2006
Indoor Chemistry and Health	Santa Cruz, CA, 2004

ORGANISATION of INTERNATIONAL CONFERENCES

Indoor Air 2024	Honolulu	Technical Chair
Indoor Air 2018	Philadelphia	Technical Chair
Indoor Air 2016	Ghent	Organizing Committee
Indoor Air 2014	Hong Kong	International Scientific Advisor
Healthy Buildings 2012	Brisbane	Chair of the Program Committee
Indoor Air 2011	Austin	International Scientific Advisor
3 rd Int. Conf. on Built Environment and Public Health	Guilin	International Scientific Advisor
Healthy Buildings 2009	Syracuse	International Scientific Advisor
Indoor Air 2008	Copenhagen	International Scientific Advisor
Healthy Buildings 2006	Lisbon	International Scientific Advisor
Indoor Air 2005	Beijing	International Scientific Advisor
Healthy Buildings 2003	Singapore	International Scientific Advisor

RESEARCH ACTIVITIES

- Removal of organic pollutants by TiO₂ photocatalysis.
- Release of ultrafine particles from printing devices.
- Human intake and uptake of ultrafine particles from electronic devices.
- Spread of aerosols and bioaerosols in the indoor environment.
- Impact of combustion sources on indoor air quality.
- Sensory evaluation of organic molecules.
- Analytical chemistry of indoor pollutants in air, in the particle phase and in settled house dust.
- Dermal exposure to indoor air pollutants.
- Indoor air quality and climate change.
- Mechanisms of formaldehyde release into room air.
- Solvent/solvent and solvent/air partition coefficients of organic molecules.
- Vapor pressure calculations of organic molecules