

Prof. Dr. Clemens Walther

Leibniz University Hannover
Institute of Radioecology and Radiation Protection
Herrenhäuser Str. 2
30419 Hannover
Germany

Date of birth: 7.1.1969

email: walther@irs.uni-hannover.de

homepage: <http://www.irs.uni-hannover.de/>



Professional career

Since 2012	Full Professor at the Leibniz Universität Hannover (Germany) and Head of the Institute of Radioecology and Radiation Protection
2008-2012	Deputy head of the Actinide Analytics department at INE
2008	Habilitation in Nuclear Chemistry, Department of Chemistry, Pharmacy und Geosciences, University of Mainz, From Hydrolysis to the Formation of Colloids - Polymerization of Tetravalent Actinide Ions
2001-2012	Group leader Development of speciation methods
1999-2008	Research associate Institute of Nuclear Waste Disposal, Forschungszentrum Karlsruhe
1994-1998	PhD Thesis (Nuclear Chemistry) Institute of Nuclear Chemistry Department of Chemistry and Pharmacy, University of Mainz Investigation of Black Body Radiation of V13 Clusters in a Penning Trap
1988-1994	Studies of Physics at University of Mainz and University of Washington, Seattle, WA, USA, within framework of DAAD scholarship

Functions in university, foundations and in associations

Since 2012	Managing Director of Siebold Sasse Foundation
2012 - 15	Head of the mass spectrometry division of the German Physical Society (DPG)
2012 - 15	Member of the extended governing board of the German Society for Mass Spectrometry (DGMS)
2014 - 18	Vice chair of the Nuclear Chemistry Section of the German Chemical Society (GdCh)
Since 2015	Member of the German Commission for Radiation Protection and chair of the Committee Radioecology (A3)
2016-22	Head of the European Network on Nuclear and Radiochemistry Education and Training
Since 2017	Head of the Steering Board of the Competence Center Radiation Research (KVSF)
2017-19	Vice Dean of the Faculty of Mathematics and Physics
Since 2019	Chair of the Nuclear Chemistry Section of the German Chemical Society
2019-21	Dean of the Faculty of Mathematics and Physics
Since 2024	President of the German Swiss Society for Radiation Protection

Research

Radioecology: Behavior of radionuclides in the environment, particularly as a result of nuclear accidents such as Chernobyl and Fukushima, but also as a result of mining

Uptake of radionuclides in plants and into the human food chain. Investigations at the molecular level. Dose and risk assessments for humans

Ultra-trace detection of radionuclides / development of ultra-sensitive mass spectrometric methods

Colloid chemistry of plutonium

Disposal of radioactive waste. Aspects of radiation protection and consideration as a socio-technical problem from an inter- and transdisciplinary perspective

Communication of radiation protection aspects to the public and transdisciplinary cooperation

Development of state-of-the-art (electronic) teaching methods in the fields of radiation protection and radiochemistry