

## CURRICULUM VITAE

### Karl-Friedrich Ziegahn

Dr.-Ing. Dipl. Phys.

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### Professional Career

2020	Appointment as 'KIT Distinguished Senior Fellow', Retired as Head of Division
2013 - 2020	Head of Division "Natural and Build Environment", Member of the Board of Directors of KIT, responsible for faculties (schools) on Civil Engineering, Geosciences, Environment Sciences and Architecture as well as for Helmholtz research programs "Renewable Energies" (RE), "Energy Efficiency" (EMR) and "Atmospheric and Climate Research" (ATMO)
2011 - 2013	Chief Science Officer (CSO, Bereichsvorstand), Karlsruhe Institute of Technology (KIT: some 9.500 staff and some 870 mio Euro budget), a merger of University Karlsruhe and Forschungszentrum Karlsruhe
2006 - 2010	Research Director for Energy and Environment Programs, Forschungszentrum Karlsruhe GmbH (National Lab, member of Helmholtz-Association)
1994 - 2006	Director General Management, Fraunhofer Institute for Chemical Technology (ICT), Deputy director Environmental Engineering department (ICT)
1998 - 2000	Co-ordinator Fraunhofer Center for Energy and Environment, Pittsburgh, Pennsylvania, USA
1989 - 1994	Department director "Materials Physics, Characterization and Testing", Member of the Institute Steering Committee ILA
1987 - 1989	Group leader "Environmental qualification", Deputy director of "Materials Physics", Assistant to the institute's CEO, Fraunhofer ICT
1980 - 1987	Research fellow, project leader environmental engineering, Fraunhofer ICT, Pfinztal

### Appointments and Honorary Duties

2020	Chairman of the 'Arbeitskreis Energie' (AKE) – energy committee of DPG
2019	Member of the Council of the University of Augsburg
2019	EIT InnoEnergy, Vice Chairman Supervisory Board
2018	Re-Elected member of the Council of the Board of German Physics Society (DPG)
2017	Deputy Chairman Environmental Research Station "Schneefernerhaus" (Zugspitze)
2017	Co-Chairman WG "Infrastructure for the energy transformation" ACATEC-ESYS
2016	European Physical Society (EPS): Advisory Board on Science Policy
2015	German Physics Society (DPG): elected member of the Council of the Board (Vorstandsrat)
2014	Coordinator Helmholtz Initiative "Urban Research"
2014	German Physics Society (DPG): elected deputy chairman of the Energy Committee
2014	Center for Disaster Management and Risk Reduction Technology (CEDIM): Chairman
2014	DIN Council on Research, Innovation, Development, chairman
2013	German HALO High Altitude and Long Range Research Aircraft – Kuratorium (Supervisory Board)
2013	German National Platform "Future Cities", steering committee, German government
2013	German Physics Society (DPG): Presidents Advisory Council on Science Communication
2013	Zugspitze Lab (Schneefernerhaus) – Konsortialrat (Supervisory Board)
2010	European Institute for Innovation and Technology (EIT): Chairman of KIC InnoEnergy SE
2009	International Management Board "Helmholtz – Alberta – Initiative" (HAI)
2009	Helmholtz Topic Speaker on Bioenergy
2009	German Physics Society (DPG): Member of the Energy Committee (AKE)
2008	Co-Coordinator of Helmholtz Alliance on Sustainable BioEconomy
2008	KIT Scientific Speaker on Renewable Energy
2006	Scientific Speaker of the Helmholtz Program "Environment, Sustainability and Technology"
2005	President "Gesellschaft für Umweltsimulation" (Association for Environmental Engineering)
2004	Lecturer on Sustainable Product Engineering, Technical University of Stuttgart, SIMT, and KIT; Lecturer on Environmental Engineering, Technical University of Nürnberg (Nuremberg)

## **Awards**

2019	Medal of the Land and Free State of Bavaria for distinguished services for the environment
2012	Appointment as Member of the Honorary Senate of the German Standardization Institute DIN
2012	Fraunhofer Airbag Award for his overall contributions to airbag technologies
2007	IPASS Award (France) for merits on the development of airbag technology
2006	Fraunhofer Airbag Award for the establishment of the world largest AIRBAG Symposium
2004	DIN Ehrennadel (Honor Pin) for outstanding contributions to standardization
2003	Fellow of the USA Institute of Environmental Sciences and Technology IEST

## **Academic Education**

1987	Dr.-Ing., Technical University Karlsruhe, School (faculty) of Mechanical Engineering; Thesis: „A contribution to monitoring and evaluation of mechanical transportation loads“ („Ein Beitrag zur Ermittlung und Beschreibung von mechanischen Transportbeanspruchungen“)
1971-1979	Course of physics, diploma, Universität Karlsruhe (TH)