Richard Dronskowski (* November 11, 1961 in Brilon)

Academic Trainir	<i>1g</i> :
1981–1986	Studies of Chemistry and Physics at the University of Münster
1987	Chemistry Diploma with Bernt Krebs and Arndt Simon:
	The Crystal Structure of Mn2O7
1989	Physics Diploma with Ole Krogh Andersen and Johannes Pollmann:
	Calculations of the Electronic Structures of Corner-Sharing M_6X_8 Clusters
1990	Dissertation (s.c.l.) with Arndt Simon at the University of Stuttgart:
	Condensed Clusters in Oxides and Arsenides of Molybdenum
1995	Habilitation and <i>venia legendi</i> at the University of Dortmund
Professional Expe	rrience:
1991–1992	Visiting Scientist at Cornell University with Roald Hoffmann
1992–1996	Senior Scientist at the Max Planck Institute for Solid State Research
	(Stuttgart) with Arndt Simon
1993–1996	Lecturer at the University of Dortmund
1997–2005	Chair of Inorganic and Analytical Chemistry at RWTH Aachen University;
	Director, Institute of Inorganic Chemistry
2004	Guest Professor (Quantum-Theoretical Materials Chemistry) at the Center of
	Interdisciplinary Research of Tōhoku University (Sendai)
since 2006	Chair of Solid-State and Quantum Chemistry at RWTH Aachen University;
	Director, Institute of Inorganic Chemistry
2013–2017	Director, ab initio Simulation Laboratory for Chemistry and Physics,
	Jülich-Aachen Research Alliance (JARA-High Performance Computing)
since 2018 2022	Distinguished Chair Professor, Hoffmann Institute of Advanced Materials,
	Shenzhen Polytechnic University, Shenzhen, China
	Guest Professor at the Institute of Multidisciplinary Research for Advanced
	Materials (IMRAM) at Tõhoku University (Sendai)
Scholarships and	Awards:
1984	German National Academic Foundation
1987–1990	Kekulé Scholarship (Chemical Industry Association)
1990	Otto Hahn Medal (Max Planck Society)
1991–1993	Liebig Scholarship (Chemical Industry Association)
1996	Prize of Angewandte Chemie
1997	Chemistry Lecturer Prize (Chemical Industry Association)
2014	Distinguished Professorship (RWTH Aachen University)
2014	M. N. Saha Memorial Lecture (Indian Assoc. Cultivation Science, Kolkata)
2015	Innovation Award (RWTH Aachen University)
2017	Egon Wiberg Lecture (Ludwigs-Maximilians-Universität München)

Fields of Research:

Quantum Chemistry (Chemical Bonding, LOBSTER code development, Steel *ab initio*, Phase-Change Materials, Modelling and Phase Prediction, *ab initio* Thermochemistry, *ab initio* ORTEP), Synthetic Solid State Chemistry (Metastable Solids, Nitrides, Carbodiimides, Guanidinates, Semiconductors, Intermetallics), Chemical Crystallography (Small Molecules), Neutron Diffraction (POWTEX instrument, Garching)

Memberships:

German Chemical Society (1990–2022), American Chemical Society (1997–2020), German Physical Society (1990–2022), European Committee for Chemical Bonding, World Association of Theoretically Oriented Chemists, German Crystallographic Society

Professional Services:

Editorial Board (*Inorganics, J. Phys.: Condens. Matter*), Elected Member of the Review Board of the *German Research Foundation* (Department "Chemical Solid State Research, Theory and Modelling", 2008–2012), Elected Member of the Committee *Research with Neutrons* (Department "Infrastructure & Instrumentation", 2011–2017), Scientific Advisory Board of the *European Spallation Source*, Lund (2017–2020)

Publishing Activities:

• > 570 publications, > 29,500 citations, *h* = 71 according to <u>Google Scholar</u>



• Director of the team behind the **LOBSTER** (Local-Orbital Basis Suite Towards Electronic Structure Reconstruction) software package for chemical-bonding analysis from plane waves: <u>www.cohp.de</u> (> 30,000 licensees worldwide)

