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# Dieter Freude

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- Personal Data**
- born at Leipzig in 1942
  - married, two sons
- Professional Career**
- 1965 – 1970 Scientific co-worker, Universität Leipzig, Dr. rer. nat. 1970
  - 1970 – 1977 Senior scientific co-worker, Universität Leipzig, Dr. sc. nat. 1974
  - 1974 – 2007 Vice Chair of the Department Interface Physics
  - 1977 – 1985 Lecturer for Experimental Physics, Universität Leipzig
  - 1985 – 1989 Extra-ordinary Professor, Universität Leipzig
  - 1989 – 2007 Ordinary Professor for Chemical Physics, Universität Leipzig
  - 2004 – 2007 Director of the NMR-Center, Universität Leipzig
  - 2007 retired from professorship and from that time on until October 2023 employed as scientific co-worker, Universität Leipzig
- Training and Research Stays Abroad**
- 1967 – 1984 Physical Chemistry at the Moscow State University, Catalysis Research at the Borskov Institute of Catalysis Novosibirsk, about 12 months
  - 1985 – 1989 Solid-state NMR, University of Cambridge, 6 months
  - 1984 – 1990 NMR studies of porous catalysts at the University Paris 6, Pierre et Marie Curie, 6 months
  - 2007 – 2008 visiting professor at Technical University of Malaysia, 3 months
- Expertise/ Activities in Research**
- Solid-State NMR techniques of half-integer quadrupole nuclei
  - MAS NMR of inorganic materials in a large temperature range
  - In situ-NMR spectroscopy of heterogeneously catalyzed reactions in porous materials
  - MAS PFG diffusometry
  - More than 220 publications in international journals, including more than 60 since retirement in 2007
  - H-factor of the publications above 47
- Awards**
- 1985 Gustav Hertz Award of the University of Leipzig for applications in the field of radio frequency spectroscopy
  - 1986 Donald W. Breck Award of the International Zeolite Association (together with Harry Pfeifer, Jörg Kärger, Martin Bülow)
- Lectures**
- Molecular Physics, Spectroscopy, both in German and English, Solid-state NMR, Energy fundamentals
- Internet**
- Operator of the domain [www.quad-nmr.de](http://www.quad-nmr.de) together with Jürgen Haase, [www.energie-grundlagen.de](http://www.energie-grundlagen.de) and [www.energy-fundamentals.org](http://www.energy-fundamentals.org) together with Randall Snurr, personal Internet site [www.dieterfreude.de](http://www.dieterfreude.de)

November 2023