

Prof. Dr. Friedrich Kremer

Institute of Experimental Physics I

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Research Expertise/Activities in Research

Broadband dielectric spectroscopy; Time-resolved FTIR-spectroscopy; Experiments with optical tweezers

Professional Career

1998 - 2008	Director of the Institute of Experimental Physics I
Since 1993	Full professor of Molecular Physics, Materials Research Spectroscopy, Universität Leipzig
1985 - 1993	Senior scientist, Max-Planck-Institute for Polymer Research, Mainz, Senior scientist
1978 - 1985	Scientific co-worker, Max-Planck-Institute for Solid State Research, Stuttgart
1977 - 1978	Scientific co-worker, University of Freiburg i. B., Biological Cybernetics
1974 - 1977	University of Freiburg i. B., Ph.D. work, Ph.D. student
1968 - 1973	Study of Physics, LMU München

Training and Research Stays Abroad

2006	Guest professor at the University of San Sebastian, Spain
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Professional Activities and Memberships

1998 - 2004	Elected reviewer of the DFG for the topic "Chemie und Physik der Polymere" (2000 – 2003)
1999 - 2003	Chairman of the section "Chemie und Physik der Polymere" (1999 – 2001) and the section "Chemische Physik/Polymerphysik" (2001 – 2003) of the German Physical Society
1997 - 2000	Representative of the head of the SFB "Moleküle in Wechselwirkung mit Grenzflächen"
1996 - 2000	Project leader in the Innovationskolleg "Phänomene an der Miniaturisierungsgrenze", Universität Leipzig
1993 - 2006	Member in the editorial board of Polymers for Advanced Technology and Macromolecular Chemistry
Since 1993	Editor of Colloid & Polymer Science

Membership in Scientific Societies and Research Awards

- German Physical Society; European Physical Society; Biophysical Society; Gesellschaft Deutscher Naturforscher & Ärzte; International Dielectric Society
- Karl Heinz Beckurts-Prize 2005 for his achievements in Broadband Dielectric Spectroscopy and its applications
- Whitehead Memorial Lectures 2009
- Wolfgang Ostwald Prize of the German Colloid Society 2011