

## Curriculum Vitae – Prof. Dr. Jürgen Janek

### Private address:

Hornackerring 6  
35392 Giessen

Tel. 0641-5818810

### Office address:

Physikalisch-Chemisches Institut  
Justus-Liebig-Universität Giessen  
Heinrich-Buff-Ring 58, 35392 Giessen  
(juergen.janek@phys.chemie.uni-giessen.de)

Tel. 0641-99-34500  
Fax 0641-99-34509



### **Education**

- 20.8.1964 born in Bückeberg (Lower Saxony, Germany)
- 1983 Abitur, Gymnasium Adolfinum (Bückeberg)
- 1989 Diploma in Chemistry, University of Hannover
- 1992 Dr. rer. nat., Physical Chemistry (Supervisor: Prof. H. Schmalzried)

### **Professional Experience**

- 1992 – 1997 Scientific Assistant (C1), Physical Chemistry, University of Hannover  
Member of SFB 173 „Local dynamics, transport and chemical reactions in ionic crystals“  
Several research visits in Oxford (DAAD/ARC grant), Seoul
- 1997 Habilitation in Physical Chemistry (venia legendi)
- 1997 - 1999 Assistant Professor (C2), Physical Chemistry, University of Hannover
- 1999 Professor (C3) for Physical Chemistry, Christian-Albrechts-Universität zu Kiel
- 1999 Professor (C4, chair) for Physical Chemistry, Justus-Liebig-University Giessen
- since 1999 Director, Institute of Physical Chemistry, Justus-Liebig-University Giessen
- 2000 Vice-Dean, Faculty of Biology, Chemistry and Geosciences
- 2001-2003 Dean, Faculty of Biology, Chemistry and Geosciences
- 2004 Invited visiting professor, School of Materials Science and Engineering, Seoul National University, Seoul, (3 months)
- 2004 Invited visiting professor, Institute of Multidisciplinary Research on Advanced Materials, Tohoku University, Sendai, Japan (3 Monate)
- 2004 Chair for Physical Chemistry/Electrochemistry at Technical University Dresden offered, declined
- 2004-2006 Vice-president, Justus-Liebig-University Giessen (research, international affairs, federal/state excellence initiative)
- 2008 Chair for Materials Science for Novel Energy Storage Systems at Karlsruhe Institute of Technology offered, declined
- 2008 Invited visiting Professor (summer term), Université Aix-Marseille, Marseille, France
- 2010 Member of WCU-Program (World Class Univ.), Seoul Nat'l. Univ., Korea
- since 2010 Member of International Research Network „Electrochemistry and Batteries“ funded by BASF SE (Ludwigshafen, Germany)
- since 2010 Member/Principal Investigator in Transregio-SFB 79 at JLU Giessen

### **Positions in Scientific Organisations**

- 2001-2009 Member of Advisory Board, Liebig-Society, Giessen
- 2002-2008 Scientific Coordinator, DFG priority program 1136 “Substitutional effects in ionic solids (e. g. oxinitrides)”
- 2004-2010 Elected member of the DFG review board, Head of the panel for „Chemistry of the solid state“ (until 2012)
- since 2004 Member of Advisory Board, Journal of Solid State Electrochemistry
- since 2004 Member of Executive Committee, Foundation Liebig Museum
- since 2006 Member of Executive Committee, Solid State Research and Materials Science Division, GDCh

- 2007-2009 Chairman of the German University Professors in Chemistry (ADUC)  
2007-2009 Member of advisory board of BV MatWerk (German Association of Societies in Materials Science and Engineering), Delegate of GDCh  
since 2009 Chairman of BV MatWerk, Head organisation of national societies for materials science and technology  
since 2011 Scientific Member of DFG Senate Committee on Collaborative Research Centres (SFB)

#### **Grants/Awards/Prizes**

- 1989-1991 Dr. rer. nat. scholarship, Fund of the Chemical Industry (FCI)  
1998 Karl-Winnacker-Award, Karl-Winnacker-Foundation, Hoechst AG  
1998 Nernst-Haber-Bodenstein-Award, Deutsche Bunsen-Gesellschaft für Physikalische Chemie  
1999 Gerhard-Hess-Award by DFG (German Research Foundation)

#### **Research areas**

Physical chemistry of solids, solid state ionics, electrochemistry, solid state reactions and transport processes, nano-ionics, plasma chemistry, ionic liquids, interface kinetics, defect thermodynamics and kinetics, energy-related materials, transport and reactions in high temperature fuel cells and batteries

#### **Teaching**

All courses in Physical Chemistry for BSc/MSc Chemistry (thermodynamics, electrochemistry, kinetics, quantum chemistry, spectroscopy)  
Courses in Physical Chemistry of Solids, Solid state reactions and kinetics, energy materials for BSc/MSc Materials Sciences  
Coordinator of HE-Lion Battery School (funded by BMBF)

#### **Publications and scientific lectures**

about 100 full (peer reviewed) papers, about 40 other papers  
about 160 invited lectures (50 abroad)  
about 100 short presentations on conferences

#### **Memberships**

DBG, GDCh, DPG, DECHEMA,  
Electrochemical Society, ISE

Gießen, January 2011