



Siegfried Bauer
Soft Matter Physics Department
Johannes Kepler University Linz
Austria

Curriculum vitae

Personal Data:

Born on May 15, 1961 in Karlsruhe, Germany

Married, two children

Citizenship: German

Current Position:

Full professor and head of the Soft Matter Physics Department at the Johannes Kepler University, Linz, Austria

Education and Professional Steps

Academic Education, Degrees

1980-1986: Undergraduate and graduate physics study at the University of Karlsruhe.

August 19, 1986: Diplom (Dipl. Phys.) in physics (equivalent to „Master“).

February 02, 1990: PhD in physics from the University of Karlsruhe.

September 17, 1996: Habilitation in Applied Physics at the University of Potsdam.

Professional

1983-1986: Research assistant at the Institute of Mathematics at the University of Karlsruhe.

1987-1990: Research and teaching assistant at the Institute of Applied Physics at the University of Karlsruhe.

1991-1992: Lecturer at the Polytechnical University (Fachhochschule) of Karlsruhe.

1992-1995: Research scientist and project supervisor at the Heinrich-Hertz Institute of Telecommunications Engineering in Berlin.

1994: Exchange scientist at the National Institute of Standards and Technology, Special Polymers Division, Gaithersburgh, USA and at the Ecole Polytechnique Montreal, Department of Engineering Physics, Canada.

1995-1997: Assistant professor at the Applied Condensed Matter Physics Department, Institute of Physics, at the University of Potsdam.

1997 – 2002: Associate University professor at the Department of Applied Physics at the Johannes-Kepler-University Linz.

Dec. 2002 - Full professor of Soft Matter Physics at the Johannes-Kepler-University Linz.

Scientific Service

Scientific symposia:

2001: MRS Fall Symposium EE on Electroactive Polymers and Their Applications

2004: Annual Meeting of the Austrian Physical Society

2008: MRS Fall Symposium BB on Polymer-Based Smart Materials

2009: Spring Symposium PP on Materials and Devices for Flexible and Stretchable Electronics

2010: MRS Spring Symposium JJ on Stretchable Electronics and Conformal Biointerfaces

2011: MRS Fall Symposium R on Compliant Electronics and Photonics

2012: MRS Fall Symposium A on Compliant Energy Sources

2013: SPIE conference on Electroactive Polymer Actuators and Devices (co-organizer)

2017: Technical Program Chair ISE 16, Leuven

Member of the Editorial/Scientific Boards of:

Advanced Materials Technologies (International Advisory Board)

Advanced Science (Executive Advisory Board Member)

Applied Physics A: Materials Science and Processing (Associate Editor)

Applied Physics Reviews (Associate Editor)

IEEE Transactions on Dielectrics and Electrical Insulation (Associate Editor)

Extreme Mechanics Letters (Editorial Board)

Proceedings A (Editorial Board)

Scientific Board Member of the Conferences: International Symposium on Electrets (ISE) and European Conference on Applications of Polar Dielectrics (ECAPD).

Member of the International Scientific Advisory Committee of the International Symposium on Electrets ISE 11 – ISE 16 and the SPIE Electroactive Polymers and Devices Conference Series.

Guest Editor of Special Issues in:

2000: Applied Physics A on “Ferroelectric Thin Films”

2011: Applied Physics A on “Soft Materials for Sensors and Photonics” (with Gerhard M. Sessler)

2012: MRS Bulletin on Materials for Stretchable Electronics (with Sigurd Wagner)

Exchange Visits and Sabbaticals

1993-1994: Exchange visitor at the „Ecole Polytechnique“ in Montreal, Canada in the „Department de Genie Physique“ and the „National Institute of Standards and Technology“, „Special Polymers Division“ in Gaithersburgh, USA.

2005: Visiting professor at the national Finnish research center VTT in Tampere.

2007: Visiting professor at the Department of Chemistry, Tokyo University of Science.

2017: Visiting professor at the Electronics Materials Research Laboratories of Xi’an Jiatong University, China

Awards

1994: Award of a literature prize by the Information Technology Society (ITG) within the German Association of Electrical Engineers (VDE).

1994: Kurt Überreiter Award of the „Berlin Society for Polymer Research“.

1997: Karl-Scheel Award of the Physical Society of Berlin.

2000: Research Award of the Oberösterreichische Sparkasse.

2007: Prize Award (prototype development competition) of the BMWF uni:invent I program for Flexible “touchpads” and touchscreens” based on cellular ferroelectrets .

2007: Special Award for Research Organizations within the “Landesinnovationspreis” of the Austrian Province Upper Austria

2009: Prize Award (prototype development competition) of the BMWF uni:invent II program for Keypad based on cellular ferroelectrets

2010: Pioneer of Smart Production Award from the Austrian Society for Environment and Technology

2010: Rudolf Trauner Award for exemplary co-operation between academia and industry

2011: Dr. Wolfgang Houska Recognition Award for exemplary co-operation with industry

2011: ERC Advanced Investigators Grant

2016: IEEE Fellow

2017: Distinguished speaker of the Southwest Mechanics Lecture Series, USA, presentations at the University of Oklahoma, Houston, Texas at Austin and Dallas.

2017: Dr. Wolfgang Houska Recognition Award for the team for exemplary co-operation with industrial partners

Former postdocs

Dr. Ren Wei, Heinrich Hertz Institute 1992-1993 (*full professor at Xi'an Jiatong University, China*)

Dr. Zhong-Yang Cheng, Heinrich Hertz Institute 1995-1996 (*full professor at Auburn University, USA*)

Dr. Francisco Camacho-Gonzalez 2005-2007 (Vectron International)

Dr. Ingrid Graz 2006 (*associate professor at the Johannes Kepler University Linz*)

Dr. Mihai Irimia-Vladu 2006-2012 (chief scientist at Joanneum Research, Weiz)

Dr. Nikita Arnold 2007-2015 (consultant for several companies, including Magna)

Dr. Robert Koeppel 2008-2009 (co-founder and chief scientist of isiQiri technologies)

Dr. Mario Dansachmüller 2008-2009 (Richard Bergner Holding GmbH RIBE)

Dr. Martin Egginger 2010-2013 (head of research and development, Hueck Folien)

Dr. Christoph Keplinger 2011 (*assistant professor at the University of Colorado, Boulder, USA*)

Dr. Petr Bartu 2013-2014 (E+E electronics)

Dr. Stefan Schausberger 2013-2016 (Evonik)

Dr. Martin Kaltenbrunner 2014-2016 (*associate professor at the Linz Institute of Technology of the Johannes Kepler University Linz*)

Dr. Rainer Kaltseis 2015-2016 (Primetals)