

# Curriculum Vitae Hans-Rainer Trebin

## Personal Data

- Prof. Dr. rer. nat. Dr. rer. habil. Hans-Rainer Trebin, born 19 May 1946.
- Ordinarius for Theoretical and Applied Physics at the University of Stuttgart, retired.
- Married with Annegret Trebin (1973), son Andreas Marian (born 1977), daughter Amelie Verena (born 1984), widowed since 2011.
- Private address: Emilienstraße 44, 70563 Stuttgart, Phone +49-711-735-7744.
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## School Education

- 1952–1956 elementary school in Regensburg.
- 1956–1965 humanistic Albertus-Magnus-Gymnasium Regensburg.
- Exchange Student at Grimsley Senior High School in Greensboro N.C., USA, 1964.
- Maturity Exam in Regensburg 1965.

## Military Service

From 1965 to 1967.

## Studies

- Begin of the studies of physics at Ludwig-Maximilians-University Munich in winter term 1967/68.
- Prediploma 1969.
- Diploma thesis "Investigation of the band structure of titanium carbide" with Prof. Dr. H. Bross in Munich, from 1971 to 1973. Diploma examination (top ranking) in March 1973.
- Start of PhD thesis with Prof. Dr. U. Rößler and Prof. Dr. U. Schröder at Regensburg University in May 1973. PhD thesis examination July 1976 (summa cum laude) of title "Polarons and exciton-phonon-interaction in degenerate valence bands".
- From April 1978 to April 1980 scientific work under a scholarship of German Research Foundation (DFG) with Prof. Dr. J.L. Birman at City College of City University New York.
- Habilitation at the University of Regensburg in December 1982 of title "The topology of non-uniform media in condensed matter physics".

## Profession

- From November 1973 to February 1983 Scientific Assistant at the University of Regensburg.
- From April 1983 to March 1985 Heisenberg Scholar in Regensburg with several research stays abroad.
- From April 1985 until September 2012 Ordinarius for Theoretical and Applied Physics and Director in Charge of the Institute for Theoretical and Applied Physics of Stuttgart University.
- Retired since 1 October 2012, but representing the Chair for Theoretical and Applied Physics from 1 October 2012 until 14 September 2014.

### **Honorary Appointments at the University of Stuttgart**

- 1990 – 1992 Dean of the Faculty of Physics, 1992-1993 Vice Dean.
- 2000 – 2002 und 2006 – 2009 Elective Senator.
- 2009 – 2012 member of the University Council.

### **Research Management**

- Since June 1989 member of the Advisory Board of the journal *physica status solidi (b)*, since March 2004 of the Editorial Board.
- 1994 –2006 board member of the Collaborative Research Center 382 "Computational Physics" of the German Research Foundation (DFG), 2004–2006 deputy spokesman.
- 1997 – 2003 coordinator of the DFG-Priority Program "Quasicrystals: Structure and Physical properties".
- 1999 coorganizer of the 7th International Conference on Quasicrystals, Stuttgart and coeditor of the Proceedings.
- 2005 – 2010 Director of the Virtual Laboratory C "Physical properties" of the European Network of Excellence "Complex Metallic Alloys".
- 2007 – 2012 Principal Investigator of the Cluster of Excellence "Simulation Technology (SimTech)" at the University of Stuttgart.
- 2013 – 2016 member of the Advisory Board of SimTech.
- 2008 – 2012 coordinator of the Collaborative Research Center 716 "Dynamic Simulation of Systems with Large Numbers of Particles" of DFG.

### **Activities in Professional Physics Associations**

- 1991 – 1994 Deputy Chairman, 1994 – 1997 Chairman of the Division Dynamics and Statistical Physics of the German Physical Society.
- 2006 – 2010 member of the Executive Board of the German Physical Society, responsible for Scientific Programs and Prizes.
- July 2013 – November 2022 Member of the Ombuds Committee of the German Physical Society.
- 1994 – 1998 member of the Board of Directors of the International Liquid Crystal Society and Chairman of the Conference Committee, 1996 – 2006 Member of the Honours and Awards Committee.

### **Awards**

- 1976 OBAG-Prize of the University of Regensburg for an excellent dissertation.
- 1968 – 1973 scholar of the Studienstiftung des deutschen Volkes.
- 1983 – 1985 Heisenberg-Scholarship.
- 2002 Research Scholarship of the Japanese Society for the Promotion of Science, funding research stays in July and August 2002 and from October to December 2004 at Kyushu University, Fukuoka, Japan.
- 2015 Guest Professor of Tohoku University, Sendai, Japan, from September to Oktober.
- In each of 2015, 2016 and 2017 for one month Guest Professor at AGH University of Science and Technology, Krakow, Poland.
- Prize of the Physics Students Representative Body for best lecture: SS 2001, WS 2001/02, WS 2002/03, WS 2007/08, SS 2008.

### Research and Teaching

- Scientific interests: Theory of liquid crystals and quasicrystals, topology of defects, computational physics.
- About 220 publications in refereed journals.
- Scientific advisor of 92 diploma theses and 44 doctoral theses in physics.



Hans-Rainer Trebin

Stuttgart, 22 April 2024