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## Curriculum Vitae

### Academic degrees:

30/04/2007	Doctor of Science (D.Sc.) (University of Warwick)
19/04/2000	Dr. rer. nat. habil. in physics (TU Chemnitz)
10/06/1994	Doctor of Philosophy (Ph.D.) in physics (University of Utah)
16/12/1991	Diplom-Physiker (Freie Universität Berlin)

### Employment:

09/2019–07/2020	Senior International Fellow-In-Residence, Institut d'études avancées (IEA), Université de Cergy-Pontoise, Project title "Machine learning phases and phase transitions" (sabbatical leave)
01/2016–present	Lotus (Fu Rong) Visiting Professor, School of Physics and Optoelectronics, Xiangtan University, Hunan province, China
10/2002–present	Professor (2010)/Associate Professor (2005)/Lecturer (2002), Department of Physics, University of Warwick
01/2005–06/2010	Director (2007)/Assoc. Dir. (2005) of the Centre for Scientific Computing
09/2001–10/2002	Leader of the Professorial Chair for Theoretical Physics III at the Institut für Physik, TU Chemnitz
01/1996–09/2002	Senior Research Associate/Research Associate with Prof. M. Schreiber at the SFB393, Institut für Physik, TU Chemnitz
09/1995–12/1995	Research Associate with Prof. D. Vollhardt at the Institut für Theoretische Physik, RWTH Aachen
08/1994–09/1995	Feodor-Lynen fellow of the Alexander von Humboldt Foundation with Prof. B.S. Shastri, Indian Institute of Science, Bangalore
01/1990–06/1994	Teaching Assistant at Duke University (1990), Freie Universität Berlin (1990–1), University of Utah (1992–4)

### Honors:

05/2011	Fellow (FInstP) of The Institute of Physics (IOP)
02/2002	Heisenberg fellow of the German science foundation
05/1994	Thomas J. Parmley research prize of the Department of Physics, University of Utah
07/1993–06/1994	Quadrille Ball Scholarship of the Germanistic Society of America

**Education:**

01/1992–07/1994	Ph.D. thesis work with Prof. Bill Sutherland at the University of Utah on an exactly solvable quantum many-body problem with competing long-range interaction, grade: A (sehr gut)
12/1990–12/1991	Diploma thesis with Prof. Robert Schrader at the Freie Universität Berlin (Germany) on ground state properties of spin-lattice models, grade: sehr gut (A)
05/1990–12/1990	Physics graduate student at the Freie Universität Berlin
08/1989–04/1990	Exchange graduate student of the Freie Universität Berlin at Duke University in Durham, North Carolina
10/1988–07/1989	Physics graduate student at the Freie Universität Berlin
10/1986–10/1988	Physics undergraduate student at the Freie Universität Berlin
06/12/1985	Abitur (high school diploma) in Büdingen, Hessen

**Research and Teaching Experience:** *for details see enclosed lists*

topics	transport properties in disordered systems, Anderson localization, metal-insulator transitions, electronic transport in DNA, quantum Hall effects, computational physics, biophysics, multifractality, random matrices, development of massively parallel algorithms, quantum many-body systems, integrable impurities
publications	190+ scientific publications; <i>h</i> -index 29–35, 15 average citations per publication; 200+ talks (mostly invited) and conference contributions; referee for PRL, Nature, PRB, EPL, EPJB, JPA, JPCM, EPSRC Peer Review College, NSF, DFG; editorial work for EPL (2010–2018), Scientific Reports (2011–present), Physica E (2017–present), Physics Open (2019–present)
advisor duties	supervision of 10 diploma/MSc, 17 doctoral students, 9 postdoctoral researchers
teaching	graduate and undergraduate lectures, seminars and lab courses, interdisciplinary courses, lecturer of the German exchange services (1997, 1999, 2001), teaching assistant (TU Chemnitz, University of Utah, Freie Universität Berlin, Duke University), supervision of high school students in special university courses
conferences	organizer of international (1998/99, 2004/05/07/09/10/11/12/-14/18/20/21) and national (2000/01/04/10/11/13/15/16/19) conferences and workshops

**Personal:**

02/08/2000	Birth of daughter Navodya Sophie
01/09/1993	Marriage to Mrs. Yoginie A. Wijesekara of Dondra (Sri Lanka)
10/1985–09/1986	Military service
22/02/1966	Born as son of Rudolf Römer, teacher, and Helga Römer in Gedern, Hessen (Germany)

Coventry, October 7, 2022