



Curriculum Vitae

Priv.-Doz. Dr. rer. nat. habil. Reinhard Mahnke

- 04.10.1952 Born in Rostock (Mecklenburg-Vorpommern, Germany)
- 01.09.1971 Graduated from advanced high school in Rostock with school leaving examination (*Reifezeugnis*)
- 1971–1976 Study of physics at Rostock University
- 26.02.1976 Defending of diploma theses entitled *On the replication processes in liquids*
- 1976–1979 Continuation of studies as PhD student under guidance of Professor W. Ebeling in the scientific field of theoretical physics
- 01.09.1979 Scientific assistant at the Physics Department at Rostock University
- 20.11.1980 Defending of PhD thesis (level A) entitled *On complexity and evolution of biological macromolecules* and getting the degree *Dr. rer. nat.*
- 1982 / 83 Additional study at Latvian State University in Riga (formerly Soviet Union, now Latvia) at Professor B. Rolov
- 19.12.1990 Defending of PhD thesis (level B) entitled *On evolution in nonlinear dynamical systems* at the faculty of Mathematics, Physics and Technical Sciences of Rostock University and getting the degree *Dr. sc. nat.*

- 15.04.1991 Habilitation via changing of degree *Dr. sc. nat.*, together with the acquired on 20.03.1991 *Facultas docendi* degree in theoretical physics, to the degree *Dr. rer. nat. habil.*
- 05.07.1993 Getting of official teaching permission called *venia legendi* in theoretical physics, appointment as Professor called *Privatdozent*
- 22.02.2002 Appointment as examiner in physics for students to become teacher (*Ersten Staatsprüfungen für Lehrämter*) in Mecklenburg-Vorpommern
- 2003-2004 Managing DAAD summer-schools in many-particle physics in Russia (Dubna 2003, Ekaterinburg 2004)
- 2006-2009 Leading of German-Russian research project entitled *Nonequilibrium Phase Transitions in Driven Systems* founded by German Science Foundation (DFG)
- 2008 / 09 Preparation of a textbook about stochastic phenomena in physics (R. Mahnke, J. Kaupužs (Riga), I. Lubashevsky (Moskau): *Physics of Stochastic Processes*, Wiley-VCH, 430 pages)

Textbooks and monographs

Priv.-Doz. Dr. habil. Reinhard Mahnke

1. H. Ulbricht, J. Schmelzer, R. Mahnke, F. Schweitzer:
Thermodynamics of Finite Systems and the Kinetics of First-Order Phase Transitions
Teubner-Texte zur Physik, Band 17, Teubner-Verlag, Leipzig, 1988 (208 pages)
2. R. Mahnke, J. Schmelzer, G. Röpke:
Nichtlineare Phänomene und Selbstorganisation
Teubner Studienbücher Physik, Teubner-Verlag, Stuttgart, 1992 (222 pages)
3. J. Schmelzer, H. Ulbricht, R. Mahnke:
Aufgabensammlung zur klassischen theoretischen Physik
Aula-Verlag, Wiesbaden, 1994 (399 pages)
4. R. Mahnke:
Nichtlineare Physik in Aufgaben
Teubner Studienbücher Physik, Teubner-Verlag, Stuttgart, 1994 (335 pages)
5. R. Mahnke, J. Schmelzer, G. Röpke:
Nelinearas paradibas un pasorganizesanas
Macibu gramata, Riga, 1995 (205 pages)
Lettische Übersetzung von
Nichtlineare Phänomene und Selbstorganisation
Teubner-Verlag, Stuttgart, 1992
6. J. Schmelzer, G. Röpke, R. Mahnke:
Aggregation Phenomena in Complex Systems
Wiley-VCH, Weinheim, 1999 (459 pages)
7. R. Mahnke, J. Kaupužs, I. Lubashevsky:
Physics of Stochastic Processes: How Randomness Acts in Time
Wiley-VCH, Weinheim, 2009 (470 pages)