

Curriculum Vitae

Name: Harald SKARKE

Personal Data: born on May 4, 1963 in Hollabrunn (Austria),
Austrian citizen

Scientific Education: Technische Universität Wien,
studies “Technical Mathematics” and “Technical Physics”,
diploma Nov. 20, 1986 (“Diplom-Ingenieur, technische Mathematik”, thesis in numerical mathematics “Anwendung der impliziten Trapezregel auf steife Differentialgleichungen”),
doctorate Dec. 15, 1989 (“Dr. Techn.”, theoretical physics, dissertation on “Renormierung von Eichtheorien in axialer Eichung und auf dem Lichtkegel”)

Habilitation: April 21, 1997 (theoretical physics, habilitation thesis “Stringtheorien in vier Dimensionen”)

Employment History: July 1988 – February 1989, February 1990 – August 1992 and February – October 1996: Vertragsassistent at the TU Vienna,
October 1992 – October 1995: Akademischer Rat at the University of Hanover,
November 1996 – October 1998: Visiting scholar (Schrödinger fellowship) at the University of Texas at Austin,
November 1998 – September 2000: TMR fellow at the Humboldt University, Berlin,
October 2000 – September 2003: Research Assistant at the Mathematical Institute of the University of Oxford,
July 2004 – February 2007: Quantitative analyst with focus on credit derivatives at Bank Austria Creditanstalt, Vienna,
March 2007 – November 2007: Head of Quantitative Analysis at Montana Capital AG, Vienna,
December 2007 – April 2008: Consultant for Montana Capital AG, Vienna
since 2008: independent, lecturer at TU Vienna,
April 2016 – July 2016: Guest lecturer at Bielefeld University,
October 2018 – March 2019: Guest professor (“Professurvertretung”) at Bielefeld University

Teaching experience: Supervision of exercise classes:

“Mathematical Methods of Theoretical Physics” (TU Vienna),
“Mechanics”, “Electrodynamics”, “Quantum mechanics” und “Statistical
Physics” (Hanover),

Supervision of various seminars,

Lectures:

“Geometrical Methods of Theoretical Physics”, (TU Vienna),

“Complex Manifolds for Physicists” (HU Berlin),

“Geometry, Topology and Physics” (TU Vienna),

“Topology, Geometry and Physics” (Bielefeld University)

“Elementary Particle Physics” (Bielefeld University)

Further activities: 1979, 1980, 1981 participation in International Mathematical Olympiads, 1981 gold medal in Washington D.C.,

CERN summer student 1985,

1997 – 2003 reviewer for the American Mathematical Society