

Curriculum Vitae

Ao. Prof. Dr. Jaroslav Fabian

Positions

2004– Karl-Franzens University Graz

Associate Professor of Physics

- (Habilitation in Theoretical Physics 2004)

2001– 2004 Karl-Franzens University Graz

Assistant Professor of Physics

2000–2001 Max-Planck Institute for Complex Systems Dresden

Distinguished Postdoctoral Fellow

- Independent research in solid-state theory

1997–2000 University of Maryland College Park, MD

Research Associate

- Position with the Department of Physics
- Research in solid-state theory in the group of Prof. S. Das Sarma

1996-1997 State University of New York Stony Brook, NY

Teaching Assistant

- Position with the Departments of Physics and Mathematics
- Teaching recitations in Calculus for non-science majors

1994-1996 State University of New York Stony Brook, NY

Research Assistant

- Position with the Departments of Physics
- Research in solid-state theory in the group of Prof. Philip Allen

1991-1993 Comenius University Bratislava

Research and Teaching Assistant (“Aspirant”)

- Position with the Departments of Theoretical Physics
- Teaching recitations in Quantum Mechanics
- Teaching recitations in Quantum Field Theory
- Research in solid-state theory in the group of Prof. Milan Noga

Research Grants

Nanoelectronics (spintronics) for Information Processing and Quantum Computing (principal investigator for University of Graz), 1.10.2004-1.10.2006, awarded by the US Office of Naval Research

Education

1993–1997 State University of New York Stony Brook, NY

PhD in Physics

- Graduate studies at the Department of Physics
- Dissertation advisor: Prof. Philip Allen
- Dissertation title: Anharmonic effects in the vibrations in glasses and C60

1985–1990 Comenius University Bratislava

Diploma in Mathematical Physics with honors

- Studies with the Department for Theoretical Physics
- Thesis advisor: Prof. Milan Noga
- Thesis title: High-temperature effects in the Hubbard model

1981–1985 Gymnazium Spisska Nova Ves, Slovakia

Matura with honors

Graduated from class with specialization on Mathematics and Physics

Awards

President of the State University of New York in Stony Brook Award for distinguished graduate students (1997)

Fulbright Fellowship (1993-1994)

Rektor of Comenius University Prize for excellence in Diploma studies (1990)

Research Interests

Solid-state theory

- Spintronics
- Transport in nanostructures
- Disordered systems