

Curriculum Vitae

Personal Information

Name: Cojuhovschi

First name: Alex

Nationality: Romanian

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Date of birth: 07.10.1979

Place of birth: Bistrita, Romania

Secondary school

1994-1998 "A. I. Cuza" College Focsani, physics-mathematics profile, with a final high school diploma

Higher education

1998-2002, Faculty of Physics, University of Bucharest

2001-2002, Erasmus exchange student, University of Hannover

2002-2005, Diploma in Physics at the University of Hannover (Master equivalent), in the research group of Prof. Maciej Lewenstein, in the field of condensed matter physics

Diploma thesis: "A Numerical Implementation of the Time-Evolving Block-Decimation Algorithm", investigating the phase diagram and ground-state properties of the 1D bosonic Hubbard model

since 05.2006, PhD Student at the Institute for Theoretical Physics, Hannover, in the research group of Prof. Eric Jeckelmann

Research Interests

- Numerical methods in physics, applications for one-dimensional systems
- Matrix Product States (MPS) approaches for 1D systems
- Dynamics and out-of-equilibrium properties of many-body quantum systems

- Transport phenomena in nanostructures
- Ultracold atomic gases
- Quantum information theory

Languages

Mother tongue: Romanian

1st foreign language: English, fluent in spoken and written

2nd foreign language: German, fluent in spoken and written

3rd foreign language: French, fluent in spoken