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Momtchil Peev studied Mathematics and Physics at the University of Sofia, Bulgaria. He graduated (1986) from at the Department of Solid State Physics, Faculty of Physics, University of Sofia. Later he went on for a PhD study in the same Department (PhD in 1993). His initial research was in the field of algebraic methods (group theory) relevant for a number of applications in solid state theory, with a focus on magnetic phase transitions. Between 1993 and 1995 he carried out PostDoc research in the framework of a “Lise Meitner” fellowship at the Vienna University of Technology (Institute of Theoretical Physics, collaboration with Prof. P.Kasperkovitz). The focus of this research was in the field of the foundations of Quantum Mechanics and in particular Semiclassical approximations and Phase-State representations. He joined the Austrian Research Centers in 1995, first as a PostDoc fellow (1995-1997) and research associate since 1997. In ARC he has been involved in a number of activities including mathematical modelling of biologic systems and management of large scale software projects. Since 2001 he joined the newly found group on Quantum technologies and ever since is responsible for Quantum Information Theory support for practical QKD, development of QKD protocols and software development of the post processing. Since 2004 he has participated in the coordination team of the SECOQC project and since 2005 has led the development of a QKD Network prototype as a key researcher of the subproject NI (Network Implementation).