

Curriculum Vitae

Personal data:

Name and surname: Serban Suciu
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Research interests: Quantum information, quantum correlations

Professional experience:

2013-2021: Research assistant, Department of Theoretical Physics , Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH), Bucharest, Romania

Education:

2013-Present day: Ph.D. in Theoretical Physics, Faculty of Physics, University of Bucharest, and Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH), Bucharest, Romania
Thesis: Classical and quantum correlations in Gaussian open systems
Scientific supervisor : Prof. dr. Aurelian Isar

2011-2013: Master's degree in theoretical physics, Faculty of Physics, University of Bucharest, Romania
Diploma thesis: Superdense coding towards two separate locations
Scientific supervisor : Lecturer dr. Iulia Ghiu

2007-2010: Science degree in physics, Faculty of Physics, University of Bucharest, Romania
Diploma thesis: Optimal universal symmetric quantum cloning
Scientific supervisor : Lecturer dr. Iulia Ghiu

Papers:

- Free Information in Gaussian Open Systems, S. Suciu, A. Isar , RJP 69, 5-6, (2024)
- Quantum communication networks with optical vortices, S. Suciu, G. Bulzan, T. Isdraila , A. Palici, S. Ataman , C. Kusko , R. Ionicioiu, PRA 108, 052612 (2023)
- Quantum coherence of two-mode systems in a thermal environment, S. Suciu, A. Isar, RJP **61**, 1474 (2016)
- Gaussian geometric discord in terms of Hellinger distance, S. Suciu, A. Isar, AIP **1694**, 020013 (2015)
- Gaussian geometric discord of two-mode systems in a thermal environment, S. Suciu, A. Isar, RJP **60**, 859 (2015)
- Imperfect many-to-many teleportation, I. Ghiu, T. Isdraila, S. Suciu, RJP **57**, 564 (2012)