

Curriculum Vitae

József Pitrik

Personal information

Born: 1976, Budapest, Hungary

Nationality: Hungarian

Address: Department of Mathematical Analysis, Budapest
University of Technology and Economics (BUTE)
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Employment

Assistant Professor at the Department of Mathematical Analysis, BUTE,
from August, 2010.

Assistant at the Department of Mathematical Analysis, BUTE, from August, 2007.

Short term visiting positions

2007: Junior Research Fellow at University 2 “Tor Vergata”, Rome;
“European research Training Network, Quantum Probability and Applications”
5 months; collaborating with Prof. Luigi Accardi

2006: Junior Research Fellow at University of Nottingham;
“European research Training Network, Quantum Probability and Applications”
4 months; collaborating with Prof. Viacheslav Belavkin

2005: Junior Research Fellow at University of Nottingham;
“European research Training Network, Quantum Probability and Applications”
4 months; collaborating with Prof. Viacheslav Belavkin

Degrees

- 2010: PhD in Mathematics, Graduate School of Mathematics and Computer Science
Budapest University of Technology and Economics (BUTE)
Supervisor: Prof. Dénes Petz
Thesis title: *Markov property in non-commutative probability*
- 1999: Msc in Physics, BUTE, Faculty of Natural Sciences
Supervisor: Prof. Dénes Petz
Thesis title: *On complementarity of observables in quantum mechanics*

Awards, grants

State scholarship for PhD students, Hungary (3 years)

Participating researcher in the Hungarian research grant OTKA TS049835.

Publications

1. A. Jencova, D. Petz, J. Pitrik: *Markov triplets on CCR algebras*; Acta Sci. Math. (Szeged) **76** (2010) 111-134.
2. D. Petz, J. Pitrik: *Gaussian Markov triplets*; Quantum Bio-Informatics III.; eds. L. Accardi, W. Freudenberg & M. Ohya
2010 World Scientific Publishing (pp. 291-303)
3. J. Pitrik: *Markov triplets on CAR algebras*; QP-PQ: Quantum Probability and White Noise Analysis_ Vol 25. ; eds: H Ouerdiane & A. Barhoumi
2010 World Scientific Publishing (pp. 71-86)
4. D. Petz, J. Pitrik: *Markov property of Gaussian states of canonical commutation relation algebras*; J. Math. Phys. **50**, 113517 (2009).
5. J. Pitrik: *Markovian quasifree states on canonical anticommutation relation algebras*; J. Math. Phys. **48**, 112110 (2007).

Preprints

6. V.P. Belavkin, J. Pitrik: *Notes on the equality in SSA of entropy on CAR algebra*;
www.arXiv.org/math-ph/0602035

Conference presentations

- Quantum Probability Workshop, 2006, Milan; *talk*
- Quantum Probability, Information and Control Symposium, 2006, Nottingham; *talk*
- Quantum Probability and Its Application, 2006, Greifswald; *talk*
- Central European Workshop on Quantum Optics, 2002; *talk*
- International Congress of Physics Students, 2000, Dublin; *talk*
- International Congress of Physics Students, 1999, Zadar; *talk*
- Conference in Applied Mathematics for Undergraduate Students, 1999, Bratislava; *talk*
- International Congress of Physics Students, 1998, Coimbra; *talk*

Teaching experience

Exercise courses and lectures in Calculus, Analysis and Functional Analysis on undergraduate and graduate level for students in Mathematics, Physics and Engineering.

Languages

Hungarian (native), English (fluent), French (basic)