Curriculum Vitae
Anna Jenčová

Personal Information

http://www.mat.savba.sk/~jencova/

Name: Anna Jenčová
Date and place of birth: 7. June 1971, Bratislava
Address: Mathematical Institute of the Slovak Academy of Sciences, Štefánikova 49, 814 73 Bratislava
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Education

1989 - 1994: Commenius University, Bratislava
1994: Mgr (MSc) in Mathematics
1994 - 1998: Mathematical institute, Slovak Academy of Sciences, PhD study, supervisor: prof. Ľubomír Kubáček
1999: PhD in Probability and Mathematical Statistics, dissertation thesis: Regression models with a low nonlinearity

Employment

2019 - ongoing: Mathematical Institute, Slovak Academy of Sciences, leading researcher
1999 -2019: Mathematical Institute, Slovak Academy of Sciences, researcher

Research Interests

Quantum information theory, relative entropies and quasi-entropies
Quantum foundations, General probabilistic theories
Quantum statistics, quantum information geometry

Publications

http://www.mat.savba.sk/~jencova/publ.html

PhD students

Martin Plávala: 2015 - 2019,
thesis: *Non-classical effects on generalized quantum channels*

Projects

2023-2026: Designing quantum higher order structures, APVV-22-0570, joint project with Institute of Physics of SAS, responsible investigator for MI SAS

2020-2023: Mathematical models of non-classical events and uncertainty, VEGA 2/0142/20, principal investigator

2016-2019: Algebraic, probabilistic and categorical aspects of modelling of quantum events and uncertainty, VEGA 2/0069/16, principal investigator

Awards

2014: Birkhoff - von Neumann prize, award of the International Quantum Structures Association (IQSA) for excellent results in the field of quantum structures

2003: Best scientific paper competition of young researchers of Slovak Academy of Sciences, 2. prize

Invited research visits

2023: Nagoya University, Japan, 2 weeks

2016: Perimeter Institute, Waterloo, Canada, 2 weeks

2005: Tufts University, Boston, 2 weeks

2004: Budapest, participant in EU Research Training Network QP Applications, 3 months

2004: RIKEN Brain Science Institute, Tokyo, 2 weeks

Shorter (1 week) visits

2019 Bilkent University, Turkey; 2018 University of Pavia; 2015 Imperial College, London; 2013 Gdansk University, Gdansk; 2012 and 2013 Max Planck Institute, Leipzig; 2008 BUTE Budapest; 2007 Tufts University, Boston

Recent invited talks

2023: *Is it possible to broadcast anything genuinely quantum?*, Quantum Information Theory and Mathematical Physics 2023, Budapest

2023: *Recoverability of quantum channels via hypothesis testing*, ILAS Minisymposium: Linear Algebra and Quantum Information Theory, 2023, Madrid

2022: *On characterizations of quantum incompatibility and steering*, Quantum Kyoto 2022 (online)

2021: *Incompatibility in GPTs, generalized spectrahedra and tensor norms*, QPL 2021, Gdansk (online)

2021: *Rényi relative entropies and noncommutative L_p-spaces*, Operator Algebras and Related Topics, 2021, Istanbul (online)

2019: *Randomization theorems for bipartite quantum channels*, BIRS Workshop: Algebraic and Statistical Ways into Quantum Resource Theories, 2019, Banff

For a full list, see

`http://www.mat.savba.sk/~jencova/talks.html`