

# Curriculum Vitae

## Anna Jenčová

### Personal information

Name: Anna Jenčová  
Date of birth: June 7, 1971  
Place of birth: Bratislava, Slovakia  
Office address: Mathematical Institute, Slovak Academy of Sciences, Štefánikova 49, 814 73 Bratislava, Slovakia  
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### Education and degrees

1999: PhD in Probability and mathematical statistics, supervisor: prof. Ľ. Kubáček (thesis: Regression models with a low nonlinearity)  
1994: MSc in mathematics, Comenius University, Bratislava, Slovakia

### Employment

1999 - present: researcher at the Mathematical Institute, Slovak Academy of Sciences

### Awards

2003: Best scientific paper competition of young researchers of Slovak Academy of Sciences, 2. prize  
2014: Birkhoff - von Neumann prize awarded by the association IQSA for excellent scientific results in the field of quantum structures

### PhD students:

Martin Plávala: 2015 -

### Extended research visits

2016: Perimeter Institute, Waterloo, Canada, host: R. Kostecki, 2 weeks  
2005: Tufts University, Boston, host: M. B. Ruskai, 2 weeks  
2004: Budapest, participant in EU Research Training Network QP Applications, host: D. Petz, 3 months  
2004: RIKEN Brain Science Institute, Tokyo, host: S. I. Amari, 2 weeks

## Invited talks

- 2016: *Quantum divergences and interpolation*, Quantum Information Theory and Mathematical Physics, Budapest
- 2015: *Comparison of noisy quantum channels*, Imperial College, London, seminar talk
- 2015: *Conditions for sufficiency of quantum channels*, Beyond I.I.D. in Information Theory, Banff, Canada
- 2014: *Quantum versions of the randomization criterion*, New Horizons in Statistical Decision Theory, Oberwolfach, Germany
- 2013: *Reversibility conditions for quantum operations*, Noncommutative Workshop, Krakow, Poland,
- 2013: *Distinguishing quantum channels by restricted testers*, Symposium KCIK, Sopot, Poland,
- 2013: *Base norms on subspaces of matrices, with applications in quantum information theory*, University of Gdansk, seminar talk
- 2012: *Reversibility conditions for quantum operations*, Max Planck Institute, Leipzig, seminar talk
- 2012: *Generalized channels and quantum networks*, Operator Structures in Quantum Information Theory, Banff, Canada
- 2012: *Basic structures of quantum information geometry* (minicourse), Noncommutative Workshop, Imperial College, London
- 2008: *Topics in quantum statistics*, Rényi Institute, Budapest, seminar talk
- 2008: *On quantum information manifolds*, Mathematical Explorations in Contemporary Statistics, Sestri Levante, Italy
- 2007: *Quantum local asymptotic normality*, 28-th Conference on Quantum Probability and Related Topics, Guanajuato, Mexico
- 2007: *Weak convergence of quantum experiments and quantum local asymptotic normality*, Operator Structures in Quantum Information Theory, Banff
- 2006: *Weak convergence of quantum experiments and quantum local asymptotic normality*, Workshop on Quantum Statistics, Erwin Schrodinger Institute, Vienna
- 2006: *Local asymptotic normality in quantum statistics*, Quantum Probability, Information and Control Symposium, University of Nottingham
- 2004: *Divergences in von Neumann algebras*, Budapest University of Technology and Economics, seminar talk
- 2004: *Affine connections and divergences in quantum information geometry*, Workshop on Quantum Information Geometry and Quantum Computing, The Fields Institute, Toronto

- 2004: RIKEN Brain Science Institute, Tokyo, Japan, seminar talk
- 2003: *On quantum information geometry*, Budapest University of Technology and Economics, seminar talk
- 2002: *Information geometry in the standard representation of matrix spaces*, Information Geometry and its Applications, Pescara, Italy