Curriculum vitae

Personal information

Name:	Júlia Réffy
Date of Birth:	January 6, 1978
Place of Birth:	Budapest
Gender:	Female
Office address:	Department of Mathematical Analysis
	Budapest University of Technology and Economics
	Egry József u. 2, H ép. 310, H-1521
Tel:	36-1-463-1111/5142
Fax:	36-1-463-3172
E-mail:	reffyj@math.bme.hu
Web site:	http://www.math.bme.hu/~reffyj

Education

2007 -	Assistant professor
	Budapest University of Technology and Economics,
	Department of Mathematical Analysis
2006	PhD in Mathematics, Budapest University of Technology and
	Economics
	Thesis: Asymptotics of random unitaries
	Supervisor: Prof. Dénes Petz
2004-2006	Assistant
	Budapest University of Technology and Economics,
	Department of Mathematical Analysis
2001–2004	PhD student
	Budapest University of Technology and Economics,
	Department of Mathematical Analysis
	Supervisor: Prof. Dénes Petz
2001	MSc in Mathematics, Eötvös Loránd University, Budapest
	Thesis: Eigenvalues of Random Matrices
	Supervisor: Prof. György Michaletzky

Research interest

Random matrix theory Noncommutative probability Large deviation theory

Conferences

- Quantum Entropies: Dynamics and Information, Trieste, 2001 School on quantum Markov chains and their applications in physics and quantum information, Trento, 2001
- 23rd Conference on Infinite Dimensional Analysis and Quantum Probability Levico Terme, 2002, title of the talk: On the trace of the powers of random unitary matrices
- School on random matrix theory with various applications, Levico Terme, 2002 as scientific secretary
- An International Conference on Quantum Probability and Infinite Dimensional Analysis, Greifswald, 2003, title of the talk: Large deviation theorem for truncated Haar distributed matrices
- Second Summer School in Potential Theory, Szeged, 2003, title of the talk: *Logarithmic energy and random matrices* (in Hungarian)
- Von Neumann Centennial Conference: Linear Operators and Foundations of Quantum Mechanics Budapest, Hungary, 15–20 October, 2003 as secretary
- INI satellite workshop ,,Random Matrices and Probability", Warwick, 2004, title of talk: Asymptotics of Haar unitaries and their truncation
- Third Summer School in Potential Theory, Kecskemét, Hungary, 2004, title of the talk: *Random matrices and Brown measure*
- Probability Theory on Groups and Related Structures, Budapest, Hungary, 2004, title of talk *Asymptotics of random unitary matrices*
- Fourth Summer School in Potential Theory, Debrecen, 2005, title of talk: Orthogonal polynomials and random matrices
- Summer school "Freie Wahrscheinlichkeitstheorie", Goettingen, Germany, 2005.
- XXXVIth International Probability Summer School, Saint-Flour, France, 2006.
- XXIIth International Petrovskii Conference, Moscow State University, Moscow, 2007, title of talk: Application of weighted potential theory for large deviation results for random matrices

- 3rd Cornell Probability Summer School, Cornell University, Ithaca NY, 2007, title of talk: Large deviations and potential theory
- Second Workshop on Fourier Analysis Extremal Problems, Budapest, 2007, as organizer
- Seventh Summer School in Potential Theory, Baja, Hungary, 2008, title of talk: Orthogonal polynomials and eigenvalues of random matrices

Papers

- Eigenvalues of Random Matrices, Dissertation, 2001
- On asymptotics of large Haar distributed unitary matrices, with Dénes Petz, Periodica Mathematica Hungarica **49** (2004), no. 1, 103–117
- Large deviation theorem for empirical eigenvalue distribution of truncated Haar unitary matrices, with Dénes Petz, Probability Theory and Related Fields, **133.** (2005) no. 2. 175-189.
- Asymptotics of large truncated Haar unitary matrices Quantum Probability and Infinite Dimensional Analysis. From Foundations to Applications vol. XVIII, eds. M. Schürmann and U. Franz, World Scientific, 2005, 448–456.
- Logarithmic energy and random matrices (in Hungarian)
- John von Neumann: the early years, the years at Los Alamos and the road to computing by Peter D. Lax, translation to Hungarian, Magyar Tudomány, 2003/12
- Means and inequalities (in Hungarian) Polygon XVI. (2005) no. 1. 61–70.
- Asymptotics of random unitaries, Phd thesis, 2005
- Construction of complex Hadamard matrices via tiling Abelian groups, with M. Matolcsi and F. Szöllősi, Open Systems and Information Dynamics, 14, (2007) 247–263.
- Linear algebra and its applications by Peter D. Lax, translation to Hungarian, Akadémia Kiadó, Budapest 2008, ISBN: 978 963 05 8632 0

Teaching experience

Undergraduate seminars on measure theory, complex analysis and functional analysis for mathematics and physics students, higher mathematics for engineer students, special courses on matrix analysis and random matrix theory

Knowledge of Languages

English: Advanced Latin: Advanced Italian: Intermediate