

## CURRICULUM VITAE

VOJKAN JAKŠIĆ

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### Experience

- Professor of Mathematics, McGill University. 2005-
- Associate Professor, Mathematics, McGill University. 2001-2005
- Visiting Associate Professor, Mathematics, Johns Hopkins University. 2000-2001
- Assistant Professor, Mathematics, University of Ottawa. 1995-2000
- Postdoctoral Fellow, IMA, University of Minnesota. 1994-1995
- Visiting Assistant Professor, Mathematics, University of Kentucky. Spring 1994
- Postdoctoral Fellow, Mathematics, University of Toronto. 1991-1994
- Ph. D. Mathematics, California Institute of Technology. 1991  
Advisor: Prof. Barry Simon.  
Thesis title: "Solutions to Some Problems in Mathematical Physics."
- B. S. Mathematics, University of Belgrade. 1987

## Publications

1. V. Jakšić, J. Segert, "On the Adiabatic Theorem, Landau-Zener Formula, and the Geometry of Isospectral Hamiltonians," in *Rigorous Results in Quantum Dynamics*, J. Dittrich, P. Exner Ed., World Scientific Publishing Co. 1991.
2. V. Jakšić, S. Molčanov, B. Simon, "Eigenvalue Asymptotics of the Neumann Laplacian of Regions and Manifolds with Cusps," *J. Funct. Anal.*, **106** (1992) (pp. 56-79).
3. V. Jakšić, "On the Spectrum of Neumann Laplacian of Long-Range Horns: A Note on the Davies-Simon Theorem," *Proc. Amer. Math. Soc.*, **119** (1993) (pp. 663-669).
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5. V. Jakšić, J. Segert, "Landau-Zener Formula for Two-Level Systems," *J. Math. Phys.*, **34** (1993) (pp. 2807-2820).
6. Y. Gordon, V. Jakšić, S. Molčanov, B. Simon, "Spectral Properties of Random Schrödinger Operators with Unbounded Potentials," *Commun. Math. Phys.*, **157** (1993) (pp. 23-50).
7. V. Jakšić, K. Jung, M. Klein, R. Seiler "Corrections to Quantized Charge Transport in Quantum Hall Systems," *Algebra i Analiz*, **6** (1994) (pp. 264-272).
8. V. Jakšić, C.-A. Pillet, "On a Model for Quantum Friction I. Fermi's Golden Rule and Dynamics at Zero Temperature," *Ann. Inst. Henri Poincaré*, **62** (1995) (pp. 47-68).
9. V. Jakšić, C.-A. Pillet, "On a Model for Quantum Friction II. Fermi's Golden Rule and Dynamics at Positive Temperature," *Commun. Math. Phys.*, **176** (1996) (pp. 619-644).
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13. V. Jakšić, C.-A. Pillet, "From Resonances to Master Equations," *Ann. Inst. Henri Poincaré A*, **67**, (1997), (pp. 425-447).
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15. V. Jakšić, S. Molchanov, "On the Spectrum of the Surface Maryland Model", *Lett. Math. Phys.*, **45**, (1998), (pp. 185-193).
16. V. Jakšić, C.-A. Pillet, "Ergodic Properties of Classical Dissipative Systems I," *Acta Mathematica*, **181**, 1998, (pp. 245-282).
17. V. Jakšić, S. Molchanov, "On the Surface Spectrum in Dimension Two," *Helv. Phys. Acta*, **71**, (1998), (pp. 629-657).
18. V. Jakšić, S. Molchanov, "Localization for One Dimensional Long-Range Random Hamiltonians," *Rev. Math. Phys.*, **11**, (1999), (pp. 103-135).
19. V. Jakšić, C.-A. Pillet, "Spectral Theory of Thermal Relaxation (towards Liouvillean spectroscopy)," *XIIIth International Congress of Mathematical Physics (ICMP '97) (Brisbane)*, 357-363.

20. V. Jakšić, S. Molchanov, "Localization of Surface Spectra," *Commun. Math. Phys.*, **208**, (1999), (pp. 153-172).
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74. T. Benoist, M. Fraas, V. Jakšić, C.-A. Pillet, "Full Statistics of Erasure Processes: Isothermal Adiabatic Theory and a Statistical Landauer Principle", *submitted*.
75. V. Jakšić, C.-A. Pillet, A. Shirikyan, "Entropic Fluctuations in Thermally Driven Harmonic Networks", *submitted*.

76. T. Benoist, V. Jaksic, Y. Pautrat, C-A. Pillet, "On Entropy Production of Repeated Quantum Measurements I. General Theory", *submitted*.