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Vlada Limic curriculum vitae

Employment

- Chargée de recherche CNRS, Université de Provence, since 2006.
- Associate Professor with tenure, Department of Mathematics, University of British Columbia, 2007-2007.
- Assistant Professor, Department of Mathematics, University of British Columbia, 2002-2007.
- H.C. Wang Assistant Professor, Department of Mathematics, Cornell University, 1999-2002.
- NSF Postdoctoral Fellow, Department of Mathematics, University of California at San Diego, 1998-99.

Education

- Ph.D. in Statistics, Department of Statistics, University of California at Berkeley, 1998.
- M.A. in Statistics, Department of Statistics, University of California at Berkeley, 1996.
- B.S. in Mathematics, Department of Mathematics, University of Zagreb, Croatia, July 1994.

Research Interests

- Probability theory and stochastic processes
- Applied probability

Papers and Preprints

All preprints are available at <http://www.cmi.univ-mrs.fr/~vlada>

- [1] (with Julien Berestycki and Nathanaël Berestycki) The Λ -coalescent speed of coming down from infinity. preprint, 2008.
- [2] (with Andreas Greven and Anita Winter) Coalescent processes arising in the study of diffusive clustering, preprint, 2007.
- [3] (with Codina Cotar) Attracting time for strongly reinforced walks. Accepted for publication in *Ann. Appl. Probab.*, 2008.

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- [4] (with Pierre Tarres) What is the difference between a square and a triangle?, preprint, *In and out of equilibrium 2*. Series: Progress in Probability, Vol. 60, 481–496, Birkhauser, 2008.
- [5] (with Pierre Tarres) Attracting edge and strongly reinforced random walks. *Ann. Probab.*, Vol. 35, No. 5, 1783–1806, 2007.
- [6] (with Anja Sturm) The spatial Lambda-coalescent. *Electr. J. Probab.*, Vol. 11, 363–393, 2006.
- [7] (with A. Greven and A. Winter) Representation theorems for spatial Moran models, interacting Fisher–Wright diffusions and applications. *Electr. J. Probab.*, Vol. 10, 1286–1358, 2005.
- [8] (with G. Lawler) Beurling projection theorem for a class of random walks. *Electr. J. Probab.*, Vol. 9, 846–861, 2004.
- [9] (with R. Pemantle) More rigorous results on the Kauffman-Levin model of evolution. *Ann. Probab.*, Vol. 32, 2149–2172, 2004.
- [10] (with R. Durrett) Rigorous results for the NK model. *Ann. Probab.*, Vol. 31, 1713–1753, 2003.
- [11] Attracting edge property for a class of reinforced random walks. *Ann. Probab.*, Vol. 31, 1615–1654, 2003.
- [12] (with R. Durrett) A surprising Poisson process arising from a species competition model. *Stochastic Process. Appl.*, Vol. 102, 301–309, 2002.
- [13] (with R. Durrett and H. Kesten) Once edge-reinforced random walk on a tree. *Probab. Theo. Rel. Fields*, Vol. 122, 567–592, 2002.
- [14] (with R. Durrett) On the quality and quantity of SNPs in human genome. *Stochastic Process. Appl.*, Vol. 93, 1–24, 2001.
- [15] A LIFO queue in heavy traffic. *Ann. Appl. Probab.*, Vol. 11, 301–332, 2001.
- [16] On the behavior of LIFO preemptive resume queues in heavy traffic. *Elec. Comm. Probab.*, Vol. 5, 13–27, 2000.
- [17] (with D.J. Aldous) The entrance boundary of the multiplicative coalescent. *Elec. J. Probab.*, Vol. 3, 1998.

Awards

- Alfred P. Sloan Research Fellowship, 2005.
- NSERC Discovery Grant, since 2003.
- NSF DMS award, 2001-2003.
- NSF Postdoctoral Fellowship, 1998-2001.

- Outstanding Graduate Student Instructor Award, 1998.
- Michel and Line Loève Fellowship, 1997-98.
- University Fellowship, UC Berkeley, 1997.
- Rafael Rodriguez Golden Age Student Scholarship, 1994-95.

Selected Invited Lectures

- TIFR Workshop on Reinforced Random Walks and Random walk in Random Environments: mini-course on *Strongly reinforced walks*, Bangalore, India, Dec 2008.
- Fall School of the IHP semester on Random media, phase transition, and information theory: *The Lambda-coalescent speed of coming down from infinity*, Paris, Sep 2008.
- Inhomogenous Random Systems workshop at IHP: *Coalescent with Rebirth*, Jan 2008.
- LMS Research Symposium in Probability: *Waiting for the attracting edge to appear*, Durham, UK, July 2007.
- A conference celebrating the Doctorat Honoris Causa Harry Kesten: *Waiting for the attracting edge to appear*, Paris, June 2007.
- Workshop on Coalescence and Fragmentation models: *The coalescent with rebirth*, Oberwolfach, September, 2007.
- Workshop on Non-classical Interacting Random Walks, Oberwolfach, May 2007.
- Cornell Summer School in probability: *A view of the NK model*, Ithaca, NY, June-July 2006.
- EURANDOM workshop on Self-Interacting Random Walks, Eindhoven, NL, July 2006.
- Workshop on Stochastic Analysis and Non-Classical Random Processes, Oberwolfach, May, 2005.
- BIRS meeting on Stochastic Processes in Evolutionary and Disease Genetics: *Rigorous (and other) results for NK model*, Banff, August 2004.
- First joint Canada-France meeting of the Mathematical Sciences: *Attracting edge in some strongly reinforced walks*, Toulouse, July 2004.
- IMS meeting/6th Bernoulli Society congress, Probability on graphs section: *Attracting edge property for reinforced random walks*, Barcelona, July 2004.
- Workshop on Branching Processes: *Spatial Moran models and coalescence processes*, Oberwolfach, July 2003.
- Seminar on Stochastic Processes: *Rigorous results for the NK model*, Princeton, March 2002.
- INFORMS conference: *A dynamic threshold routing system in heavy traffic*, San Antonio, November 2000.
- Probability and Its Applications year at the Fields Institute: *Eternal versions of the multiplicative coalescent*, Toronto, March 1999.

Teaching experience

List of courses I taught or anticipate teaching in the near future:

- UC Berkeley: STAT 134 Probability, Summer 1997.
- UC San Diego: MATH 20C Calculus, Winter 1998.
- Cornell University:
MATH 221 Linear Algebra, Fall 1999, Fall 2001,
MATH 471 Probability, Fall 2000,
MATH 778 Topics in Probability (graduate course on Percolation), Spring 2002.
- University of British Columbia:
MATH 200 Multivariable Calculus, Fall 2003,
MATH 318 Probability with Physical Applications, Spring 2003,
MATH 418 Probability, Fall 2002, Fall 2004,
MATH 419 Stochastic Processes, Spring 2003, Spring 2005,
MATH 608E Topics in Probability (graduate course on Random walks), Spring 2005.
- Université de Provence:
supervision d'un TER master de M1, *Les processus de Galton-Watson*, 2007.
supervision d'un TER master de M1, *La fussion aléatoire d'OK Corral*, 2008.