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Born: *November 1979, Calcutta, India.*  
Nationality: *Indian*

Current position

Since September 2009 Associate Professor of Mathematics, Courant Institute of Mathematical Sciences, NYU. (On leave from Berkeley.)  
Since July 2009 Associate Professor of Statistics and Mathematics, UC Berkeley.  
July 2006 – June 2009 Assistant Professor of Statistics, UC Berkeley.

Visiting positions

May 2008 Visiting Professor of Mathematics at Université de Toulouse, France.  
July 2005 – June 2006 Visiting Neyman Assistant Professor of Statistics, UC Berkeley.

Education

June 2005 Ph.D. in Statistics, Stanford University. Adviser: Persi Diaconis.  
May 2002 Master of Statistics, Indian Statistical Institute, Kolkata, with specialization in Mathematical Statistics and Probability.  
May 2000 Bachelor of Statistics, Indian Statistical Institute, Kolkata.

Associate editorship

1. *Annals of Probability*, since January 2009.
2. *Annales de l'Institut Henri Poincaré (B) Probabilités et Statistiques*, since January 2008.

Recent awards

1. 2008 Tweedie New Researcher Award, from the Institute of Mathematical Statistics.
2. Sloan Research Fellowship in Mathematics, 2007-2009.
3. NSF grant DMS-0707054, for the years 2007-2010.

Notable conference invitations

1. Plenary talk at Stochastic Processes and Applications (SPA 2009), July 2009.
2. Plenary talk at Seminar on Stochastic Processes (SSP 2009), March 2009.

3. Invited attendance at the Eleventh Annual NAS Chinese-American Kavli Frontiers of Science, Irvine, October 2008.
4. Invited talk at AMS National Meeting, San Diego, January 2008.

Publications (Links available on homepage and arXiv.)

1. Central Limit Theorems for the Energy Density in the Sherrington-Kirkpatrick Model. (with Nicholas Crawford) To appear in *J. Statist. Phys.*
2. A new approach to strong embeddings. To appear in *Probab. Theory Related Fields*.
3. A phase transition behavior for Brownian motions interacting through their ranks. (with Soumik Pal) To appear in *Probab. Theory Related Fields*.
4. Spin glasses and Stein's method. To appear in *Probab. Theory Related Fields*.
5. Gravitational allocation to Poisson points. (with Ron Peled, Yuval Peres, and Dan Romik) To appear in *Ann. Math.*
6. An observation about submatrices. (with Michel Ledoux) *Elec. Comm. Probab.*, **14**, 495–500, 2009.
7. Consistent estimates of deformed Gaussian random fields on the plane. (with Ethan Anderes) *Ann. Statist.*, **37** no. 5A, 2324–2350, 2009.
8. Fluctuations of eigenvalues and second order Poincaré inequalities. *Probab. Theory Related Fields*, **143**, 1–40, 2009.
9. Multivariate normal approximation using exchangeable pairs. (with Elizabeth Meckes) *ALEA*, **4**, 257–283, 2008.
10. A new method of normal approximation. *Ann. Probab.* **36**, no. 4, 1584–1610, 2008.
11. Estimation in spin glasses: A first step. *Ann. Statist.* **35**, no. 5, 1931–1946, 2007.
12. Concentration of Haar measures, with an application to random matrices. *J. Funct. Anal.*, **245**, 379–389, 2007.
13. Stein's method for concentration inequalities. *Probab. Theory Related Fields*, **138**, 305–321, 2007.
14. A generalization of the Lindeberg principle. *Ann. Probab.*, **34**, no. 6, 2061–2076, 2006.
15. Concentration inequalities with exchangeable pairs. *Ph.D. thesis, Stanford University*, 2005.
16. Exchangeable pairs and Poisson approximation. (with Persi Diaconis and Elizabeth Meckes) *Probab. Surv.*, **2**, 64–106, 2005.
17. A new method for bounding rates of convergence of empirical spectral distributions. (with Arup Bose) *J. Theoret. Probab.*, **17**, no. 4, 1003–1019, 2004.
18. Limiting spectral distributions of large dimensional random matrices. (with Arup Bose and Sreela Gangyopadhyay) *J. Indian Statist. Assoc.*, **41**, no. 2, 221–259, 2003.