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Formación académica

- 2001 Ph.D. in Mathematics, Courant Institute of Mathematical Sciences, New York University. New York, U.S. Director: Prof. S.R.S. Varadhan.
- 1993 Licenciatura en Matemática, Universidad de Buenos Aires, Buenos Aires, Argentina. Director: Prof. J. Heintz.

Areas de interés científico

Sistemas de partículas interactuantes – Límites hidrodinámicos – Teoría de procesos estocásticos, en particular procesos de coagulación y fragmentación.

Experiencia laboral

- desde 2003 Research Associate, Statistical Laboratory, Centre for Mathematical Sciences, University of Cambridge, Cambridge, U.K.
- 2002-2003 Post-Doctoral Fellow, Department of Mathematics, University of Connecticut, Connecticut, U.S.
- 2001-2002 Research Associate, Instituto de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brasil.

Experiencia docente

- 2005 Lecturer *Stochastic Calculus and Applications*. Department of Pure Mathematics and Mathematical Sciences, University of Cambridge, Cambridge, U.K.
- 2002-2003 Lecturer, Department of Mathematics, University of Connecticut, Connecticut, U.S.

- 1996-2001 Teaching Assistant, University of New York, New York, U.S.
1993-1995 Ayudante de primera, Departamento de Matemática, Universidad de Buenos Aires.
1990-1993 Ayudante de segunda, Departamento de Matemática, Universidad de Buenos Aires.

Premios y distinciones

- 1999 Sandra Bleinstein Prize, Courant Institute of Mathematical Sciences, New York University.
1996-2001 Teaching Assistantship, New York University.
1993-1995 Beca de Investigación para Graduados, Universidad de Buenos Aires, Argentina.
1991-1993 Beca de Investigación para Estudiantes, Universidad de Buenos Aires, Argentina.
1993 Beca de verano, Instituto de Matemática Pura e Aplicada (IMPA), Rio de Janeiro, Brasil.

Publicaciones

- Armendáriz, I. and Solernó P. On the computation of the radical of polynomial complete intersection ideals. *AAECC-11, Springer Lect. Notes comput. Sci 948*. (1993) 106-119
Armendáriz, I. Dual fragmentation and multiplicative coagulation; related excursion processes. *Aceptado para publicación, The Annals of Probability* (2006)
Armendáriz, I. Brownian coagulation and a version of Smoluchowski's equation on the circle. *En revisión, The Annals of Applied Probability* (2006)

Artículos en preparación

- Armendáriz I. and Norris J. A coagulation estimate for inertial particles.
Armendáriz I. Stochastic coalescence and solutions to Smoluchowski's coagulation equations with multiplicative kernel.
Armendáriz I. and Loulakis M. Equilibrium fluctuations for the Zero Range Process in the presence of condensation.

Presentaciones en conferencias, charlas invitadas

- 2006 Analysis seminar, Department of Applied Mathematics, University of Crete, Heraklion, Crete, Greece.

- 2005 Conference: Topics on Stochastic Processes, University of Wales, Swansea. U.K.
- 2003 Probability seminar, Statistical Laboratory, Centre for Mathematical Sciences, University of Cambridge, Cambridge, U.K.
- 2003 Analysis seminar, Department of Mathematics, University of Connecticut, Connecticut, U.S.
- 2002 Probability seminar, Instituto de Matematica Pura e Aplicada (IMPA), Rio de Janeiro, Brasil.
- 2001 Probability seminar, Courant Institute of Mathematical Sciences, New York University, New York, U.S.
- 2001 Trimester in Hydrodynamic Limits, Institut Henri Poincaré, Paris, France.
- 2001 27th Conference in Stochastic Processes and their Applications, University of Cambridge, Cambridge, U.K.

Membrecías profesionales

Institute of Mathematical Statistics (IMS)