

MARTA SANZ-SOLÉ
Abridged recent curriculum vitae

Personal Data

Present position Professor, Universitat de Barcelona (since 1986)
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Degrees

1978 Ph.D. in Mathematics, Universitat de Barcelona
1974 Graduated in Mathematics, Universitat de Barcelona

Visiting Positions (more than one month)

2006 CRM Ennio de Giorgi, Scuola Normale Superiore, Pisa, Italy
2004 Université Paris I, France
2003 Ecole Polytechnique Fédérale, Lausanne, Switzerland
2001 Università degli Studi di Padova

Research Interests

Random fields, Malliavin calculus, stochastic differential and partial differential equations.

Selected publications

R.C. Dalang and Marta Sanz-Solé (2005). Regularity of the sample paths of a class of second order spde's. *J. of Functional Analysis*, 227, 2, 304-337.

Marta Sanz-Solé (2005). Malliavin calculus with applications to stochastic partial differential equations. EPFL Press. Fundamental Sciences, Mathematics. CRC Press. Francis & Taylor Group.

Ll. Quer-Sardanyons and M. Sanz-Solé (2004). Absolute continuity of the law of the solution to the three-dimensional stochastic wave equation. *J. of Functional Analysis*, 206, 1-32.

M. Sanz-Solé and P. Vuillermot (2003). Equivalence and Hlder-Sobolev regularity of solutions for a class of non autonomous stochastic partial differential equations. *Annales de l'Institut Henri Poincaré (B) Probability and Statistics*, 39, 4, 557-742.

A. Kohatsu-Higa, D. Márquez-Carreras and M. Sanz-Solé (2002). Logarithmic Estimates for the Density of Hypoelliptic Two-Parameter Diffusions. *J. of Functional Analysis*, 190, 481-506

A. Kohatsu-Higa, D. Márquez-Carreras and M. Sanz-Solé (2000). Asymptotic behavior of the density in a parabolic SPDE. *J. of Theoretical Probability*, 14, 427-462.

M. Ferrante C. Rovira and M. Sanz-Solé (2000). Stochastic delay equations with hereditary drift: estimates of the density. *J. of Functional Analysis*, 177, 136-177.

A. Millet and M. Sanz-Solé (1999). A stochastic wave equation in two space dimension: Smoothness of the law. *Annals of Probability*, 27, 803-844.

A list of selected plenary talks

ICIAM 2006, Santiago, Chile, 2006

Abel Symposium 2005: Stochastic Analysis and Applications: A Symposium in honor of Kiyosi Itô. Oslo, Norway, 2005

7th International meeting on SPDEs and Applications, Levico Terme, Italy, 2004

The Arctic Workshop on Stochastic Analysis, Tromsø, Norway, 2003

Stochastic Evolution equations and Applications, Oberwolfach, Germany, 2001

Organization of large scientific events

International Congress of Mathematicians, ICM 2006, Madrid 22-30 August, 2006. Member of the Executive Committee. Chair of the Local Program Committee.

6th World congress of the Bernoulli Society for Mathematical Statistics and Probability and 67th Annual Meeting of the Institute of Mathematical Statistics Barcelona, July 26-31, 2004. Member of the Organizing Committee.

3th European Congress of Mathematics, Barcelona, July 10-14, 2004. Member of the Executive Committee, secretary of organisation.

Award

1998 *Narcis Monturiol* Medal. Highest distinction of the Catalonia Autonomous Government for scientific and technological merits.

Appointments

Elected member of the Executive Committee of the European Mathematical Society 1997-2004.

Member of the Scientific Council of the Banach Center 1998-2005.

Statement

In case of being elected by the General Assembly, I commit myself to participate actively in the projects of the *Committee on Development and Exchanges* of IMU, and put my efforts to contribute in the development of its objectives.