

Mirko D'Ovidio

Current Position

Researcher (Mathematical Statistics and Probability , MAT/06)
Department of Basic and Applied Sciences for Engineering
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Personal data

Date of Birth : September 30, 1976
Place of Birth : Rome, Italy
Citizenship : Italian
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Fields of Interest

- *Fractional and anomalous diffusions*: diffusions on manifolds, partial differential equations of fractional and higher order (fractional calculus, fractional powers of operators), time change and boundary value problems.
- *Diffusions on irregular domains*: diffusions on fractal domains, irregular boundaries, transmission conditions, trace processes and time changes.
- *Random fields on manifolds*: applications to cosmological data (Cosmic Microwave Background radiation, Harmonic analysis, Clebsch - Gordan coefficients), coordinates changes of random fields.

Teaching (Italian lectures)

B.S., Probabilità e Statistica (Ing. per l'Ambiente e il Territorio), 6 CFU
B.S., Calcolo delle Probabilità (Ing. Gestionale), 6 CFU

Member of the Editorial Board of

International Journal of Statistics and Probability

Member of the PhD Board in

Mathematical Models for Engineering, Electromagnetism and Nanoscience, Sapienza University of Rome

Referee for

International projects.

International Journals: Stochastics, International Journal of Stochastic Analysis, Statistical Methods and Applications, Journal of Multivariate Analysis, Sankhya A - The Indian Journal of Statistics, Physica A, Differential and Integral Equations, Probability Theory and Related Fields, Fractional Calculus and Applied Analysis.

Reviewer for

MathSciNet

Languages

Italian : Mother Tongue

English : Intermediate proficiency

French : Intermediate proficiency

Computer Skills

Operating systems : Linux/Unix, Windows

Programming Languages : C, C++, Java, JavaScript, Php, Sql

Scientific Languages : Matlab, Octave, R

Markup Languages : Html, Latex

Last updated: February 19, 2016