

Dal 1990 sono professore straordinario e dal 1993 ordinario di Calcolo delle Probabilità e Statistica Matematica presso l'Università di Bologna. La mia attività di ricerca riguarda soprattutto i campi aleatori, la percolazione e i processi stocastici. Sono stato coordinatore nazionale del progetto Prin 2006 " Percolazione, campi aleatori, evoluzione di sistemi stocastici interagenti" e del progetto Prin 2009 "Campi aleatori, percolazione ed evoluzione stocastica di sistemi con molte componenti". Dal 2017 al 2021 sono stato membro del comitato scientifico del GNAMPA. Queste sono alcune delle mie pubblicazioni:

Campanino, M., Gianfelice, M. (2020). Uniform Bound of the Entanglement for the Ground State of the Quantum Ising Model with Large Transverse Magnetic Field. JOURNAL OF STATISTICAL PHYSICS, vol. 178, p. 1248-1267, ISSN: 0022-4715, doi: 10.1007/s10955-020-02501-7

BOSI, GIANLUCA, Campanino, Massimo (2019). Random Walk on a Randomly Oriented Honeycomb Lattice. MARKOV PROCESSES AND RELATED FIELDS, vol. 25, p. 75-99, ISSN: 1024-2953

Francesca, Biagini, CAMPANINO, MASSIMO (2016). Elements of Probability and Statistics: An Introduction to Probability with de Finetti's Approach and to Bayesian Statistics. p. 1-246, BERLIN, HEIDELBERG:Springer, ISBN: 978-3-319-07253-1, doi: 10.1007/978-3-319-07254-8

CAMPANINO, MASSIMO, GIANFELICE, MICHELE (2015). On the Ornstein-Zernike Behaviour for the Supercritical Random-Cluster Model on Z^d , $d \geq 3$. JOURNAL OF STATISTICAL PHYSICS, vol. 159, p. 1456-1476, ISSN: 0022-4715, doi: 10.1007/s10955-015-1222-0

CAMPANINO, MASSIMO, Dimitri Petritis (2014). TYPE TRANSITION OF SIMPLE RANDOM WALKS ON RANDOMLY DIRECTED REGULAR LATTICES. JOURNAL OF APPLIED PROBABILITY, vol. 51, p. 1065-1080, ISSN: 0021-9002

M. Campanino, M. Gianfelice (2011). On the Ornstein-Zernike Behaviour for the Bernoulli Bond Percolation on \mathbb{Z}^d , $d \geq 3$, in the Supercritical Regime. JOURNAL OF STATISTICAL PHYSICS, vol. 145, p. 1407-1422, ISSN: 0022-4715, doi: 10.1007/s10955-011-0330-8

CAMPANINO, MASSIMO, D. Ioffe, O. Louidor (2010). Finite Connections for Supercritical Bernoulli Bond Percolation in 2D. MARKOV PROCESSES AND RELATED FIELDS, vol. 16, p. 225-266, ISSN: 1024-2953

CAMPANINO, MASSIMO, M. Gianfelice (2009). A local limit theorem for triple connections in subcritical Bernoulli percolation. PROBABILITY THEORY AND RELATED FIELDS, vol. 143, p. 353-378, ISSN: 0178-8051, doi: 10.1007/s00440-007-0129-3

M. Campanino, D. Ioffe, Y. Velenik (2008). Fluctuation theory of connectivities for subcritical random cluster models. ANNALS OF PROBABILITY, vol. 36, p. 1287-1321, ISSN: 0091-1798, doi: 10.1214/07-AOP359

CAMPANINO, MASSIMO, D. Ioffe, Y. Velenik (2004). Random Path Representation and Sharp Correlation Asymptotics at High-Temperatures. ADVANCED STUDIES IN PURE MATHEMATICS, vol. 39, p. 29-52, ISSN: 0920-1971

CAMPANINO M, IOFFE D., VELENIK Y. (2003). Ornstein-Zernike theory for finite range Ising models above T_c . THEORY OF PROBABILITY AND ITS APPLICATIONS, vol. 125, p. 305-349, ISSN: 0040-585X

CAMPANINO M, IOFFE D. (2002). Ornstein-Zernike Theory for the Bernoulli Bond Percolation on Z^d . ANNALS OF PROBABILITY, vol. 30, p. 652-682, ISSN: 0091-1798

CAMPANINO M (1999). A lower bound for the covariance of positive events. FORUM MATHEMATICUM, vol. 11, p. 203-209, ISSN: 0933-7741

- CAMPANINO M, ISOLA S. (1995). Statistical properties of long laminar periods in type I intermittency. FORUM MATHEMATICUM, vol. 7, p. 331-348, ISSN: 0933-7741
- CAMPANINO M, J. T. CHAYES, L. CHAYES (1991). Gaussian fluctuations of connectivities in the subcritical regime of percolation. PROBABILITY THEORY AND RELATED FIELDS, vol. 88, p. 269-341, ISSN: 0178-8051
- CAMPANINO M, KLEIN A., PEREZ J. F. (1991). Localization in the ground state of an Ising model with a random transverse field. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 135, p. 499-516, ISSN: 0010-3616
- CAMPANINO M, KLEIN A. (1990). Anomalies in the one-dimensional Anderson model at weak disorder. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 130, p. 441-456, ISSN: 0010-3616
- BOVIER A., CAMPANINO M, KLEIN A., PEREZ J. F. (1988). Smoothness of the density of states in the Anderson model at high disorder. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 114, p. 439-462, ISSN: 0010-3616
- CAMPANINO M, KLEIN A. (1986). A supersymmetric transfer matrix and differentiability of the density of states in the one-dimensional Anderson model. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 104, p. 227-241, ISSN: 0010-3616
- CAMPANINO M, CALDERONI P., CAPOCACCIA D. (1985). A local limit theorem for a sequence of interval transformations'. ERGODIC THEORY & DYNAMICAL SYSTEMS, vol. 5, p. 185-201, ISSN: 0143-3857
- CAMPANINO M, RUSSO L. (1985). An upper bound on the critical percolation probability for the three-dimensional cubic lattice. ANNALS OF PROBABILITY, vol. 13, p. 478-491, ISSN: 0091-1798
- CAMPANINO M, CAPOCACCIA D., OLIVIERI E. (1983). Analyticity for one-dimensional systems with long range superstable interactions. JOURNAL OF STATISTICAL PHYSICS, vol. 33, p. 437-476, ISSN: 0022-4715
- CAMPANINO M, EPSTEIN H., RUELE D. (1982). On Feigenbaum's functional equation $g(g(\lambda x)) = \lambda g(x)$. TOPOLOGY, vol. 21, p. 125-129, ISSN: 0040-9383
- CAMPANINO M, EPSTEIN H. (1981). On the existence of Feigenbaum's fixed point. COMMUNICATIONS IN MATHEMATICAL PHYSICS, vol. 79, p. 261-302, ISSN: 0010-3616