

Enzo Marinari Curriculum Vitae (updated: October 2017)

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Personal data:

Born on July 7th, 1957. Italian citizen

Professional address:

Dip. Fisica, Univ. di Roma "La Sapienza", P. A. Moro 2, 00185 Roma (Italy).

Tel: +39 - 06 49 91 43 63; Fax: +39 - 06 97 25 70 50

E-mail: Enzo.Marinari@uniroma1.it WWW: <http://chimera.roma1.infn.it/ENZO>

Professional status and career:

From 11/1999 to date: Full Professor of Theoretical Physics at Sapienza University, Rome

From 2/2004 to 2011: Scientific Director for Physics of BIFI (Institute for Biocomputation and Physics of Complex Systems), Zaragoza, Spain, <http://bifi.unizar.es>

Full Professor at Cagliari University, 11/1994 to 11/1999

Associate Professor at Rome University "Tor Vergata", 11/1988 to 11/1994

Assistant Professor at Rome University "Tor Vergata", 11/1984 to 11/1988

Director for Physics of NPAC (Northeast Parallel Architecture Center, NY, USA) and Visiting Professor at Syracuse University, 11/1992 to 11/1994

Staff scientist at CEA Saclay, France, 11/1982 to 11/1984

Awards and recent invitations:

Awards: 2006, the "Best Poster Award" of Supercomputing 2006 (Tampa, USA) has been awarded to the poster describing the prototype of Janus, an FPGA based multiprocessor designed and realized by a group coordinated by E. Marinari, A. Tarancon (Zaragoza) and R. Tripiccione (Ferrara) to analyze numerically very complex problems; 1992, "Award for Essays" from the "Gravity Research Foundation" (USA); 1989, "Accademia dei Lincei" Prize for Best Physicist under the age of 35; 1980, Persico Fellowship from "Accademia dei Lincei"

Recent visiting (periods of one or two months): 2017-2018 visiting KITP

2013-2014 visiting the KITP Kavli Santa Barbara Institute (CA, USA),

2012-2013 invited professor at "Paris Sud" Orsay University 2006-2007,

invited professor at Ecole Normale Supérieure (Paris); 2003-2004, invited professor at ENS (Paris); 2001-2002 invited professor at "Paris Sud" Orsay University

Recent funding and project coordination:

2010: Dynamics Response Energetics and Epistasis of Cellular Metabolism - Funded by IIT - 0.7 ME. This project has been evaluated 98/100, first among the 37 projects selected for funding (over 234 submitted). 2003-2007 Project manager for "Message Passing" of the Integrated EEC Project "EVERGROW". Coordinator of the Rome node. 2002-2006 Coordinator of the Rome node for the Marie Curie Network STIPCO. 2003-2006 Coordinator of the Rome node for the project of the Italian Research Ministry "Very High Frequency Dynamics in Financial Markets"

Administration and organization:

2016: Head of theoretical physics body (subgev) for ANVUR evaluation of Italian research.

2010, 2011, 2012 and 2013: member of the IUF (Institut Universitaire de France) jury for "under 40 grants" (the board assigns grants to French university professors that will drastically reduce their teaching charge during a period of 5 years). 2008-2009: elected member of the scientific committee of AST (Science and Technology part of Sapienza University).

2008, 2010, 2012 and 2014: member of the EEC PE2 for the evaluation of the "ERC Advanced Grants". 2007-2012: Director of the Graduate School in Astronomical, Chemical, Mathematical and Physical Sciences "Vito Volterra", and Head of the Physics PhD program, at Sapienza

Universita' di Roma. He has organized a large number of meetings:

among the most recent the Guerra Festschrift (Sapienza Rome, 9/2012), the Capri meeting (06/2012) "Statistical Mechanics

in Systems Biology: Regulation, Inference, Optimization",

the "Parisi60" meeting (Sapienza and Lincei,

9/2008), where he was the chairperson, "SPDSA 2005", Accademia dei

Lincei, Rome, 9/2005; "Theory and measurement in "EVERGROW", ENS

Paris, 5/2004; Les Houches 2003 (with Mezard and Parisi); "Complexity", Rome, 2002, "Glassy Physics", Accademia dei Lincei, Rome, 2002.

He has been in the program technical committee of the workshop "Networking Across Disciplines: Communication Networks, Complex Systems and Statistical Physics (NETSTAT)" held in conjunction with the IEEE International Conference on Communications (ICC) 2013 in Budapest, Hungary.

He has been member of the program committee (PC) of the Second Conference on "Quantum Information meets Statistical Mechanics", (QISM 2012), Innsbruck, Austria, 9/2012.

Editor of Journal of Physics A from 1997 to 2003. He is referee for, among others, Nucl. Phys. B, Phys. Rev., Phys., Rev. Lett., JSTAT, Europhys. Lett., Europ. Phys. J., J. Phys. A, J. Stat. Phys..

2016: evaluation of funding for applied research, Slovenia Science Ministry. He has evaluated and followed projects for the Industrial Innovation Program of the Italian Ministry for Productive Activities (MAP) and for the Excellence Program (direct calls of exceptional professors from abroad) of the University Italian Ministry. 11/2004 member of the panel reviewing the Statistical Physics Laboratory (LPS) of Ecole Normale in Paris. From 2001 to 2004 member of the Scientific Council for Computing of CEA Saclay (France). 2002/2003: he has directed the "Consorzio Gran Sasso" (attached to INFN Laboratories). Member of the Teaching Innovation Committee (Physics Dept.).

#### Teaching:

Theoretical Physics, Computational Physics, courses in the PhD program; he has directed a large number of PhD and "Laurea" students.

2017 Ilaria Paga. 2017 Davide Bianchi.

2012-2015: Matteo Mori. 2011-2014: Matteo Figliuzzi

He has been member or president of a large number of boards for awarding PhD title in different European countries.

2016: referee for the Israel Science Foundation.

2/2016: president of the board for PhD of Tommaso Brotto (Milan University)

9/2015: board for PhD of Marco Baity Jesi (Complutense Madrid)

2/2014; board for PhD of Pierfrancesco Urbani.

11/2012: member of the board for HDR of Francesco Zamponi (ENS Paris)

9/2011: member of the board for PhD David Yllanes (Complutense Madrid)

1/2010: president of the board for PhD Antonio Gordillo (Complutense Madrid)

#### Main research interests:

Statistical Physics, Quantitative and Systems Biology, Disordered and Complex Systems, Numerical Simulations and Algorithms, Parallel Computers

Research activity: More than 270 scientific papers in international journals and conference proceedings. Coauthor of a textbook for undergraduate studies, edited as "Programmazione Scientifica", by Pearson (2006) in Italian and as "Scientific Programming" by World Scientific in English (2012). Editor of a number of volumes of conference proceedings. Recent invited talks:

Corfu 2017, Salerno 2017, Venezia 2015, Rutgers 2015,

Kyoto 2015, ICTP 2013, Hilerod 2013, CMTF Roma 3 2013, Saclay 2013,

Zaragoza 2012, Guerra Festschrift 2012, Innsbruck 2012, IPCF Cetraro 2012,

Cipro 2011, Trondheim 2011, IIT-Sapienza 2011, Bardonecchia 2011,

Orsay 2010, Marienham 2010, Istituto Italiano di Studi Germanici 2010,

Kyoto ICSG 2010, Kyoto IW-SMI 2010.

#### Bibliometrics,

From ISI database. (October 9, 2017)

Results found: 199 Sum of the Times Cited: 5584 Sum of Times Cited without self-citations: 5114 h-index: 38.

From Google Scholar database (October 9, 2017)

329 records (with some duplicates, corresponding to a number of scientific contributions of the order of 275), 11731 citations (2555 citations from 2012), h-index = 54 (24 from 2010),

(Last updated: October 9, 2017)