

Marc Mézard - Curriculum vitae, March 2023

email: marc.mezard@eunibocconi.it

Born : August 29, 1957

Education

Studies at École normale supérieure (Paris), 1976-1980. Degrees:

Master in Physics 1978

Thèse 3eme cycle in Theoretical Physics 1980

Agrégation teaching degree in Physical Sciences 1980

Thèse Etat 1984: "Study of the mean field theory of spin glasses and its physical interpretation", supervisor C. Bouchiat.

Appointments

Professor, Bocconi University	2022-
Director, École Normale Supérieure (Paris)	2012-2022
Research Director (<i>classe exceptionnelle</i>), CNRS	2010-2022
Director of LPTMS, Université Paris Sud	2010-2012
Visiting Scientist, Oldenburg University	2009-2010
Research Director (<i>Ire classe</i>), CNRS, Université Paris Sud	1999-2010
Part-time professor, Ecole Polytechnique	1987-2012
Visiting Scientist, KITP, Santa Barbara	1998-1999
Research Director, CNRS, Laboratoire de Physique Théorique ENS	1989-1998
Postdoctoral fellow, Rome University La Sapienza	1984-1986
Junior Researcher, CNRS, Laboratoire de Physique Théorique ENS	1981-1989
Assistant Professor (<i>agrégé préparateur</i>) at École normale supérieure	1980-1981

Distinctions

2023: Elected to Academia dei Lincei as « Socio Corrspondente »

2022 : « Prix des trois physiciens » of Ecole normale supérieure

2016 : Onsager Prize of the American Physical Society (with G. Parisi and R. Zecchina)

2013 : Chevalier de la Légion d'honneur

2012 : Elected to the European Academy of Sciences

2009 : Humboldt Gay-Lussac Prize of the Humboldt Foundation (Germany)

1996 : Prize « Ampère » of the French Academy of Sciences (with C. De Dominicis)

1990 : Silver medal of CNRS

1988 : Prize « Suzanne et Anatole Abragam » of the French Academy of Sciences

1985 : Bronze medal of CNRS

Selected lectures

03/2023 : Plenary lecture, Israel Physical Society Annual Meeting

07/2021 : Plenary lecture, ACM-GECCO Conference, Lille (online)

01/2020 : Turing Lectures, ICTS Bangalore

01/2020 : Salam Lectures, ICTP Trieste

01/2018 : Bernoulli lecture, EPFL Lausanne

06/2017 : Racah Lecture, Jerusalem

11/2015 : Boole-Shannon Lecture, MIT
05/2014 : Loeb Lectures, Harvard University
06/2013 : Simons Institute for the Theory of Computing (Berkeley), inaugural conf., invited lecture
10/2004 : Plenary lecture, Information Theory Workshop (San Antonio)
12/2003 : Plenary lecture, NIPS conference (Vancouver)
07/2002 : Plenary lecture, STATPHYS conference (Cancun)
07/1997 : Plenary lecture, International Conference of Mathematical Physics (Brisbane)

In the last 25 years, around 150 invited lectures at international conferences and many « colloquia » in top Universities, among which Princeton, Chicago, Stanford, Berkeley, Rome, UC Santa Barbara, Geneva, KTH Stockholm, Göttingen, IBM Yorktowns, King's College, Oxford, ICTP Trieste, ENS, CUNY, Helsinki, ENS-Lyon, UC Santa Cruz, TU München, Barcelona, CEA Saclay, UC San Diego, Utrecht, Leiden, Athens, Bologna, Edinburgh, Harvard, Rome.

Teaching

- Part-time associate professor at Ecole Polytechnique from 1987 to 2003
- Part-time full professor at Ecole Polytechnique from 2003 to 2012
- Occasional Graduate and Post-Graduate courses at ENS and at several summer schools, including 6 long series of courses at Beg-Rohu summer school (last ones in 2011, 2018, 2023)
- Since 2022: Full Professor at Bocconi University

Bibliometric indices (March 2023)

More than 180 publications in international refereed journals, one patent.
32000 citations and h-index=81 (according to Google Scholar)

Administrative Responsibilities, Boards and Grants

- Director, École normale supérieure - PSL University, 15 Departments (Science, Humanities and Social Sciences), 150 faculties (plus 400 CNRS researchers), 2200 students, yearly budget 130 M€. The director's responsibilities are similar to those of a President and Provost (2012-2022).
- Acting President of PSL University, 2017.
- Director, Laboratoire de Physique Théorique et Modèles Statistiques (LPTMS), Université Paris Sud (2010-2012).
- Board member, PSL University (2012-2022)
- Board member, Ecole normale supérieure de Lyon (2012-2022)
- Board member, Paris School of Economics (2012-2022)
- Board member, Foundation « La main à la pâte » (2012-2022)
- Board member, Foundation CFM (Capital Fund Management) (2014-2022)
- Creator and 1st Director, Excellency laboratory « PALM » (Physics : Atoms Light Matter), involving 700 physicists in Saclay (2011-2012)
- Leader, ANR Grant « QuDEC » on Quantum decoherence (2012)
- Participant, ANR Grant « QPPRJCCQ » lead by B. Douçot on Quantum Computing (2010)
- Participant, ANR Grant « UNLOC » lead by D. Simon on Constraint Satisfaction Problems (2009)
- Principal coordinator of a European « Research training network » of 10 European laboratories (2002-2006)
- Principal coordinator of a European « Human Capital and Mobility » network of 13 European laboratories (1993-1997)

- Chief Scientific Director, « *Journal of Statistical Mechanics: Theory and Experiment (JSTAT)* » 2009-present
- Previously editor of *Europhysics Letters*, *Physica A*, *International Journal of Neural Networks*, *Complexus*, *Journal of Statistical Physics*
- Seminar organizer, LPTMS Orsay 2000-2007
- Co-Organizer, Les Houches Summer School on « Complex systems », 2006
- Scientific board of ICTP (Trieste) (2021- present). Chairman of the board (2023-present)
- Board of trustees of the Cyprus Research and Educational Foundation (2022-present)
- Co-Organizer, Les Houches Workshop on « Recent advances in understanding artificial and biological neural networks », 2023

PhD supervised (14): W. Krauth, R. Monasson, I. Kocher, A. Hazareesing, A. Barrat, M. Müller, M. Ratieville, O. Rivoire, T. Mora, L. Zdeborova, M. Castellana, J. Sakellariou, A. Lokhov, F Camilli