

Biographical sketch - Marc Mézard

Born in 1957

Present position

Director of Ecole normale supérieure,
45 rue d'Ulm, 75005 Paris

Education

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|----------------------------------|---------------------|-------------------------------|
| Lycée Louis le Grand (Paris) | | 1974-1976 |
| Ecole Normale Supérieure (Paris) | Physics | 1976-1980 |
| Ecole Normale Supérieure (Paris) | Theoretical Physics | Thèse 3eme cycle 1980 |
| Ecole Normale Supérieure (Paris) | Statistical Physics | Thèse Etat 1984 |
| Rome University | Statistical Physics | Postdoctoral fellow 1984-1986 |

Appointments

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| Acting President, PSL Research University | May to october, 2017 |
| Director, Ecole Normale Supérieure (Paris) | 2012-present |
| Research Director and Director of LPTMS, CNRS, Université Paris Sud | 2010-2012 |
| Research Director, 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 |
| Attaché de Recherche, CNRS , Laboratoire de Physique Théorique ENS | 1987-1989 |
| Postdoc, Roma 1 University | 1984-1987 |
| Chargé de Recherche, CNRS , Laboratoire de Physique Théorique ENS | 1981-1984 |

Honours

2016 : Onsager Prize of the American Physical Society (with G. Parisi and R. Zecchina)
2012 : Chevalier de la Légion d'Honneur
2012 : Elected to the European Academy of Sciences
2009 : Humboldt Gay-Lussac award of the Humboldt foundation
1996 : Great 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 and talks

06/2017 : Racah Lectures, Hebrew University, Jerusalem
11/2015 : Boole-Shannon Lecture, MIT
05/2014 : Loeb lectures, Harvard University
06/2013 : Inaugural conference of the Simons center, Berkeley, invited lecture.
10/2004 : Plenary lecture, Information Theory Workshop (San Antonio)
12/2003 : Plenary lecture, NIPS (Vancouver)
07/2002 : Plenary lecture, STATPHYS conference (Cancun)
07/1997 : Plenary lecture, International Conference of Mathematical Physics (Brisbane)

Since 1997 : more than 50 « 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, CEA Saclay, Pisa, EPFL, Warsaw, Santa Fe, ENS...)

Books

1987 : « *Spin glass theory and beyond* », M. Mézard, G. Parisi and M.-A. Virasoro, World Scientific
2009 : « *Information, Physics and Computation* », M. Mézard and A. Montanari, Oxford University Press

Organizational responsibilities

- Board member, Ecole normale supérieure de Lyon (2012-)
- Board member, Ecole des Hautes études en Sciences Sociales (EHESS) (2018-)
- Board member, Paris School of Economy (2012-)
- Board member, Fondation de l'Ecole normale supérieure (2012-)
- Board member, Fondation « Friends of Ecole normale supérieure » (2012-)
- Board member, Fondation « La main à la pâte » (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
- Co-Organizer, Les Houches Summer School on « Complex systems », 2006

Collaborators and other affiliations

Professor part-time, Ecole Polytechnique (1987-2012)

Recent collaborators: I Ohta (Tokyo), L. Zdeborova (Saclay), F. Krzakala (ENS), P. Zhang (ESPCI), E. Gouillart (St Gobain), Y. Kabashima (Kyoto), E. Cuevas (Murcia), M. Feigelman (Moscow), L. Ioffe (Paris 6), J. Barbier (ESPCI), R. A. Neher (Tübingen), M. Vucelja (NYU), F. Sausset (St Gobain), Y. Sun (ESPCI), O. Melchert (Oldenburg), A Hartmann (Oldenburg), J. Hertz (Copenhagen), Y. Roudi (Stockholm), E. Bertin (Lyon), P. Abry (Lyon), G. Parisi (Rome), M. Tarzia (Paris 6), F. Zamponi (ENS), C. Toninelli (Paris 6), B. Shraiman (Santa Barbara)

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