CV Mauro Dorato

CURRENT OCCUPATION: Full Professor for the Philosophy of Science at the Department of Philosophy of the University of Rome 3 since 01.10.2005

EDUCATION

The Johns Hopkins University
— Ph. D. (May 1992)
— Diploma from the Center for History and Philosophy of Science (1989)
— M.A. in Philosophy (1988)

The University of Rome “La Sapienza”
— Laurea (i.e., BS+MS) in Mathematics (27 Jan. 1993)
— Laurea (i.e., BA+MA) in Philosophy (6 Dec. 1982)

FELLOWSHIPS AND RESEARCH ACTIVITIES AS VISITING SCHOLAR

Summer 2015 Visiting scholar at the Max Planck Institut für Wissenschaftsgeschichte for a project on the history of cosmology

Summer 2014 Visiting Scholar at the Centre for Time, University of Sydney

Fall 2013 Offer for a Visiting Fellowship Center for History and Philosophy of Science of the University of Pittsburgh

Summer 2012 Visiting professor Department of Philosophy University of Bielefeld

Fall 1995 Visiting scholar at the Center for History and Philosophy of Science of the University of Pittsburgh.

FELLOWSHIPS

1995-1997 Post-doc scholar at the University of Padua

1986-87: Fulbright scholar at the Johns Hopkins University, Baltimore, MD.
EDITORIAL ACTIVITIES

Deputy editor of the European Journal for Philosophy of Science, (EJPS), Springer, 1 issue came in 2011

From the beginning of 2012 co-editor of the same journal with Carl Hoefer (UWO, London)

Member of the editorial board in Axiomates

Member of the Scientific Board of the following journal

Epistemologia
Rivista di Filosofia
Colloqium Philosophicum
Epistemologia
Reti, Saperi, linguaggi. Italian journal of cognitive sciences

ACTIVITY AS PEER REVIEWER FOR SCIENTIFIC JOURNALS:

Australasian Journal of Philosophy
British Journal for the Philosophy of Science,
Dialectica,
Epistemologia,
Erkenntnis
European Journal for Analytic Philosophy,
Foundations of Physics
Foundations of Science,
International Studies for the Philosophy of Science,
Mind
New York academy of science
Philosophical Transactions
Philosophy of Science,
Studies in History and Philosophy of Modern Physics,
Studies in History and Philosophy of Science
Synthese.
The Philosophical Quarterly

ACTIVITY AS PEER REVIEWER FOR PUBLISHING HOUSES

Elsevier, Oxford University Press, Routledge

ACTIVITY AS EXPERT FOR REVIEWING APPLICATIONGRANTS

British Research Council AHRS,
Fund for Scientific Research-FNRS (F.R.S.-FNRS) Belgium
Israeli Science Foundation (ISF)
National Science Foundation (USA),
Netherlands Organisation for Scientific Research (NOW)
Swiss National Science Foundation,
The Dutch Research Council)
Member of expert for the European Science Foundations
Reviewer for the National Agency for the Evaluation of the University Research

MEMBERSHIP IN INTERNATIONAL SOCIETIES

Former member of the steering committee of the European Philosophy of Science Association (created in 2007). http://www.ucm.es/info/epsa07/

Co-chair of the Program Committee for the first conference of the European Philosophy of Science Association, to be held in Madrid in November 9-11 2007 http://www.ucm.es/info/epsa07/

Member of the steering committee of the International Society for the study of spacetime (Concordia University, Montreal) http://www.spacetimesociety.org/

Member of the Program Committee for the series of international conferences The ontology of spacetime (Concordia University, Montreal)

Since 2008 Corresponding member of the Academie Internationale des Philosophie des Sciences. Nominated ordinary member in 2011

Since 2010 Member of the Academia Europaea (The Academy of Europe)

From 2008 to 2011 member of the steering committee of the Italian Society of Logic and Philosophy of Science (SILFS)

Since April 30 2011 until June 2014, President of the Italian Society of Logic and Philosophy of Science (SILFS)

ADMINISTRATIVE JOBS

Director of the PH.D joint program of Roma3 University and Tor Vergata University

DIRECTION OF GRANT PROJECTS

from 2000 until 2012

Participant in various research projects financed by the Italian Ministry of Public Education

2014-2017

Director of the Local Research Team in the research project Models and Inference in science (Units belonging to the team University of Rome Roma 3, University of Milan La Bicocca, University of Bologna
PUBLICATIONS (IN ENGLISH)

Books


Edited Books


Reviews of Time and Reality:


Reviews of The Software of the Universe


Papers

2018


2017


2016


2015


2014


2013


2012

22. Presentism/Eternalism and Endurantism/Perdurantism: why the unsubstantiality of the first debate implies that of the second, *Philosophia Naturalis* 49, 1, pp.25-41


2011


2010


2009


2008


2007


2006


2005


2004


2003

44. “Cognitive Norms, the Methodology of Science and the Naturalization of Ethics”, in R. Egidi, M Dell’Utri, M. De Caro (eds), Normatività, fatti e valori (Normativity, facts and values), Analisi Filosofiche, Macerata, 2003, pp. 1163-172.


2002


2000


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1997


1996


1995


1994


1993


1992

1988


1987


Reviews:


PUBLICATION IN FRENCH


TALKS AND INVITATIONS TO INTERNATIONAL SYMPOSIA AND CONGRESSES

2018

1 May, Memorial Lecture in honor of Itamar Pitowsky, Hebrew University of Jerusalem

17-18 May Philosophy of Time: A View from the Past, University of Milan

11-13 June, Cracow, Modality in Physics

18–20 June 2018. International Society for the study of time, Yonsei University, Seoul/Incheon, South Korea.

12-13-14 July, Budapest, Central European university

28-29-30 August, Summer School at the Swiss Institute of Culture, villa Maraini, Roma

2017

Triennial congress of the Italian Society for Logic and Philosophy of science, University of Bologna, June the 23rd

Realism and Quantum Mechanics, University of Leeds, 13 September

Bohr’s philosophy of science, IMERA, Marseille, 25 september

2016

4, 7 e 8 March Three Lectures at the Universidad Metropolitana de Mexico (UAM) on the philosophy of time

8 March Lecture at the Universidad Nacional Autonoma de Mexico (UNAM) on Realism and instrumentalism on the wave function.

22-27 maggio, Lecture to the conference Carlo Rovelli’s 60th birthday (Aix en Provence, Luminy, Merseille)

8-11 Conference in Wake Forrest University, NC for the biennial meeting of the Center for the philosophy of time

25-27 giugno invitation to participate to the edimburg conference of the centr for the study of time, declined

2015

25 March Luxemburg European school (Scuola Europea)

27 March University di Geneva.

27 April University of Copenhagen

30 April University of Bergen, Norway
7 May Oxford
11 May Liverpool
27 May Munich, LMU
3 July Max Planck Institut für Wissenschaftsgeschichte
9 September Urbino, 100 years from Einstein’s General Theory of Relativity
22-26 September European Society for Philosophy of science biennial meeting EPSA 15

2014

13th May Conference in Gargnano (Garda Lake) on Time
14-19 May, Conference in Beijing on Science Values and Democracy
22th of May Conference in Barcelona on “spacetime and the wave function”
15th of September Oslo’s Conference on Causation and Powers
3rd-4th of October, Oxford Conference on Power Structuralism
8-9 December, Conference on the limits of science, Granada

2013

Cologne, Causation and Structuralism, 8 February

Athens 3 March, metaphysics of scientific realism

Paris La Sorbonne 4 April. On scientific revolutions

Helsinki, 3 Conference of the European Philosophy of Science Association EPSA, 27- agosto- 1-settembre, On Feynman’s diagrams

Louvain la Neuve, 18 October, Conference for in honor of Prof. M. Ghins

2012

Louvain-la Neuve 25-26 April

Heidelberg 4-6 June

Bielefeld 19 June
Hannover 20 June

COLLEGE DE FRANCE, 26 JUNE, participation to a conference on the 100th anniversary of the discovery of cosmic rays

Oslo, 3-5 September, Conference on Causality and Modality

London, Metaphysics of Relation, 3-5 October

Urbino, November Conference with the Barcelona Group on Science and Metaphysics

Conference at the Georgia Institute of Technology. (November)

PSA 2012 meeting (accepted presentation)

2011

Persistence in Minkowski spacetime, University of Bonn, 13-14 February

Louvain la Neuve, Meeting of the Academie Internationale des Philosophies des Sciences 26-28 April,

Toronto 13-15 May Metaphysics and the Philosophy of Science conference

Paris rationalité en situation, 10 December

Univ. of Leeds, conference at the dept. of philosophy 16 December. External examiner for a Ph.D viva

2010

13-15 December, European Science Foundation, London School of Economics, Points of Contact between Physics and Biology

24 September Commentator to S. Psillos on adding modalities to OSR (Padova, SIFA)

26 April, University of Konstanz

2009

4 December University of Athens, On natural laws, workshop with Steven French

20 November University of Bonn, On time and existence in special relativity

19 October Presentation at the European science foundation conference, Dreibergen-Zeist, Holland

15 April Presentation at the conference Metaphysics in Science, Dubrovnik

2008
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>2 April</td>
<td>Talk on Causal Power and Disposition in Hotel Sonloup, Les Avants, Lousanne, for the Congress Causation in Biomedical sciences. Philosophical and Historical aspects.</td>
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<tr>
<td>7, 8, 9 May</td>
<td>Presentation at the Conference Pragmatism and Naturalism, Tilburg, The Netherlands</td>
</tr>
<tr>
<td>11 June</td>
<td>Presentation at the conference Time and the Universe Tau (Montreal)</td>
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<tr>
<td>13 June</td>
<td>Presentation at the 3rd Conference The Ontology of Spacetime, Concordia Montreal</td>
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<tr>
<td>15-16 September</td>
<td>Presentation to Conference organized by the Academie de Philosophie de Sciences on Natural and Human sciences</td>
</tr>
<tr>
<td>19 December</td>
<td>Commentator of D. Dieks paper at the meeting European Science Foundations, Vienna, Section Philosophy of Physics</td>
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**2007**

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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>29-31 Marzo</td>
<td>“Do dispositions and propensities have a role in the philosophy of quantum mechanics?”’, 15th UK and European Meeting on the Foundations of Physics, University of Leeds</td>
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<tr>
<td>10-11 September</td>
<td>Connecting objective becoming with the conventionality of simultaneity, presented at the Boston Colloquium for the Philosophy of Science: Italian Trends in the Philosophy of Science</td>
</tr>
<tr>
<td>9 October</td>
<td>Congress of the Italian society of logic and philosophy of science (SILFS) (Commentary to Carlo Rovelli’s paper)</td>
</tr>
<tr>
<td>17 October</td>
<td>Participation to the congress Autonomy of Reason? Rome</td>
</tr>
<tr>
<td>27 October</td>
<td>Conference to the Festival della scienza (festival of science) Genoa</td>
</tr>
<tr>
<td>6 November</td>
<td>International conference in Honor of H. Putnam</td>
</tr>
<tr>
<td>29 November</td>
<td>Seminar in Louvain la Neuve on the role of mathematics in laws of nature</td>
</tr>
<tr>
<td>30 November</td>
<td>Seminar in Bruxelles on Becoming in physics and psychology</td>
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**2006**

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<tr>
<th>Date</th>
<th>Event Description</th>
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<tr>
<td>8-11 June</td>
<td>Presentation at the Second conference on the Ontology of spacetime, Montreal, University of Concordia</td>
</tr>
<tr>
<td>14-18 June</td>
<td>Presentation to the first Congress of History of Philosophy of Science Society in Paris</td>
</tr>
<tr>
<td>6-7 October</td>
<td>Presentation at the conference Probabilities, Causes and Propensities in Physics (Universidades Complutense, Madrid)</td>
</tr>
<tr>
<td>13-14 October</td>
<td>Presentation “Structural spacetime realism and the evaporation of the substantivalism-relationism debate” for the meeting “Physics meets Philosophy at every scale”, Parma</td>
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</tbody>
</table>
2005

17-21 January  Presentation at the conference Endophysics, Time, the Quantum and the Subjective, Zentrum für Interdisziplinäre Forschung, Bielefeld

27-31 August  Two presentations: one at the European Congress for Analytic Philosophy; the other at the special symposium Quantum Information and Philosophy”, both held in Lisbon

5-10 September Congress in Losini for the 70th birthday of G.C. Ghirardi

2004

7-8 May  Presentation at the conference “The Arrow of Time in Physics and Philosophy”, organized at the l’ULB of Louvain, Belgium, by Michel Ghins on account of the European Science Foundation

11-14 May  Presentation at the conference The Ontology of Spacetime, held at the Concordia University, Montreal, Canada. For this conference I have contributed to evaluate the submitted papers and to organize the sessions

15-19 July  Presentation at the conference “Time in the Natural sciences” at the Center for Time at the University of Sydney

11-13 October  Presentation at the conference “God and the Laws of nature”, Varenna, Italy

29-30 November organization of the workshop Time in Physics and Philosophy

2003

May 8  Seminar at the Dept. of Physics at the University of Florence:
“Why are most laws of nature mathematical?”

25-29 August: Talk at the International conference on the relation between mathematics and physics, Losinj, Croazia

8-11 October: Conference at the meeting “Reason and Reasonableness”
26-28 November: The nature of scientific explanation University of Milano “Bicocca

2002

19-21 September Presentation of a paper at the international meeting organized by Paris X Nanterre e and by the Ecole Politecnique on Causal Power and Dispositions
3-6 October Sixth meeting of the Pittsburgh-Konstanz colloquium at the University of Pittsburgh
28-30 November Commentator at the IX meeting of the Italian-Spanish philosophy

2001

4-8 June: Invitation to present “Determinism, Chance and Freedom, at the international congress on Determinism, Tegernsee, Freiburg
17-21 June: History and philosophy of cosmology (Monteporzio)

28 June: Seminar at the Institut für Grenzgebiet der Psychologie und Psychohygienie (Freiburg)

2000

2-4 November
Talk at the PSA 2000 meeting in Vancouver
4-6 October
Talk at the meeting of the Italian Society for Analytic Philosophy

27-29 September
Talk at the meeting on the philosophy of time at the London School of Economics, for the Royal Series in Philosophy, 2000

1999

20-26 August, Congress of the Logic Methodology and Philosophy of Science, Cracow, Poland
Invited lecture on the philosophy of space and time for the philosophy of physics session

1998
21-25 October
PSA 98 meeting in Kansas City, USA
Participation to the symposium Special Relativity and Ontology; (the title of my paper is “Becoming and the arrow of causation”), co-symposiasts J. Balashov and S. McCall, commentator R. Clifton.

23-25 September Bologna
Italian congress of the society for analytic philosophy.

1997

17-20 April. Triest, Italy
Invitation to present “Gödel’s two relativistic arguments for the ideality of time” at the international conference organized by the SIFF (Italian Society for the Philosophy and the Foundations of physics).

1996

5-8 September, Leeds, England
Invitation to present the paper “Mental causation and the reality of tenses” at the congress of the ESAP (European Society for Analytic Philosophy).

19-26 May, Castiglioncello, Italy
Commentator in the section “Space and Time” to John Norton’s and Andreas Bartel’s papers, presented at the annual meeting of the Fellows of the Center for History and Philosophy of Science of the University of Pittsburgh.

14 May, Cambridge, England
“The tensed theory of time and spacetime physics”, paper presented at the Department of philosophy of the University of Cambridge.

1995

29 September 1995, Pittsburgh
Talk for the Lunchtime Colloquium Series “On Becoming, Relativity, Nonseparability”.
19-25 August, Florence
   “Becoming in Minkowski spacetime”, presented at the 10th International Congress of Logic, Methodology and Philosophy of science in the section philosophy of physics.

24-28 May, Parma Italy
   “Measurability, computability and the existence of theoretical entities”, presented at the International congress of the Académie de Sciences.

18-21 May, Poel, Germany

1993

19 e 26 November, Vienna, Austria
   Two seminars on Tarski’s indefinability theorem within the course held by prof. Herbert Hrachovec of the University of Vienna on Gödel’s incompleteness theorems (Gödel Unentscheidbarkeitsbeweis).
**PUBLICATIONS IN ITALIAN**

**Edited book:**


**Books in Italian**


**Reviews of Futuro aperto e libertà:**


Reviews of *Il Software dell'Universo*

M. Di Francesco, “Il software che fa girare la realtà”, il Sole 24 ore, 14.01.01.
L. Massacra, “Il software dell’universo”, *Mediamente*, 31.01.01.
F. Cimatti, “Quel che ci dice il lessico dell’universo”, *Il Manifesto*, 26.05.01
V. Ascheri, (http://www.swif.uniba.it/lei/recensioni/index.htm), novembre 2001

**Published papers**


84. Preface at the Born-Einstein Correspondence (ed. by M.Dorato), Mimesis, 2015, pp. IX-XVI


86. L’indispensabilità della scienza per la democrazia (I). Discussione libera e controlli incrociati di ipotesi (II), in *Riflessioni e iniziative di democrazia in tempo di crisi*, (ed. P. Chiatti), Morlacchi, Perugia, 2014, pp.3-40.


90. “Scienza e coscienza, ovvero le contraddizioni della scienza del Novecento” (Science and consciousness, or the contradictions of 20th century science), in *Alla ricerca delle radici della nostra cultura*, n. 6, Grafica Briantea, Milano, 2012, pp.29-40.


96. “L’enigma del tempo e il controllo del futuro” (The enigma of time and the control of the future), in Prevedere, Anticipare, *Prisma*, 1, pp.55-60, ristampa di (84), reprint of 92


98. “Dialoghi sul confine” (Dialogues over the border), in *Sapere*, Ottobre 2010, pp. 12-19


100. “L’enigma del tempo e il controllo del futuro” (The enigma of time and the control of the future), in *Spazio ricerca*, N. 9, ottobre 2009, pp. 54-59.


103. “Determinismo, libertà e la biblioteca di Babele” (Determinism, freedom and babel’s library), in *Prometeo*, Anno 27, 105, Marzo 2009, pp.78-85


110. “Einstein e la Relatività” (Einstein and Relativity), in Filosofia e cultura, (a cura di A. La Vergata e F. Trabattoni), vol. 3b, La Nuova Italia, Firenze, pp. 110-120.


112. “Il dibattito tra compatibilisti e libertari tra metafisica e pragmatica: perché si deve abbandonare la prima per abbracciare la seconda.” (The debate between compatibilists and libertarians between metaphysics and pragmatics: why should we abandon the former to endorse the latter), in Le ragioni del conoscere e dell’agire, a cura di R. Calcaterra, Quodlibet, Macerata, 2006, pp.267-276.

113. “Il dibattito tra compatibilisti e libertari tra metafisica e pragmatica: perché si deve abbandonare la prima per abbracciare la seconda.”, in Le ragioni del conoscere e dell’agire, a cura di R. Calcaterra, Quodlibet, Macerata, 2006, pp.267-276.


115. “Che cos’è la filosofia della scienza?” (What is philosophy of science?), Analysis, 3, 2003, pp.15-22 (this is a slightly modified version of the on-line essay (39).


132. “Chi ha bisogno di una fisica computabile della mente?” (Who needs a non-computable physics of the mind?), V. M. Abrusci, C. Cellucci, Roberto Cordeschi, V. Fano (eds.), Proceedings of the


144. “Creatività e scoperta scientifica” (Creativity and scientific discovery), Sapere, Dec. 1983, pp. 48-52.

Reviews of philosophy books in Italian newspapers


