

CURRICULUM

Gennaro AULETTA

born 1957, the 27th August
in Neaples
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1. EDUCATION

2003	Scientific Director of the specialization “Science and Philosophy”, Gregorian University (Rome).
2001	Admitted to the list for <i>Maître de conférences</i> (France) for Epistemology and history of sciences and techniques.
1995-1997	<i>Post-doc</i> in Philosophy, <i>La Sapienza</i> University (Rome).
1993	PhD in Philosophy, <i>La Sapienza</i> University (Rome) with a thesis about “Leibniz’s Philosophy of modalities”.
1986	First degree in Philosophy, <i>La Sapienza</i> University (Rome). Thesis about “The philosophical debate between Th. Adorno and W. Benjamin”.
1985	<i>Grosses Deutsches Sprachdiplom</i> , <i>Goethe-Institut/ Ludwig-Maximilians-Universität of München</i>

2. TEACHING ACTIVITY

2003-2004	<ul style="list-style-type: none"> • Regularf teaching activity (specialization in "Science and Philosophy", Gregorian University)
2002	<ul style="list-style-type: none"> • Lecture on Quantum Mechanics and lecture on Leibniz, Ecole Normale Supérieure, Lyon • Lecture on “Modularism and Developmentalism” at the Scuola Internazionale di Filosofia e storia della Biologia e della Medicina (23th-27th Sept., Nettuno).
2001	<ul style="list-style-type: none"> • Seminar on “Critical Examination of Classical Mechanics in the Light of Quantum Physics”, Scuola di specializzazione of Cesena. • Seminar on “Individual Systems, Correlations, ontological relativity”, CNRS Paris
2000-2003	Lecturer of History of Science, Urbino University (Italy).
2000	Seminar on “Measurement theory in Quantum mechanics”, Scuola di specializzazione of Cesena.
1999-2001	Lecturer at the Philosophical Institute of the <i>Gregoriana</i> Univerisity of Classical Mechanics and Quantum Mechanics.
1999	Lectures at the Physics Department of the University of Lecce on Positive Operator Valued Measure, Open Systems and Measurement theory in Quantum Mechanics” and on “Algebraic Analysis of Quantum Non-Locality”.
1997-2003	Lecturer of Philosophy of Nature, <i>S. Anselmo</i> University and <i>Antonianum</i> University.
1996-2003	Lecturer of History of Nordamerican Philosophy and History of Late Middle-Age Philosophy, <i>S. Anselmo</i> University.
1996-1997	Lecture at the Philosophy Department of <i>La Sapienza</i> University on “Philosophical and Epistemological Lessons of Quantum Mechanics”.
1995-2003	Lecturer of <i>Logics</i> , <i>Antonianum</i> University (Rome).
1995-1996	Lecture on the “Quantum postulate and the Complementarity Principle”, Philosophy department of <i>La Sapienza</i> University.
1991-1995	Lecturer of History of Modern Philosophy, <i>S. Anselmo</i> University.

3. CONFERENCES AND CONGRESSES

2003	Congress of Philosophy of Science (Dubrovnik, April), “The Problem of the Categorization Levels: A Pragmatistic Approach”.
2002	Congress on “How many Copenhagen?” (Cesena, 17th-19th Oct.), “The Complementarity Principle and its Experimental Verification”.
2001	Fifth Congress of the <i>International Quantum Structures Association</i> (Cesena, March the 31st- April the 5th), “The Fundamental Theorem of Measurement and Critical Examination of MWI and Decoherent Histories”.
2000	5 th <i>International Conference on Quantum Communication, Measurement and Computing</i> (Capri, 3-8 July).
1999	Conference on “Omnimoda determinatio and Individuation”, <i>Gregoriana</i> University.
1998	<ul style="list-style-type: none"> • Conference on ‘Quantum Information’, Department of Mathematics of <i>La Sapienza</i> University. • Conference on ‘Quantum Information’, <i>Gregoriana</i> University. • International Congress in Lecce about <i>The Foundations of Quantum Mechanics</i>, “Measurement, spontaneous transitions and interpretation of Quantum Mechanics”.
1996	Conference on “Cartesian <i>cogito</i> ”, <i>Antonianum</i> University.
1991	International Congress on "Operations mentales et théories linguistiques", University <i>Paris VII</i> , “Semiotics and Mind-Body Problem in Leibniz and Occasionalism”.

4. CURRENT RESEARCH

Textbook on Quantum Mechanics together with Giorgio Parisi and Mauro Fortunato.

Studies about the relationship between feedback in living beings and feedback in intelligent operations and decisions.
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5. PUBLICATIONS

5.1 Books

7	<i>Introduzione alla logica</i> , Rome, Antonianum, 2002, 2nd ed. 2004
6	<p><i>Foundations and Interpretation of Quantum Mechanics. A Critical-Historical Analysis of the Problems and a Synthesis of the Results</i> (with a preface of Giorgio Parisi), Singapore, World Scientific, 2000, ps. XXXII + 981; rev. ed. 2001</p> <p>Reviews: - Alastair Rae, <i>Europhysics Letters</i>, sept.-oct. 2001</p> <ul style="list-style-type: none"> - Vlatko Vedral, <i>Progress in Quantum Electronics</i> 25 (2001): 191-92 - Gianluca Introzzi, <i>Il nuovo sagggiatore</i> (Bollettino della società italiana di fisica) 18 (2002): 61 - Vincenzo Fano, <i>Isonomia - e-magazine -</i> (2002); <i>Epistemologia</i> 27: 157-72 - Gianluca Introzzi, <i>Foundations of Physics</i> 32 (2002) - Salvo d'Agostino, <i>Physis</i> 39 (2002): 373-76
5	G. Rodis-Lewis, <i>Descartes</i> , Calmann-Lévy, 1995, it. ed. and transl. G. Auletta: Editori Riuniti, Roma, 1997
4	Theodor G. Bucher, <i>Einführung in die angewandte Logik</i> , Berlin, de Gruyter, 1987, it. ed. and transl. G. Auletta: Clueb, Bologna, 1996.
3	<p><i>Determinismo e Contingenza. Saggio sulla filosofia leibniziana delle modalità</i> (with a preface of Vittorio Mathieu), Morano editore, Napoli, 1994, pp. 228</p> <p>Reviews:</p> <ul style="list-style-type: none"> - Gianluca Miligi, <i>La Cultura</i> 2 (August 1996): ps. 341-45 - Paola Vasconi, Bulletin of <i>Società filosofica italiana</i> 160 (1997): pp. 82-84
2	Sylvain Auroux, <i>Barbarie et philosophie</i> , Parigi, Presse Universitaire de France, 1990, it. ed. and transl. G. Auletta: Editori riuniti, Roma, 1993.
1	M. Mendelssohn, <i>Jerusalem</i> , Berlin, 1783, it. ed. and transl. G. Auletta: Guida editori, Napoli, 1991.

5.3 Papers

25	"Quantum Information as a General Paradigm", <i>Foundations of Physics</i> 35 :
24	"Quantum Information and Inferential Reasoning", <i>Foundations of Physics</i> 35 (2005): 155-69
23	"Interpretazioni soggettivistiche della misurazione in meccanica quantistica", <i>Teorie e modelli</i> 9 (2004): 43-61
22	"Decoherence and Triorthogonal Decomposition", <i>International Journal of Theoretical Physics</i> 43 (2004): 2263-64
21	"On the Physical Reality of Quantum Waves", <i>Foundations of Physics</i> 34 (2004): 1675-94, Special Issue in Honor of F. Selleri (with Gino Tarozzi)
20	"Il principio di complementarità sottoposto a verifica sperimentale", in <i>Quanti Copenhagen? Bohr, Heisenberg e le interpretazioni della meccanica quantistica</i> (atti del Convegno, Cesena, 17-19 ottobre 2002, a cura di Isabella Tassani), Cesena, Il Ponte Vecchio, 2004: 169-77
19	"Critical Examination of the Conceptual Foundations of Classical Mechanics in the Light of Quantum Physics", <i>Isonomia</i> (2002): http://www.uniurb.it/Filosofia/isonomia/aulettaepist , <i>Epistemologia</i> 27 (2004): 55-82
18	"Wavelike Correlations versus Path Detection: Another Form of Complementarity", <i>Foundations of Physics Letters</i> , 17 (2004): 89-95 (with G. Tarozzi)
17	"Some Lessons of Quantum Mechanics for Cognitive Sciences", <i>Intellectica</i> 36-37 (2003): 293-317
16	"Language, Sign and Representation: An Answer to Stewart, Laurent, Reboul, and Palma", <i>Intellectica</i> 36-37 (2003): 401-417
15	"How Quantum Mechanics Suggests New Insights in Metaphysics and Natural Theology", <i>Antoniano</i> 78 (2003): 705-710
14	"Is Representation Characterized by Intrinsicity and Causality?", <i>Intellectica</i> 35 (2002): 83-113
13	"Dio è garante di un certo ordine mondano?", <i>Antoniano</i> 76.1 (2001): 193-96
12	"An Outline of an Interpretation of Quantum Mechanics", in Garola/Rossi (eds), <i>The Foundations of Quantum Mechanics. Historical Analysis and Open Questions</i> , Singapore, World Scientific, 2000: ps. 31-49.
11	"L'informazione in meccanica quantistica" [Information in Quantum Mechanics], in B. Continenza and E. Gagliasso (eds.) <i>L'informazione nelle scienze della vita</i> , Milano, Franco Angeli, 1998: ps. 163-72. Review: Aldo Fasolo in <i>Le Scienze</i> (italian ed. of <i>Scientific American</i>) 373 (1999): ps. 116-17
10	"Il problema della scelta di Dio. Un breve esame di una tesi di Leibniz alla luce delladiscussione medievale", <i>Antoniano</i> 73 (1998): ps. 329-44
9	"Spinoza: una mistica al di là del discorso razionale", in A. Molinaro/E. Salmann (eds.), <i>Filosofia e Mistica</i> , Roma, Centro Studi S. Anselmo, 1997: ps. 207-213
8	"Alcuni appunti sulla semiotica leibniziana", in Gambarara/Gensini/Pennisi (eds.), <i>Language Philosophies and the Language Sciences</i> , Münster, Nodus Publikationen, 1996: ps. 129-32
7	"Providence", in <i>Dictionnaire Théologique</i> , Presse Universitaire de France, Parigi, 1996.
6	"Libertà umana, Preveggenza e predestinazione: un breve esame critico della dottrina di Duns Scotus", in <i>Miscellanea</i> for Prof. Studer, Editrice Anselmiana, Roma, 1995: ps. 287-300
5	"Il rapporto tra i concetti di possibile ed esistente nel quadro della teoria leibniziana dei mondi possibili", <i>Filosofia</i> 45.3 (1994): ps. 275-89 [Leibniz Bibliography: 1994]
4	"Sémiotique et problématique corps-esprit chez Leibniz et les occasionnalistes", <i>Histoire Epistémologie Langage</i> , 14.2 (1992): ps. 85-106
3	"L'argomento Ontologico. Un convegno internazionale" <i>Cultura e Scuola</i> 116 (1991), ps.

	305-313
2	“Leibniz e la prova modale dell'Essere necessario”, <i>Atti del Convegno sull'Argomento Ontologico</i> (ed. M. M. Olivetti), Padova 1991, ps. 237-46 [Leibniz Bibliography: 1990]
1	“Moses Mendelssohn”, in <i>Handbook of Metaphysics and Ontology</i> , Philosophia Verlag, München, 1991