

CURRICULUM

Gennaro AULETTA

Born 1957, on the 27th August, Naples

Italian citizen, married, two children

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For a summary see: http://en.wikipedia.org/wiki/Gennaro_Auletta

For research see: http://www.researchgate.net/profile/Gennaro_Auletta/

1. EDUCATION AND POSITION

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| 2012- | Research Associate of the von Hügel Institute, University of Cambridge |
| 2011- | Visiting Fellow of the St Edmund's College, University of Cambridge |
| 2009- | <ul style="list-style-type: none">• Aggregate Professor, Pontifical Gregorian University• Researcher, University of Cassino• Visiting Professor, Notre-Dame University, USA. |
| 2003- | Scientific Director of the specialization "Science and Philosophy", Gregorian University (Rome). |
| 2003-2010 | Scientific Coordinator of the STOQ Project. |
| 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

- 2009
- Lecture on the “Causal Modalities in Living Beings”, University of the Holy Cross.
- 2004-
2004-2005
- Lecture on logic and philosophy of science at the University of Cassino.
 - Lecture on History of Medieval Philosophy at the University of Urbino
- 2003-
- Regular teaching activity, Specialization in "Science and Philosophy", Gregorian University.
 - Regular teaching activity, Scuola di specializzazione of Cesena.
- 2002
- 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
- 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 *Gregoriana* University 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, *S. Anselmo* University and *Antonianum* University.
- 1996-2003
- Lecturer of History of Nordamerican Philosophy and History of Late Middle-Age Philosophy, *S. Anselmo* University.
- 1996-1997
- Lecture at the Philosophy Department of *La Sapienza* University on “Philosophical and Epistemological Lessons of Quantum Mechanics”.
- 1995-
- Lecturer of *Logics*, *Antonianum* University (Rome).
- 1995-1996
- Lecture on the “Quantum postulate and the Complementarity Principle”, Philosophy department of *La Sapienza* University.
- 1991-1995
- Lecturer of History of Modern Philosophy, *S. Anselmo* University.

3. CONFERENCES and SPEECHES

- 2011
- 10 November, public debate with Carlo Rovelli on *What is Science?*, Teatro Valle, Rome.
 - http://www.ustream.tv/recorded/18433937#utm_campaign=synclckback&source=http://www.teatrovalleoccupato.it/streaming&medium=18433937
 - 12-17 September, Cesena, 14th Summer School of Philosophy of Physics, contribution on: “Dalla complementarità wave-particle alla complementarità features-events” (From the Wave-like complementarity to Features-events complementarity).
 - 5-9 September, University of Antwerp, Symposium of the European Low Gravity Association (ELGRA).
 - 2-3 June, Notre Dame University (Lebanon), contribution on “An Emerging Cross-disciplinary research strategy”, Conference on *Cross-Cultural Education*.
 - May the 27th, Presentation of the volume *Biological Evolution: Facts and Theories*, Pontifical Gregorian University (<http://www.radiovaticana.org/it1/Articolo.asp?c=491317>).
 - Barcelona, May the 25th, Theological Faculty, Lecture on “The dialogue theology-philosophy-sciences”.
 - April, 7-10, University of Cambridge, contribution to the organization of the Lemaitre Conference.
 - January the 27th, University of Dansk, speech on: „From Popescu-Rohrlich Correlations to the Information Causality Principle“.
- 2010
- 18-20 December, Goa (India), contribution on “Emerging Research Strategies” at the Conference on *Catholicism and the World of Science*.
 - Cologne, November, workshop in the ESA centre: Projects selected for ESA_ILSRA 2009. Contribution on “Planarians Regeneration in Space”.
 - Traunkirchen (Austria), 19.-24, July 2010, contribution on “Features and Events”, workshop on *What exists in the quantum world?* http://www.akademietraunkirchen.com/wp-content/uploads/2010/05/Auletta_Features-and-Events.pdf
 - University of Oxford, July 7-10, contribution on “Critical Realism and the Intelligibility of Nature” at the conference on *God and Physics*.
 - 4 February, public lecture on „Il futuro della scienza: c’è posto ancora per la filosofia?“, Scuola Cattolica di Cultura di Udine.
 - 1-5 January, Contribution on „Quantum Technologies as a Challenge“, Pune (India), Conference on „Science-Religion Dialogue in the World of Nanoscience“.
- 2009
- 1-3 November, University of Notre Dame, “Teleonomic and Teleologic Causation in Phylogeny and Ontogeny” in the Conference on *Darwin in the 21st Century: Nature, Humanity, and God*.
 - 30 October, Loyola University of Chicago: Seminar on “Entanglement and Information”.
 - 6 October, Cambridge University, Faraday’s Institute: Public Lecture on “The Emergence of Biological Systems”.
 - 15-18 July, Oxford, „From the Perspective of a Catholic“, in the Conference on *Religious Responses to Darwinism*.
 - 3-5 July, Cambridge, Contribution on „Teleonomy and Information Control“ in the ISSR Conference on *Evolution, Religion, and Suffering*.
 - April, Vatican City: Organizer of the workshop on Endogenous Processes and Causation in Brain and Behavioral Sciences. Contribution on „*A constraining role of mind upon the brain?*“
 - March, Rome: Organizer and Vice-Director of the Conference on Evolution Theory (Pontifical Gregorian University).
- 2008
- September, Rome: Organizer of a workshop on recent developments in evolution theory.

- 14-17 July, University of Utrecht, Workshop HQ2 (History and Philosophy of Quantum Mechanics), contribution on “Interpretation of Quantum Mechanics Consistent with Quantum Mechanics”.
- 23-27 June, Syros, Greece, “Biological Systems as Integrating a Processor, a Regulator, and a Decider” in the Conference on *Biosemiotics*.
- 2007 • July, Berlin’s Max-Planck Institut für Wissenschaftsgeschichte, Workshop HQ1 (Quantum History Project), contribution on: “The Problem of Quantum Mechanics’ Interpretation: a Historical-Critical Assessment”.
http://quantum-history.mpiwg-berlin.mpg.de/news/workshops/hq1/hq1_abstracts.pdf
- 2006 • January, Workshop in Cancun (Mexico) on Complexity Theory
- International Conference about "Science and Theology: The Role of Philosophy", Catholic University of Lublin, 15-16 November.
- Organization of the Workshop at the Gregorian University, Vatican City, 7-8 April on *The Controversial Relationships between Science and Philosophy: New Opportunities for a Fruitful Dialogue*: contribution on "Life under the point of view of information control and entropic fluxes".
- International Conference about "Science, Civilisations, Cultures" in the Senat of the French Republic, 7 January: "The Lessons of Quantum Mechanics: Towards a New Ontology" (in French)
- 2005 • Conference on Albert Einstein, Cesena 24-26 November: "The Debate Between EPR, Schrödinger, and Bohr, as an Application of Different Forms of Inferences"
- Conference on *Science and Orthodoxy: A Necessary Dialogue*, Bucarest 22-26 October: "Event, Covariance, and Evolution: Peirce and Whitehead's Philosophies in the Light of Modern Science"
- Organization of the Workshop at the Gregorian University, Rome 30 Sept.-1 Oct., about *The Controversial Relationships between Science and Philosophy: A Critical Assessment*; contribution on "The Problem of Information".
- Conference on the *Philosophical and Foundational Issues in Quantum Theory*, 1-5 Sept., Budapest: "The Problem of Information"
- 2004 • Conference on the "Pregiudizio a favore del reale: la teoria dell'oggetto di Alexius Meinong", 24-27 Nov., Urbino, discussant of Maurizio Ferraris' lecture on "The Social Objects".
- Conference on "Life and Its Origin", 12-14 Nov., Campidoglio (Rome): "A General Theory of Relations".
- 7-8 May, Louvain, workshop on *The Arrow of Time: Physics and Philosophy*, contribution on “Reversibility and Irreversibility in Quantum Mechanics”.
- 2003 Conference of Philosophy of Science (Dubrovnik, April), “The Problem of the Categorization Levels: A Pragmatistic Approach”.
- 2002 Conference on “How many Copenhagen?” (Cesena, 17th-19th Oct.), “The Complementarity Principle and its Experimental Verification”.
- 2001 Fifth Conference of the *International Quantum Structures Association* (Cesena, March the 31st- April the 5th), “The Fundamental Theorem of Measurement and Critical Examination of MWI and Decoherent Histories”.
- 2000 5th *International Conference on Quantum Communication, Measurement and Computing* (Capri, 3-8 July).
- 1999 Meeting on “Omnimoda determinatio and Individuation”, *Gregoriana* University.
- 1998 • Public seminar on ‘Quantum Information’, Department of Mathematics of *La Sapienza* University.
- Public seminar on ‘Quantum Information’, *Gregoriana* University.
- International Conference in Lecce about *The Foundations of Quantum Mechanics*, “Measurement, spontaneous transitions and interpretation of Quantum Mechanics”.
- 1996 Meeting on “Cartesian *cogito*”, *Antonianum* University.
- 1991 International Conference on "Operations mentales et théories linguistiques", University *Paris VII*, “Semiotics and Mind-Body Problem in Leibniz and Occasionalism”.

4. RESEARCH

4.1 Direction of and Participation to Research groups

- 2010- Direction of a Research project on Top-down causation in Biology with the Marburg Institute for Pharmacological Chemistry (R. Hartmann) and the Genetics Laboratory of Barcelona (E. Salò).
- 2009- Direction of a research project (*Experiment on Planarians Regeneration in Space*) together with the Genetics Laboratory of Barcelona (E. Salò, T. Adell): Approved by the European Space Agency, the goal is to study regeneration processes of planarians (flat worms) in microgravity conditions.
- 2008- Director of a project on consciousness an emergence of mental processes (*Neuroscience Approach to Top-Down Causation*), with the participation of M. Arbib, J. P. Changeux, A. and H. Damasio, M. Jeannerod, M. Raichle, W. Singer.
- 2007-2008 Director of a Research group on *Top-down causation in Biology*, with the participation of George Ellis, University of Cape Town, Luc Jaeger, University of California, Paolo D'Ambrosio, Pontifical Gregorian University.

4.2 Areas of Research

- Foundations and Interpretation of quantum mechanics.
- Quantum Information
- System Theory applied to Biological systems.
- Biology and cognition
- Philosophy of Evo-Devo.
- Top-down causation in biology and neurosciences
- Emergence of complexity
- Mathematical definition of complexity

5. AFFILIATION

European Low Gravity Research Association (ELGRA)

Linnean Society, London

International Society for Science and Religion, Cambridge

Italian Society for Logic and Philosophy of Science (SILFS)

International Quantum Structure Association

6. PUBLICATIONS

6.1 Books

- 13 *Integrated Cognitive Strategies in a Changing World* (in collaboration with I. Colagè, P. D'Ambrosio, and L. Torcal), Rome, G&B Press, 2011.
<http://www.gbpress.net/index.php/es/univers-gregoriana/analecta-gregoriana/1430-analecta-gregoriana.html>
- 12 *Biological Evolution: Facts and Theories: A Critical Appraisal after 150 years after "The Origin of Species"* (Ed. with M. Leclerc and R. Martinez), Rome, G&B Press, 2011.
<http://www.gbpress.net/index.php/gregorian/analecta-gregoriana/1339-biological-evolution-facts-and-theories.html>
- 11 *Cognitive Biology: Dealing with Information from Bacteria to Minds* (with a Foreword of Karl Friston), Oxford, University Press, 2011.
<http://ukcatalogue.oup.com/product/academic/physics/atomic/9780199608485.do?sortby=pubDate&view=Descend>
<http://www.amazon.com/Cognitive-Biology-Dealing-Information-Bacteria/dp/0199608482>
- 10 *Quantum Mechanics*, Cambridge, University Press, 2009 (with M. Fortunato and G. Parisi).
http://www.cambridge.org/gb/knowledge/isbn/item2327390/?site_locale=en_GB,
http://www.cambridge.org/gb/knowledge/isbn/item2327390/?site_locale=en_GB&display=genresources&anchor=true,
<http://www.gennaroauletta.net/erratacorridge.pdf>
Reviews: - *Times High Education*, 3 Dec. 2009.
http://www.amazon.com/Quantum-Mechanics-Gennaro-Auletta/product-reviews/0521869633/ref=dp_top_cm_cr_acr_txt?ie=UTF8&showViewpoints=1
- 9 *The Controversial Relations Between Science and Philosophy: New Opportunities for a Fruitful Dialogue* (Ed.), Vatican, Libreria Editrice Vaticana, 2008.
- 8 *The Controversial Relations Between Science and Philosophy: A Critical Assessment*, Vatican (Ed.), Libreria Editrice Vaticana, 2006, Ed.
- 7 *Introduzione alla logica*, Rome, Antonianum, 2002, 2nd ed. 2004
- 6 *Foundations and Interpretation of Quantum Mechanics. A Critical-Historical Analysis of the Problems and a Synthesis of the Results* (with a preface of Giorgio Parisi), Singapore, World Scientific, 2000, ps. XXXII + 981; rev. ed. 2001
Some Reviews: - Alastair Rae, *Europhysics Letters*, sept.-oct. 2001
- Vlatko Vedral, *Progress in Quantum Electronics* **25** (2001): 191-92
- Gianluca Introzzi, *Il nuovo sagggiatore* (Bollettino della società italiana di fisica) **18** (2002): 61
- Vincenzo Fano, *Isonomia* - e-magazine - (2002); *Epistemologia* **27**: 157-72
- Gianluca Introzzi, *Foundations of Physics* **32** (2002)
- Salvo d'Agostino, *Physis* **39** (2002): 373-76
- Georg Hülsenbeck, *Alpha Omega* 8 (2005):513-515
http://www.amazon.com/Foundations-Interpretation-Quantum-Mechanics-Critical-Historical/product-reviews/9810246145/ref=dp_top_cm_cr_acr_txt?ie=UTF8&showViewpoints=1
<http://www.physicsforums.com/showthread.php?p=3297584#post3297584>

- 5 G. Rodis-Lewis, *Descartes*, Calmann-Lévy, 1995, Ed. : Editori Riuniti, Roma, 1997.
- 4 Theodor G. Bucher, *Einführung in die angewandte Logik*, Berlin, de Gruyter, 1987; Ed.: Bologna, 1996.
- 3 *Determinismo e Contingenza. Saggio sulla filosofia leibniziana delle modalità* (with a preface of Vittorio Mathieu), Morano editore, Napoli, 1994, pp. 228
Reviews: - Gianluca Miligi, *La Cultura* 2 (August 1996): pp. 341-45
- Paola Vasconi, *Bulletin of Società filosofica italiana* 160 (1997): pp. 82-84.
- 2 Sylvain Auroux, *Barbarie et philosophie*, Parigi, Presse Universitaire de France, 1990, Ed.: Editori riuniti, Roma, 1993.
- 1 M. Mendelssohn, *Jerusalem*, Berlin, 1783; Ed.: Guida editori, Napoli, 1991.

6.2 Papers

- 57 “Correlations and Hyper-Correlations”, *Journal of Modern Physics* **2** (2011): 958-61.
<http://www.scirp.org/journal/PaperInformation.aspx?paperID=7135>
- 56 “A Mathematical Model of Complexity and Its Application to Chemotaxis”, *British Journal of Mathematics and Computer Science* **1** (2011): 204–227.
<http://www.sciencedomain.org/issue.php?iid=77&id=6>
- 55 “Functional Equivalence between Plant PRORP1 and Bacterial RNase P RNA Raises Questions on Control and Recognition Mechanisms”, *Journal of Computational Biology and Bioinformatics Research* **3** (2011): 63-64 (together with I. Colagè, G. Cook, P. D'Ambrosio, M. R. Fuentes, and A. Pinsent).
<http://www.academicjournals.org/JCBBR/PDF/pdf2011/2%20Sept/Auletta%20et%20al.pdf>
- 54 “Introduction”, in G. Auletta, M. Leclerc, R. Martinez (Eds.), *Biological Evolution: Facts and Theories: A Critical Appraisal after 150 years after “The Origin of Species*, Rome, G&B Press, 2011: pp. 11-18.
- 53 “From Wave-Particle to Features-Event Complementarity”, *International Journal of Theoretical Physics* **50** (2011): pp. 3654-3668 (together with L. Torcal).
<http://www.springerlink.com/content/p010178wk61r7111/fulltext.pdf>
- 52 “Teleonomy: The Feedback Circuit involving Information and Thermodynamic Processes”, *Journal of Modern Physics* **2.3** (2011): 136-45.
<http://www.scirp.org/journal/PaperInformation.aspx?paperID=4488>
- 51 “Finalismo, Disegno o Provvidenza?” (Finality, Design or Providence?), in Comitato per il Progetto Culturale della CEI (curatore), *Dio oggi: con Lui o senza di Lui cambia tutto*, Ed. Cantagalli, 2010: pp. 196-200.
- 50 “A Paradigm Shift in Biology?”, *Information* **1** (2010): 28—59.
<http://www.mdpi.com/2078-2489/1/1/28/>
- 49 “Highlights of the Pontifical Gregorian University’s International Conference on Biological Evolution”, *Theology and Science* **8** (2010): 7-15 (in cowork with W. Stoeger).
- 48 “Perché la scienza è importante per la filosofia?” (Why is Science Relevant for Philosophy?), *Gregorianum* **90** (2009): 335-54.
- 47 “Quantum Mechanics and Contingency”, *Filozofia Przyrody i Nauk Przyrodniczych* **1** (2009): 7-1.
- 46 "Einstein's Local Realism and the Realistic Interpretation of the Wave Function" (with M. Alai and G. Tarozzi), in C. Alunni, M. Castellana, D. Ria, and A. Rossi (Eds.), *Albert Einstein et Hermann Weyl 1955-2005. Questions épistémologiques ouvertes*, Manduria (TA), Barbieri Selvaggi, 2009: 33-49.
- 45 “What About the Three Forms of Inference?”, *Acta Philosophica*: **1.18** (2009): 59-74.
- 44 “La riflessione di Joseph Ratzinger sull’Evoluzione”, (Joseph’s Ratzinger’s Thoughts on Evolution) SRMedia, 2008: <http://www.srmedia.org/Default.aspx?tabid=157>
- 43 “How Many Causes Are There?”, *21^{mo} Secolo. Scienza e Tecnologia* **5** (2008):41-48.
- 42 “Top-Down Causation by Information Control: From a Philosophical Problem to a Scientific

- Research Program”, *Journal of the Royal Society: Interface* **5** (2008): 1159—72 (with G. Ellis e L. Jaeger)
- 41 “Biological Systems Integrating Information and Entropic Fluxes”, in G. Auletta (Ed.), *The Controversial Relations Between Science and Philosophy: New Opportunities for a Fruitful Dialogue*, Vatican, Libreria Editrice Vaticana, 2008: 27-42.
- 40 “Autarchy and Openess in Living Systems”, in G. Auletta (Ed.), *The Controversial Relations Between Science and Philosophy: New Opportunities for a Fruitful Dialogue*, Vatican, Libreria Editrice Vaticana, 2008: 17-25
- 39 “Science, Philosophy, and Religion Today: Some Reflections”, *Theology and Science* **5** (2007): 267-87.
- 38 “Quale realtà si può attribuire agli universali?” (Which Form of Reality May Be Attributed to Universal Concepts?), *Chora* **14** (2007): 15-20.
- 37 “Il dibattito tra Einstein, Bohr e Schrödinger: Causalità, determinazione e azione a distanza” (The Debate among Einstein, Bohr, and Schrödinger: Causality, Determination, and Action-at-a-Distance). *Il Protagora* **9** (2007):181-98.
- 36 "Information, Semiotics, and Symbolic Systems", *Semiotica* **166** (2007): 359-76
- 35 "Organisms as a New Class of Physical Systems", in Ramellini, Pietro (Ed.), *The Organism in Interdisciplinary Context: Proceedings of the STOQ Research Group on Organisms*, Vatican City, Libreria Editrice Vaticana, 2006: 87-97.
- 34 "The Lessons of Quantum Mechanics: Going Toward a New Ontology", in B. Nicolescu, M. Stavinschi (Eds.), *Science and Orodoxy, a Necessary Dialogue*, Bucharest, Curtea Veche Pub., 2006: 151-160.
- 33 "A New Arms Race: 'Evolutionism' is Now an Ideological Weapon, But Darwin's Own Formulation Was far More Sophisticated", *Science and Theology News* **6.11-12** (2006). <http://www.unigre.it/cssf/comuni/Dottorato e Ricerca/Forum/Niches and Theology.htm>
- 32 "Einstein, Bohr e Schrödinger: Un esempio di dibattito filosofico--scientifico"(Einstein-Bohr-Schrödinger Debate), *21^{mo} Secolo. Scienza e Tecnologia* **3** (2006): 43-46.
- 31 "Premeasurement vs. Measurement: A Basic Form of Complementarity" (with G. Tarozzi), in C. Garola, A. Rossi, and S. Sozzo (Eds.), *The Foundations of Quantum Mechanics: Historical Analysis and Open Questions*, Singapore, World Scientific, 2006: 40-47.
- 30 "The Ontology Suggested by Quantum Mechanics", in P. Valore (ed.), *Topics on General and Formal Ontology*, Monza, Polimetrica International Scientific Publisher. 2006: 161-79.
- 29 "The Problem of Information", in G. Auletta (ed.), *The Controversial Relations Between Science and Philosophy: A Critical Assessment*, Vatican City, Libreria Editrice Vaticana, 2006: 109-127.
- 28 "Negazione e cominciamento nella filosofia hegeliana" (Negation and Beginning in Hegel's Philosophy), *Pòlemos* (February 2006): 266-71.
- 27 "Realismo sociale, non realismo socialista! Commento a Maurizio Ferraris" (Social Realism and not Socialist Realism), in *Rivista di Estetica* **30** (2005): 181-85.
- 26 "Logic, Semiotics, and Language", *Croatian Jorunal of Philosophy* **5.13** (2005): 51-69.

- 25 "Quantum Information as a General Paradigm", *Foundations of Physics* **35**: 787-815.
- 24 "Quantum Information and Inferential Reasoning", *Foundations of Physics* **35** (2005): 155-69.
- 23 "Interpretazioni soggettivistiche della misurazione in meccanica quantistica", *Teorie e modelli* **9** (2004): 43-61.
- 22 "Decoherence and Triorthogonal Decomposition", *International Journal of Theoretical Physics* **43** (2004): 2263-64.
- 21 "On the Physical Reality of Quantum Waves", *Foundations of Physics* **34** (2004): 1675-94, Special Issue in Honor of F. Selleri (with Gino Tarozzi).
- 20 "Il principio di complementarità sottoposto a verifica sperimentale", in *Quanti Copenhagen? Bohr, Heisenberg e le interpretazioni della meccanica quantistica* (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", *Epistemologia* **27** (2004): 55-82: <http://www.uniurb.it/Filosofia/isonomia/CM.pdf>
- 18 "Wavelike Correlations versus Path Detection: Another Form of Complementarity", *Foundations of Physics Letters*, **17** (2004): 889-95 (with G. Tarozzi).
- 17 "Language, Sign and Representation: An Answer to Stewart, Laurent, Reboul, and Palma", *Intellectica* **36-37** (2003): 401-417.
http://www.intellectica.org/archives/n36_37/30.G%20Auletta.pdf
- 16 "Some Lessons of Quantum Mechanics for Cognitive Sciences", *Intellectica* **36-37** (2003): 293-317. http://www.intellectica.org/archives/n36_37/19.Gennaro%20Auletta.pdf
- 15 "How Quantum Mechanics Suggests New Insights in Metaphysics and Natural Theology", *Antonianum* **78** (2003): 705-710; rev. ed. under the title "The 'Triadic' Structure in Physics: New Insights for Metaphysics and Natural Theology", in C. L. Harper (ed.), *Spiritual Information*, Templeton Foundation Press, Philadelphia, 2005: 181-87.
- 14 "Is Representation Characterized by Intrinsicity and Causality?", *Intellectica* **35** (2002): 83-113: http://www.intellectica.org/archives/n35/35_3_Auletta.pdf
- 13 "Dio è garante di un certo ordine mondano?", *Antonianum* **76.1** (2001): 193-96.
- 12 "An Outline of an Interpretation of Quantum Mechanics", in Garola/Rossi (eds), *The Foundations of Quantum Mechanics. Historical Analysis and Open Questions*, Singapore, World Scientific, 2000: pp. 31-49.
- 11 "L'informazione in meccanica quantistica" [Information in Quantum Mechanics], in B. Continenza and E. Gagliasso (eds.) *L'informazione nelle scienze della vita*, Milano, Franco Angeli, 1998: pp. 163-72.
Review: Aldo Fasolo in *Le Scienze* (italian ed. of *Scientific American*) **373** (1999): pp. 116-17.
- 10 "Il problema della scelta di Dio. Un breve esame di una tesi di Leibniz alla luce delladiscussione medievale", *Antonianum* **73** (1998): pp. 329-44.
- 9 "Spinoza: una mistica al di là del discorso razionale", in A. Molinaro/E. Salmann

(eds.), *Filosofia e Mistica*, Roma, Centro Studi S. Anselmo, 1997: pp. 207-213.

- 8 “Alcuni appunti sulla semiotica leibniziana”, in Gambarara/Gensini/Pennisi (eds.), *Language Philosophies and the Language Sciences*, Münster, Nodus Publikationen, 1996: pp. 129-32.
- 7 "Providence", in *Dictionnaire Théologique*, Presse Universitaire de France, Paris, 1996.
- 6 “Libertà umana, Preveggenza e predestinazione: un breve esame critico della dottrina di Duns Scotus”, in *Miscellanea for Prof. Studer*, Editrice Anselmiana, Roma, 1995: pp. 287-300.
- 5 “Il rapporto tra i concetti di possibile ed esistente nel quadro della teoria leibniziana dei mondi possibili”, *Filosofia* **45.3** (1994): pp. 275-89 [Leibniz Bibliography: 1994]
- 4 “Sémiotique et problématique corps-esprit chez Leibniz et les occasionnalistes”, *Histoire Epistémologie Langage*, **14.2** (1992): pp. 85-106.
- 3 “L'argomento Ontologico. Un convegno internazionale” *Cultura e Scuola* **116** (1991), pp. 305-313.
- 2 “Leibniz e la prova modale dell'Essere necessario”, *Atti del Convegno sull'Argomento Ontologico* (ed. M. M. Olivetti), Padova 1991, pp. 237-46 [Leibniz Bibliography: 1990]
- 1 “Moses Mendelssohn”, in *Handbook of Metaphysics and Ontology*, Philosophia Verlag, München, 1991

6.3. Reviews

- 3 Jacques Arnould, *Les Moustaches du diable*, Paris, Cerf, 2003, pp. 224, su *Gregorianum* **86** (2005): 198-99.
- 2 Alexius Meinong, *Teoria dell'oggetto* (a cura di V. Raspa), Edizioni Parnaso, Trieste, 2002, pp. 360, su *Epistemologia* **27** (2004): 167-170.
- 1 Tobias Hoffmann, *Creatura Intellectica, Die Ideen und Possibilien bei Duns Scotus mit Ausblick auf Franz von Mayronis, Poncius und Masrtrius*, Münster, Aschendorff Verlag, 2002, 356 pp., su *Antonianum* **78** (2003).

6.4 Papers on Popular Journals

- 2 Newspaper *Avvenire*, 2009, October the 18th, “Scienza, Filosofia e Teologia: Un confronto possibile”.
- 1 Newspaper *Sole 24 ore*, 6 aprile 2008, “L'evoluzione dei viventi”.

6.5 Interviews

- 6 *National Catholic Register*, April 2009.
- 5 *L'Osservatore Romano*, March the 1st, 2009: <http://paparatzinger2-blograffaella.blogspot.com/2009/03/colloquio-con-gennaro-auletta-la-falsa.html>

- 4 *Poblet: ipotesi per un nuovo concetto di specie (Hypothesis towards a new concept of biological species)*, July 2008: <http://www.srmedia.org/Default.aspx?tabid=137>
- 3 *L'eco di Bergamo*, 2007, October the 16th, p. 38.
- 2 Venerdì di *La Repubblica*, 2006, July the 14th, Luigi Bignami pp. 70-73.
- 1 *Quotidiano Avvenire*, Luigi dell'Aglio, 2004, Novembre the 25th.