Marcello D'Agostino

CONTACT INFORMATION	Department of Philosophy University of Milan Via Festa del Perdono, 7 20122 Milano, Italy

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CITIZENSHIP	ITALIAN

RESEARCH INTERESTS	Classical and Non-Classical Logics, Automated Reasoning, Computational Complexity, Measurement Theory, Philosophy of Probability, Philosophy of Information, Economic theory.

EDUCATION

Università di Palermo, Palermo, Italy
Laurea in Filosofia (Master Degree), University of Palermo, 1982
Thesis Title: *Leibniz and the Calculus: a Case Study in the Growth of Mathematical Knowledge*

University of Oxford, Oxford, UK
D.Phil. (Ph.D), Computing Laboratory, 1992
Thesis Title: *Investigations into the Complexity of Some Propositional Calculi*

SCHOLARSHIPS

Scholarship of the Italian Ministry of Education for postgraduate studies in foreign universities	1986–1989
CNR-NATO Grant (Advanced Fellowship Program)	1989-1990

ACADEMIC APPOINTMENTS

Research Fellow, Research Associate, Research Assistant Deparment of Computing, Imperial College, London, UK	1991-1996
Assistant Professor Dipartimento di Scienze Umane, Università di Ferrara	1996–2005
Qualification as Full Professor of Logic and Phil. of Sci. Italian Ministry of Education	2001
Full Professor of Logic and Philosophy of Science Università di Ferrara	1 January 2005 to 30 September 2015
Full Professor of Logic Università degli studi di Milano	1 October 2015 to present
Director of the Degree in Communication Sciences Università di Ferrara	2005–2006
Vice-Dean of the Faculty of Humanities Università di Ferrara	2005–2007
Dean of the Faculty of Humanities Università di Ferrara	2007–2010
Visiting Professor Department of Informatics, King's College, London	March-December 2011
President of the University Research Council Università di Ferrara	December 2014 to September 2015

Current editorial duties	Member of the editorial board of the following journals:	
	• IFCOLOG *Journal of Logics and their Applications. College Publications, London*	2014 to present
	• *Philosophy and Technology*, Springer	2015 to present
	• *Journal of Logic and Computation*, Oxford University Press	2015 to present
	Co-editor (with M. Dorato and R. Giuntini) of the *SILFS series* (http://www.collegepublications.co.uk/silfs/), College Publications, London	2010 to present

Recent invited talks

- "Logiche a profondità limitata per agenti non-ideali". Convegno: *Approcci formalizzati ed empirici fra fisica, biologia e scienze cognitive.* Alghero 9-10 luglio 2015.

- "Analytic Inference and the Informational Meaning of the Logical Operators". Center for Logic, Language and Cognition, Università di Torino, 5 February 2015.

- "An Informational View of Classical Logic". Department of Computing, Imperial College, London, 29 January 2015.

- "Informational Semantics and the Problem of Logical Omniscience". Dipartimento di Filosofia, Università di Bologna, 15 May 2014.

- "La logica nelle scienze sociali". XXV incontro dellAssociazione Italiana di Logica e sue Applicazioni. Scuola Normale Superiore Pisa, 17 April 2014.

- "Degrees of logical competence." Keynote speaker. Conference: *Natural Cognition*, University of Macau, 15 December 2013.

- "Depth-Bounded Boolean Logics". Keynote speaker. Conference: *8th Workshop on Logical and Semantic Frameworks with Applications.* University of Sao Paulo, 3 September 2013.

- "L'insostenibile leggerezza della logica". *83º corso di orientamento universitario.* Università degli studi di Trento e Scuola Normale Superiore, Pisa, 28 August, 2013.

- "Analytic inference and informational semantics". Dipartimento di Filosofia, Scuola Normale Superiore, Pisa, 22 April 2013.

- "Analytic inference and informational semantics". Dipartimento di Filosofia, Università degli Studi di Milano, 22 March 2013.

Recent publications

[1] M. D'Agostino. "The philosophy of mathematical information". To appear in the *Routledge Handbook of Philosophy of Information.* 2016.

[2] M. D'Agostino and D.M. Gabbay. *Feasible Deduction for Realistic Agents.* Vol. 1. London: College Publications, 2016.

[3] G. Boniolo et al. "Adding Logic to the toolbox of molecular biology". In: *European Journal for Philosophy of Science* 5.3 (2015), pp. 399–417.

[4] M. D'Agostino. "An informational view of classical logic". In: *Theoretical Computer Science* 606 (2015), pp. 79–97. DOI: http://dx.doi.org/10.1016/j.tcs.2015.06.057.

[5]   M. D'Agostino. "La logica nelle Scienze Economiche e Sociali". In: *Le Direzioni della Ricerca Logica in Italia*. Ed. by H. Hosni, G. Lolli, and C. Toffalori. Pisa: Edizioni della Scuola Normale, 2015, pp. 117–142.

[6]   M. D'Agostino and L. Floridi. "Towards a more realistic theory of semantic information". In: *Handbook of the 5th World Congress and School on Universal Logic. UNILOG 2015*. Ed. by J-Y. Beziau and A. Buchsbaum. Extended Abstract. University of Istanbul, Turkey. 2015, pp. 221–227.

[7]   M. D'Agostino, H. Hosni, and T. Flaminio. "Depth-bounded probability logic: a preliminary investigation". In: *Handbook of the 5th World Congress and School on Universal Logic. UNILOG 2015*. Ed. by J-Y. Beziau and A. Buchsbaum. Extended Abstract. University of Istanbul, Turkey. 2015, pp. 234–235.

[8]   M. D'Agostino. "Analytic Inference and the Informational Meaning of the Logical Operators". In: *Logique et Analyse* 227 (2014), pp. 407–437.

[9]   M. D'Agostino. "Informational Semantics, Non-deterministic Matrices and Feasible Deduction". In: *Electronic Notes in Theoretical Computer Science* 305 (2014), pp. 35–52. URL: http://dx.medra.org/10.1016/j.entcs.2014.06.004.

[10]   M. D'Agostino and M. Carapezza. "La logica e il mito del linguaggio perfetto". In: *L'uso dei simboli dall'antichità al mondo contemporaneo*. Pisa-Roma: Fabrizio Serra Editore, 2014, pp. 105–124.

[11]   M. D'Agostino, M. Piazza, and G. Pulcini. "A logical calculus for controlled monotonicity". In: *Journal of Applied Logic* 12 (2014), pp. 558–569. URL: http://dx.medra.org/10.1016/j.jal.2014.08.001.

[12]   G. Boniolo et al. "A logic of non-monotonic interactions". In: *Journal of Applied Logic* 11 (2013), pp. 52–62. URL: http://dx.medra.org/10.1016/j.jal.2012.09.002.

[13]   M. D'Agostino. "DEDUCTION". In: *Encyclopedia of Philosophy and the Social Sciences*. Vol. 1. Los Angeles/London/New Deli: SAGE Publications, 2013, pp. 188–189.

[14]   M. D'Agostino. "Depth-Bounded Logic for Realistic Agents". In: *Logic and Philosophy of Science* XI (2013), pp. 3–57.

[15]   M. D'Agostino. "Semantic Information and the Trivialization of Logic: Floridi on the Scandal of Deduction". In: *Information* 4 (2013), pp. 33–59. URL: http://dx.medra.org/10.3390/info4010033.

[16]   M. D'Agostino, M. Finger, and D.M. Gabbay. "Semantics and proof-theory of depth-bounded Boolean logics". In: *Theoretical Computer Science* 480 (2013), pp. 43–68. URL: http://dx.medra.org/doi:10.1016/j.tcs.2013.02.014.

[17]   J. Pitt, J. Schaumeier, and M. D'Agostino. "Modelling resource allocation in open embedded systems". In: *Logic and Philosophy of Science* 9 (2011), pp. 1–15.

[18]   G. Boniolo, M. D'Agostino, and P. Di Fiore. "Zsyntax: A Formal Language for Molecular Biology with Projected Applications in Text Mining and Biological Prediction". In: *Plos One* 5 (2010), pp. 1–12. URL: http://dx.medra.org/10.1371/journal.pone.0009511.

[19]   M. Carapezza and M. D'Agostino. "Logic and the Myth of the Perfect Language". In: *Logic and Philosophy of Science* 8 (2010), pp. 1–29.

[20]   M. D'Agostino. "Tractable Depth Bounded Logics and the Problem of Logical Omniscience". In: *Probability, Uncertainty and Rationality*. Pisa: Edizioni della Scuola Normale Superiore, 2010, pp. 245–275.

[21]   M. D'Agostino and C. Sinigaglia. "Epistemic accuracy and subjective probability." In: *EPSA Epistemology and Methodology of Science*. Madrid: Springer-Verlag, 2010, pp. 95–105.

[22]   M. D'Agostino et al., eds. *New Essays in Logic and Philosophy of Science.* London: College Publications, 2010.

[23]   M. D'Agostino and V. Dardanoni. "The measurement of rank mobility". In: *Journal of Economic Theory* 144 (2009), pp. 1783–1803. URL: http://dx.medra.org/10.1016/j.jet2008.11.003.

[24]   M. D'Agostino and V. Dardanoni. "What's so special about Euclidean distance? A characterization with applications to mobility and spatial voting". In: *Social Choice and Welfare* 33 (2009), pp. 211–233. URL: http://dx.medra.org/10.1007/s00355-008-0353-5.

[25]   M. D'Agostino and L. Floridi. "The enduring scandal of deduction. Is propositional logic really uninformative?" In: *Synthese* 167 (2009), pp. 271–315. URL: http://dx.medra.org/10.1007/s11229-008-9409-4.

[26]   M. D'Agostino, M. Finger, and D.M. Gabbay. "Cut-Based Abduction". In: *Logic Journal of the IGPL* 16 (2008), pp. 537–560. URL: http://dx.medra.org/10.1093/jigpal/jzn020.