

Curriculum Vitae PhD Riccardo Manzotti



Position

Professor in Theoretical Philosophy at IULM University (Milan)
H-Index (2017/05): 16

IULM University

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Personal Data

Date and birth place: 10th August 1969, Parma (Italy)

Language Skills

Italian	Mother Tongue
English	Fluent spoken and written

Scientific Career

Milano	Associate Professor in Theoretical Philosophy , IULM University, Milan	2017
Cambridge (Mass)	Fulbright Visiting Scholar at Department of Linguistic and Philosophy, MIT, Cambridge (Mass).	2004
Milano	Assistant Professor in Psychology , Institute of Communication and Behavior "G. Fabris", IULM University, Milan	2004
Genova	Research associate in robotics , DIST, Department of Computer Science and Bioengineering, University of Genova, Italy.	2000
Genova	Degree in Philosophy (final mark 110/110, <i>magna cum laude</i>), Faculty of Philosophy, University of Genova on "Intentionality: From Brentano to Teleofunctionalism"	2004
Chicago	Visiting researcher at the Motor Learning and Biorobotics Laboratory – Northwestern University, Chicago, Illinois.	2003
Genova	PhD in Robotics (December 2000). University of Genova. Final thesis on "An Architecture for Intentional robots".	2000
Barneveld (NL)	BAAN Enterprise , Dynamic Enterprise Modeler (DEM) expert.	1996-1998
Milano	MASTER MIP (with honor) in Production and Control Engineering 1995/1996, with special mention, Consortium MIP, Polytechnic of Milan, 1996.	1995-1996
Genova	Electronic Engineering Degree (final mark 110/110, <i>magna cum laude</i>), Faculty of Electronic Engineering, University of Genova. Final project: "Control of an anthropomorphic vision system".	1994
Parma	Scientific High school (60/60 with honor), Institute "E.Fermi", Borgo Val di Taro (PR).	1988

Formalized Projects

2013-2014 Cambridge (Mass, US)	Fulbright Visiting Scholar at the Department of Linguistic and Philosophy (MIT), Chair Alex Byrne on the topic of "Externalism, perception and the conscious mind".
2009-2011 Daejeon (Korea)	Key person in the Bilateral project Italy-Korea on "Brain inspired conscious-like artificial agent" between Brain Lab, KAIST (Korea) and CNR (Council of National Research, Italy)
2001-2004 Genova (I)	Key person and main proposer of ADAPT (Artificial Development Approach to Presence Technologies), a project part of the PRESENCE, a FET Proactive Initiative, Information Society Technologies Programme (IST). Contract no.: IST-2001-37173

Awards and other research activities

- Since 2009 **Scientific organizer** of an yearly cycle of conferences at Palazzo Ducale (Genova) on Neuroscience and Society.
- 2008 **Organizer** of an international ESF Workshop on "Neuroesthetics. Where art and the brain collide.", September, IULM University
- 2008 Co-Editor of a special issue on "AI and Consciousness" of *Journal of Artificial Intelligence and Medicine*.
- 2008 Co-Editor of a special issue on "Cognitive Science and Consciousness" on *Sistemi Intelligenti*
- 2007 **Winner of ESF - Young Researchers** "Disciplines and Borders: Humanities research in an age of interdisciplinarity", Lisbon.
- November 2005 **Co-organizer** of the "International Workshop on Artificial Consciousness" (IWAC 2005), Computer Science Department, University of Palermo (Italy)
- 2003 **Winner of a CNR-NATO grant** for doing research at the Motor Learning and Biorobotics Laboratory, Northwestern University, Chicago (Illinois)
- 2002 **Winner of 'Patron' award**, Bioengineering School, Bressanone (Italy)
- 2002 **Winner of a MURST grant** (nota ministeriale 1707, "Progetto Giovani Ricercatori") to develop a research with the title "Realizzazione di un esperimento mirato alla misura di comportamenti coscienti in un robot (Implementation and design of an experiment to measure conscious behaviors in a robot)"
- 1994 **Trinity College, Dublin. COMETT project:** "From coarse to fine granularity: a parallel approach to computer vision".

Teaching

since 2015	Psychology of Comunicazione (48 hrs)	First Cycle Degree, Faculty of Communication, IULM University
since 2008	Psychology of Art and Perception (48 hrs)	Second Cycle Degree, Faculty of Arts, IULM University
since 2008	Neuroscience of Perception and Cognition (48 hrs)	Second Cycle Degree, Faculty of Arts, IULM University
since 2007	Cognitive Sciences, Philosophy of Mind, Models of Cognition, Perception	PhD School, Faculty of Communication, IULM University
2008-2012	Course: Neuroscience and philosophy of mind	Department of Engineering University of Genoa

Invited Lectures and Tutorials (selected)

- December 2014 Invited talk "Hallucinations as perception of gerrymandered objects", *LLAMM, MIT, Department of Linguistic and Philosophy*.
- December 2014 Invited talk on The Spread Mind, *EMPAC, Rensselaer Institute, Troy (NY)*
- October 2012 Workshop on "Machine Consciousness, past present and future", *IEEE conference SMC2012, Seoul, South Korea*
- December 2011 Invited talk on "Does situated consciousness reveal something about the physical world?", *Shalem Center conference on Psycho-Ontology, Jerusalem*
- November 2010 Invited talk on «Does the feeling of being alive entail a special feeling or rather a special object? at the *Workshop about Feelings of Being Alive, Akademie Der Wissenschaften, Berlin*
- December 2008 Invited symposium at the APA 2008 Eastern Meeting by the Society for Machines and Mentality on "Theoretical foundations of Machine Consciousness", Philadelphia.
- May 2008 Invited Lecture at the II Science and Art Symposium (2008), Museu Nacional Soares dos Reis (Porto) on "Cognitive Processes and aesthetic experience", Portugal
- February 2007 Brown Bag Lecture at the AI-Lab, Department of Informatics, University of Zurich on "Externalist approaches to the conscious mind", Zurich
- August 2005 Open Plenary Session del TSC 2005 (Towards a Science of Consciousness), Copenhagen (DK)
- June 2004 Invited lecture on "An outline of an alternative view of representation and conscious perception" at the "Laboratory of Neurology Festival of Consciousness", Institute of Neurology, Wellcome Department of Cognitive Neurology, University College London.
- December 2003 Invited lecture on "The mind and the rainbow: a model for consciousness" at the Rehabilitation Institute of Chicago, Northwestern University, Chicago
- August 2003 Invited lecture on "Robots and intentionality" at the V EBICC, Encontro Brasileiro – Internacional de Ciência Cognitiva, Sociedade Brasileira de Ciência Cognitiva – Campus Marília, Universidade Estadual Paulista, Faculdade de Filosofia e Ciências.
- February 2003 Brown Bag Lecture on "The ontogenesis of consciousness" at the AI-Lab, Department of Informatics, University of Zurich.
- March 2002 Invited lecture on "A process based approach to intentionality" at the Laboratoire de Psychologie Expérimentale, Centre National de Recherche Scientifique, Université René Descartes, Paris, France

Publications

Books

1. Manzotti, R. (forthcoming), *A mind-object identity theory. Beyond externalism*. John Benjamins.
2. Manzotti, R. (2011) (Ed.), *Situated Aesthetics*, Thorverton (UK), Imprint Academic.
3. Manzotti, R. and V. Tagliascio (2008), *L'esperienza. Perché i neuroni non spiegano tutto*. Milano, Codice.
4. Chella, A. and R. Manzotti (2007) (Eds). *Artificial Consciousness*. Thorverton (UK), Imprint Academic.
5. Manzotti, R. (2006), *Psicologia della percezione artistica*. Milano, Arcipelago Edizioni.
6. Villamira, M. A. and R. Manzotti (2004), *Comunicazione e sistemi. Psicologia della complessità*. Milano, FrancoAngeli.
7. Manzotti, R. and V. Tagliascio (2001), *Coscienza e Realtà. Una teoria della coscienza per costruttori e studiosi di menti e cervelli*. Bologna, Il Mulino.

Selected Papers and book chapters

8. Manzotti, R. (2016). Una teoria dell'identità mente-oggetto in *Reti, Saperi, Linguaggi*, 2016.
9. Manzotti, R., (2016). A Perception-Based Model of Complementary Afterimages in *SAGE Open*, 12(1): 1-10
10. Manzotti, R., (2016). Objectbound: A Mind-Object Identity Theory, in *APA Newsletter on Philosophy and Computers*, 16(1), 24-31.
1. Manzotti R, Jeschke S. (2016), A Causal Foundation for Consciousness in Biological and Artificial Agents. In *Cognitive System research*. 2016.
2. Manzotti R, Chella A. (2016) The Causal Roots of Integration and the Unity of Consciousness. In: Poznanski RR, Tuszynsky JA, Feinberg TE, editors. *Biophysics of Consciousness*. Singapore: World Scientific; 2015. p. 189–229.
3. Manzotti, R. (2016). No Evidence that Pain is a Painful Neural Process, in *Animal Sentience. An Interdisciplinary Journal on Animal Feeling*, 2016:1(3),1-4
4. Manzotti, R. (2016). Experiences are Objects. Towards a Mind-object Identity Theory, in *Rivista Internazionale di Filosofia e Psicologia*, 7(1), pp. 16-36.
5. Manzotti, R. (2015). Negative afterimages as locally filtered perception, in *Trieste Symposium on Perception and Cognition*, pp. 21–22.
6. Manzotti, R., Jeschke, S. (2015). From the Perspective of Artificial Intelligence: A New Approach to the Nature of Consciousness. *International Journal of Advanced Research in Artificial Intelligence*, 3(12), 1–12.
7. Manzotti, R. (2014). Galileo Debunked: A Neutral Foundation for Nature. *Teoria*, 57–74.
8. Manzotti, R., Moderato, P. (2014). Intentional change, intrinsic motivations, and goal generation. *The Behavioral and Brain Sciences*, 37(4), 431–432.

9. Manzotti, R., Mutti, F. (2014). Verso una naturalizzazione della «consapevolezza agentiva»: problemi teorici e possibile modello robotico. *Sistemi Intelligenti*, 26(1), 119–140.
10. Manzotti, R., Chella, A. (2014). Physical integration: A causal account for consciousness. *Journal of Integrative Neuroscience*, 13(2), 1–25.
11. Manzotti, R., Moderato, P. (2013). Neuroscience: Dualism in Disguise. In A. Lavazza & H. Robinson (Eds.), *Contemporary Dualism* (81–97). New York: Routledge.
12. Manzotti, R., Pepperell, R. (2013). "Denying the content–vehicle distinction: a response to 'The New Mind Revisited'". in *AI & Society*, 28(2), 1–4
13. Lavazza, A., Manzotti, R. (2011/13), "A New Mind for a New Aesthetics", in *Revista Portuguesa de Filosofia*, 67(3), 501-524
14. Lavazza, A., Manzotti, R. (2013). "An externalist approach to creativity: discovery versus recombination". in *Mind & Society*, 12(1), 61–72.
15. Manzotti, R. (2013). "Machine Consciousness: A Modern Approach". in *Natural Intelligence: the INNS Magazine*, 2(1), 7–18.
16. Manzotti, R. (2013). "Spogliarsi dell'abito galileiano. Un'ontologia basata sull'identità tra rappresentazione e rappresentato". In R. Poli (Ed.), *Prospettive ontologiche. Realismi a confronto* (113–140). Brescia: Morcelliana.
17. Lavazza A, Manzotti R. (2013) "A New Mind for a New Aesthetics" in *Revista Portuguesa De Filosofia*. 67(3):501–24.
18. Manzotti R. (2012), "The Computational Stance Is Unfit for Consciousness" in *International Journal of Machine Consciousness*; 4(2):401–20.
19. Manzotti R. (2012), "An Externalist Approach to Existential Feelings: Different Feelings or Different Objects?" in J. Fingerhut and S. Marienberg (a cura di), *Feelings of Being Alive*, Berlin, De Gruyter: 79-100.
20. Chella, A. and R. Manzotti (2012), "AGI and Machine Consciousness" in *Theoretical Foundations of Artificial General Intelligence*, 4: 263-282.
21. Manzotti, R. (2012), "Do Objects Exist or Take Place?" in *APA Newsletter on Philosophy and Computers*, 11(2): 31-46.
22. Amoretti, C. and R. Manzotti (2012), "Esternalismi" in *Rivista di Filosofia*, 103(1): 41-68.
23. Manzotti, R. and P. Moderato (2012), "Mente estesa: una rivoluzione a metà?" in *Sistemi Intelligenti*, 24(1): 65-72.
24. Manzotti, R. and R. Pepperell (2012), "The New Mind: thinking beyond the head" in *AI & Society. Knowledge, Culture and Communication*, 24(1).
25. Chella, A. and R. Manzotti (2011), "Il Jazz e la coscienza artificiale" in *Disc. Filosofiche*, 21(1): 57-71.
26. Manzotti, R. (2011), "Is Consciousness Just Conscious Behavior" in *International Journal of Machine Consciousness*, 3(2): 353-360.
27. Manzotti, R., (2011), "The Spread Mind: Phenomenal Process-Oriented Vehicle Externalism" in M. Blamauer, Ed., *The Mental as Fundamental. New Perspectives on Panpsychism*, Frankfurt, Ontos-Verlag: 79-98.
28. Manzotti, R., (2011), "Where is information?" in *APA Newsletter on Philosophy and Computers*, 10(2): 14-21.

29. Manzotti, R., (2011), "Machine Free Will: Is Free Will a Necessary Ingredient of Machine Consciousness?" in C. Hernandez, R. Sanz, J. Gomez-Ramirez et al, Eds, *From Brains to Systems*, Dordrecht, Springer: 81-89.
30. Manzotti, R., (2011), "The Spread Mind. Is Consciousness Situated?" in *Teorema*, 30(2): 55-78.
31. Manzotti, R., (2011), "The Spread Mind. Seven Steps to Situated Consciousness" in *Journal of Cosmology*, 14: 4526-4541.
32. Manzotti, R., (2011), "Aesthetics and externalism" in R. Manzotti, Ed., *Situated Aesthetics. Art Beyond the Skin*, Exeter, Imprint Academic: 16-35
33. Manzotti, R. and P. Moderato, (2010), "Is Neuroscience the Forthcoming 'Mindscience'?" in *Behaviour and Philosophy*, 38, 1-28
34. Manzotti, R., (2010), "There are no Images (to Be Seen) or The Fallacy of the Intermediate Entity" in *APA Newsletter on Philosophy and Computers*, 9(2): 59-66.
35. Manzotti, R. (2010), "Libertà nella natura" in *Philosophical News*, 1(1): 55-68.
36. Manzotti, R., (2010), "Tempo, Memoria e Percezione" in V. Gessa Kurotschka, R. Diana and M. Boninu, Eds, *Memoria, fra neurobiologia, identità, etica*, Milano, Mimesis.
37. Manzotti, R. (2010), "A Process-oriented Framework for Goals and Motivations in Biological and Artificial Agents" in R. Poli (a cura di), *Causality and Motivation*, Frankfurt, Ontos-Verlag: 105-134.
38. Manzotti, R., (2009), "No Time, No Wholes: A Temporal and Causal-Oriented Approach to the Ontology of Wholes." in *Axiomathes*, 19: 193-214.
39. Manzotti, R., (2009), "Does Process Externalism Entail Panpsychism?" in D. Skrbina, Ed., *Minds that abides. Panpsychism in the new millenium*, Amsterdam, John Benjamins Pub.: 201-220.
40. Manzotti, R., (2009), "A Relational Process-Oriented View of Physical Reality as a Foundation of the Conscious Mind" in *Transdisciplinarity in Science and Religion*, 6: 299-324.
41. Chella, A. and R. Manzotti, (2009), "Machine Consciousness: A Manifesto for Robotics." in *International Journal of Machine Consciousness*, 1(1): 33-51.
42. Manzotti, R., (2009), "Correlati fisici della coscienza: più estesi del corpo e del sistema nervoso?" in *Paradoxa*, III(4): 88-99.
43. Manzotti, R., (2009), "La memoria è percezione del passato?" in *Prometeo*, 27(108): 76-85.
44. Buttazzo, G. and R. Manzotti, (2008), "Artificial consciousness: Theoretical and practical issues." in *Artificial Intelligence in Medicine*, 44: 79-82.
45. Manzotti, R., (2008), "From Consciousness to Machine Consciousness." in *Proceedings and Addresses of the American Philosophical Association*, 82(1): 54.
46. Manzotti, R., (2008), "A process oriented externalist solution to the hard problem." in *The Reasoner*, 2(6): 13-20.
47. Manzotti, R., (2008), "A Process-Oriented View of Qualia" in E. Wright, Ed., *The Case for Qualia*, Cambridge (Mass.), MIT Press: 175-190.
48. Manzotti, R. and V. Tagliasco, (2008), "Artificial Consciousness: A Discipline Between Technological and Theoretical Obstacles." in *Artificial Intelligence in Medicine*, 44(2): 105-118.
49. Manzotti, R. and V. Tagliasco, (2008), "L'esperienza: più estesa del sistema nervoso." in *Sistemi Intelligenti*, 20(3): 405-432.

50. Manzotti, R., (2007), "Towards Artificial Consciousness." in *APA Newsletter on Philosophy and Computers*, 7(1): 12-15.
51. Manzotti, R., (2006), "An alternative process view of conscious perception." in *Journal of Consciousness Studies*, 13(6): 45-79.
52. Manzotti, R., (2006), "Brentano's immanent realism." in *Mind and Matter*, 4(1): 115-119.
53. Manzotti, R., (2006), "Consciousness and existence as a process." in *Mind and Matter*, 4(1): 7-43.
54. Manzotti, R., (2006), "A radical externalist approach to consciousness: the enlarged mind" in A. Batthyany and A. Elitzur Eds, *Mind and Its Place in the World. Non-reductionist Approaches to the Ontology of Consciousness*, Frankfurt, Ontos-Verlag: 197-224.
55. Manzotti, R. and V. Tagliascio, (2006), "Libertà e coscienza: un approccio basato sul processo." in *Sistemi Intelligenti*, XVIII(2): 259-281.
56. Manzotti, R., (2005), "A radical externalist approach to consciousness: the enlarged mind" in A. Batthyany and A. Elitzur, Eds, *Mind and Its Place in the World. Non-reductionist Approaches to the Ontology of Consciousness*, Frankfurt, Ontos.
57. Manzotti, R., (2005), "The What Problem: Can a Theory of Consciousness be Useful?" in P. Lang, Ed., *Yearbook of the Artificial*, Berna: 132-144.
58. Manzotti, R. and V. Tagliascio, (2005), "From "behaviour-based" robots to "motivations-based" robots." in *Robotics and Autonomous Systems*, 51(2-3): 175-190.
59. Manzotti, R. and V. Tagliascio, (2004), "Rappresentazione ed esistenza." in *Sistemi Intelligenti*, XVI(1): 34-74.
60. Manzotti, R., (2003), "A process based architecture for an artificial conscious being" in J. Seibt, Ed., *Process theories*, Dordrecht, Kluwer Academic Press(Process Theories: Crossdisciplinary studies in dynamic categories): 285-312.
61. Manzotti, R., (2002), "Why Physicalism and Constructivism Will Never be Able to Understand the Mind." in *Psycoloquy*, 13(6).
62. Manzotti, R. and G. Sandini, (2002), "What does isomorphism mean?" in *Behavioral and Brain Sciences*, 24.
63. Manzotti, R. and V. Tagliascio, (2002), "Si può parlare di coscienza artificiale?" in *Sistemi Intelligenti*, XIV(1): 89-108.
64. Manzotti, R., A. Gasteratos, et al., (2001), "Disparity estimation in log polar images and vergence control." in *Computer Vision and Image Understanding*, 83(2): 97-117.
65. Manzotti, R. and G. Sandini, (2001), "Does Functionalism really deal with the phenomenal side of experience?" in *Behavioral and Brain Sciences*, 24(5): 994-994.

Milano, May 2017

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