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## Personal

Born on January 14, 1987.

Fluent in Italian, English and French (spoken and written).

Citizenship: Italian, US.

## Current Positions and Appointments

*Postdoctoral Fellow in Philosophy of Science & Adjunct Professor of Cognitive Philosophy* at the Department of Humanities, Philosophy Section, University of Pavia, Pavia, Italy (since June 2014).

*Visiting Researcher (Sabbatique Invité) & Teaching Assistant* at Paristech Télécom, Paris, France.

*Qualified for the position of associate professor in the French University system (Qualification):* Section 72, Epistemology, history of science and technologies. Qualification number 17272303377.

## Education & Previous Positions

*Visiting Scholar (Post-Doctorant Hébergé)* at Ecole Normale Supérieure, Centre Cavallès, Paris, France (September – December 2014).

Ph.D. in Philosophy, 2010-2013, Department of Humanities, Philosophy Section, University of Pavia. Supervisor: Prof. Lorenzo Magnani. Title of the thesis: *Nicchie cognitive, immunizzazioni epistemiche e razionalità scientifica nella cognizione umana. (Cognitive niches, epistemic immunizations and scientific rationality in human cognition)*. Judgement issued by the final evaluating commission (Claudia Casadio, Andrea Bottani, Laura Paganini): Excellent. *PhD awarded in March, 2014.*

Master's Degree in Philosophy (Laurea Specialistica in Teorie Filosofiche), full marks and honor, July 2010. Supervisor: Prof. Lorenzo Magnani; Co-supervisor: Prof. Annibale Zambarbieri. Title of the dissertation: *The Role of Abductive Cognition in the Discovery of Supernatural Agents: A Cognitive Account of Magic and Religious Belief in the Development of their Philosophical, Moral and Social Implications* (in English).

Bachelor's Degree in Philosophy (Laurea Triennale in Scienze Filosofiche), full marks and honor, September 2008. Supervisor: Prof. Lorenzo Magnani; Co-supervisor: Prof. Silvana Borutti. Title of the dissertation: *Knowing through Gossip: A Cognitive Account of Coalition Management* (in English).

## Publications – Monograph

- T. Bertolotti (2015). *Patterns of Rationality. Discovering Recurring Inferences in Science, Social Cognition and Religious Thinking*. Springer, Berlin/Heidelberg.

## Publications – Articles & Chapters

1. S. Arfini and T. Bertolotti (2017) The expert you are (not). Citizens, experts and the limits of Science Communication, in P. Barrotta and G. Scarafile (Eds.) *Science and Democracy. Controversies and Conflicts*, John Benjamins Publishing Company, Amsterdam (forthcoming);
2. T. Bertolotti, L. Magnani (2016). Theoretical considerations on cognitive niche construction. *Synthese, Online First*, doi:10.1007/s11229-016-1165-2;
3. L. Magnani, S. Arfini, T. Bertolotti (2016), Of habit and abduction. Preserving ignorance or attaining knowledge? In D. West and M. Anderson (eds.) *Consensus on Peirce's Concept of Habit*, Switzerland, Springer, pp. 371-377.
4. T. Bertolotti, L. Magnani (2016) Gossip. In Coady, D. & Chase, J. (eds.), *Routledge Handbook of Applied Epistemology* (forthcoming);
5. T. Bertolotti, S. Arfini, L. Magnani (2016). Abduction: From the Ignorance Problem to the Ignorance Virtue. *IFCoLog Journal of Logic and its Applications*, vol. 3(1) (pp. 153-173);
6. L. Magnani, S. Arfini, T. Bertolotti (2015). An argument for ignorance-based chance discovery. *International Journal of Advanced Intelligence Paradigms* vol. 8(3);
7. T. Bertolotti, L. Magnani (2016) Gossip as a model of inference to composite hypotheses. *Pragmatics & Cognition*, vol. 22(3) (pp. 309-324);
8. T. Bertolotti, L. Magnani (2015) Contemporary finance as a critical cognitive niche: An epistemological outlook on the uncertain effects of contrasting uncertainty. *Mind & Society*, special issue on "Complexity Modeling in Social Science and Economics," vol. 14(2), pp. 273-293 (republished as T. Bertolotti and L. Magnani (2017), Contemporary finance as a critical cognitive niche, in P. Chen and E. Ippoliti (eds.), *Methods and Finance*, Springer, Switzerland, pp. 129-150);
9. L. Magnani, T. Bertolotti (2015). Christ, Batman, and Girard: Perspectives on Self-Sacrifice. *Journal of Religion and Violence*, vol. 3(1) (pp. 117-135);
10. T. Bertolotti, L. Magnani (2015). Cyber-Bullies as Cyborg-Bullies. *The International Journal of Technoethics*, vol. 6(1) (pp. 35-44);
11. T. Bertolotti, L. Magnani (2014). An epistemological analysis of gossip and gossip-based knowledge. *Synthese*, vol. 191(17) (pp. 4037-4067);
12. T. Bertolotti, L. Magnani (2014). Reintroducing the Cyborg Concept to Explain Internet-Related Safety Issues. In Bello P., Guarini M., McShane M. & Scassellati B. (Eds.) *Proceedings of the 36th Annual Conference of the Cognitive Science Society*, (pp. 922-927). Austin TX: Cognitive Science Society;
13. T. Bertolotti, L. Magnani (2014). Degenerative Techno-Cognitive Niches. Unforeseen Dangers of the Hyper-Technological Paradigm. In Bello P., Guarini M., McShane M. & Scassellati B. (Eds.) *Proceedings of the 36th Annual Conference of the Cognitive Science Society*, (pp. 928-933). Austin TX: Cognitive Science Society;

14. T. Bertolotti (2014). Distributing knowledge and cognition in gossiping interactions. In P. P. Chruszczewski and J. R. Rickford (eds.), *Ways to Protolanguage 3* (pp. 25–38), Wydawnictwo wyższej szkoły filologicznej we Wrocławiu, Wrocław;
15. T. Bertolotti, L. Magnani, E. Bardone (2014). Camouflaging truth: a biological, argumentative and epistemological outlook from biological to linguistic camouflage. *Journal of Cognition and Culture* vol. 14(1-2), pp. 65–91;
16. T. Bertolotti (2014). La logica del religioso, in L. Magnani (Ed.), *Introduzione alla New Logic. Logica, filosofia, cognizione*, il Melangolo, Genova;
17. T. Bertolotti, L. Magnani (2013). A philosophical and evolutionary approach to cyber-bullying: Social networks and the disruption of sub-moralities. *Ethics and Information Technology*, vol. 15(4) (pp. 285–299);
18. T. Bertolotti (2013). Generative and demonstrative experiments, in L. Magnani (Ed.), *Model-Based Reasoning in Science and Technology. Theoretical and Cognitive Issues*, pages 479–498. Springer, Heidelberg/Berlin;
19. L. Magnani, T. Bertolotti (2013). The role of cognitive niches in mediating knowledge, entropy & violence. In M. Knauff, N. Sebanz, M. Pauen & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society* (pp. 954–959). Austin, TX: Cognitive Science Society;
20. T. Bertolotti, L. Magnani (2013). Terminator niches. In S. Richir (Ed.): *Virtual Reality International Conference - Laval Virtual, VRIC 2013, Laval, France, March 20-22, 2013*, ACM, New York;
21. L. Magnani, T. Bertolotti (2013). Selecting chance curation strategies: Is chance curation related to the richness of a cognitive niche? *International Journal of Knowledge and Systems Science* vol 4(1) (pp. 50–61);
22. T. Bertolotti, C. Cinerari (2013). The Gospel according to Google: The future of religious niches and technological spirituality, *The European Journal of Science and Theology* vol. 9(1) (pp. 41–53);
23. T. Bertolotti (2012). From mindless modeling to scientific models: the case of emerging models. In L. Magnani and P. Li (eds.), *Philosophy and Cognitive Science, Western and Eastern Studies*, pages 75–104. Springer, Heidelberg/Berlin;
24. T. Bertolotti (2011). Facebook has it: the irresistible violence of social cognition in the age of social networking, *The International Journal of Technoethics* vol. 2(4) (pp. 71–83);
25. L. Magnani, T. Bertolotti (2011). Cognitive bubbles and firewalls: epistemic immunizations in human reasoning. In L. Carlson, C. Hoelscher, & T.F. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 3370–3375). Austin, TX: Cognitive Science Society;
26. L. Magnani, E. Bardone, T. Bertolotti (2011). Psychopaths' morality. Ethicocentrism, free will, and the fear of decriminalization. In L. Carlson, C. Hoelscher, & T.F. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1043–1048). Austin, TX: Cognitive Science Society;
27. T. Bertolotti, E. Bardone, L. Magnani (2011). Perverting activism: Cyberactivism and its potential failures in enhancing democratic institutions, *The International Journal of Technoethics* vol. 2(2) (pp. 14–29);
28. T. Bertolotti, L. Magnani (2010). The role of agency detection in the invention of supernatural beings: an abductive approach, in L. Magnani, W. Carnielli, C. Pizzi (eds), *Model-Based Reasoning in Science and Technology. Abduction, Logic, and Computational Discovery*, pages 195–213. Springer, Heidelberg/Berlin.

## Editorial & Translation Work

L. Magnani, T. Bertolotti, eds. (2017). *Springer Handbook of Model-Based Science*. Springer, Heidelberg/Berlin;

L. Magnani, *Understanding Violence. Morality, Religion, and Violence Intertwined: A Philosophical Stance*. Springer, Heidelberg/Berlin (2011): Italian translation by T. Bertolotti, *Filosofia della violenza*, il Melangolo, Genova (2013).

L. Magnani, T. Bertolotti, eds. (2011). *International Journal of Technoethics (IJT)* vol. 2(4), special issue on "Uncovering Violence as Technology-Mediated in Contemporary Societies".

## Presentations, Talks, and Conference Committees

T. Bertolotti, *From collective agents to individual rationality. A top down approach to composite hypotheses*. Presented at "MBR\_015: Model-Based Reasoning in Science and Technology. Models and Inferences: Logical, Epistemological, and Cognitive Issues" Sestri Levante (GE), Italy, 25–27 June, 2015.

T. Bertolotti, *The Epistemology of Gossip*. Invited seminar at the Cognitive Science Association, UCLA, Los Angeles, CA, January 7th, 2015.

T. Bertolotti, *Integrare gli studi cognitivi della religione attraverso il concetto peirceano di abduzione*. Presented at "Filosofia del Linguaggio, Semiotica e Filosofia della Mente. A partire da C.S. Peirce nei cento anni dalla morte", Bologna, Italy, October 2-4, 2014.

T. Bertolotti, L. Magnani, *Degenerative Techo-Cognitive Niches. Unforeseen Dangers of the Hyper-Technological Paradigm*. Presented at the "36th Annual Conference of the Cognitive Science Society", Quebec City, Canada, 23–26 July, 2014.

T. Bertolotti, L. Magnani, *Reintroducing the Cyborg Concept to Explain Internet-Related Safety Issues*. Presented at the "36th Annual Conference of the Cognitive Science Society", Quebec City, Canada, 23–26 July, 2014.

L. Magnani, T. Bertolotti, *Animal Abduction and the Emergence of Deception*. Poster presented at the 36th Annual Conference of the Cognitive Science Society. Québec City, Canada, July, 2014.

Invited speaker at the "International Online Safety Awareness Meeting" organized by the NCSA, APWG, and Microsoft in Paris, May 19-20, 2014.

Invited seminar, *Evolution, Epistemology and Cognition* at the University of Messina (May 2014).

Invited speaker at "The 2013 European Child Safety Online Conference" in Bruxelles, November 12th, 2013.

T. Bertolotti, *Towards and epistemology of gossip: Gossip as an epistemic abductive synergy*. Presented at "Way to Protolanguage 3", Wrocław, Poland, 25-25 May, 2013.

T. Bertolotti, L. Magnani, *Terminator niches*. Presented at "VR MIX - LAVAL\_VIRTUAL 2013", Laval, France, 20-24 March, 2013.

T. Bertolotti, *Two models of experimentation: Understanding the difference between generative and demonstrative experiments*. Presented at "SILFS 2012 Mid-term Conference of the Italian Society for Logic and Philosophy of Science", University of Milan-Bicocca, 20–21 November, 2012.

T. Bertolotti, *The importance of being "different:" Social networks, self-gossip and bullying*. Presented at the workshop on "Social Networks & Cyber-bullying in the teenager population", EU Joint Research Center, JRC Ispra, Italy, 4–5 October, 2012.

T. Bertolotti, *Christ, Batman and Girard: Western Perspectives on Self Sacrifice*. Presented at "First International Conference of the Japan Girard Association and the Annual International Conference of the Colloquium on Violence & Religion (COV&R)", Tokyo - Japan, 5–9 July 2012.

Member of the local committee for the international conference "MBR\_012: Model-Based Reasoning in Science and Technology. Theoretical and Cognitive Issues", Sestri Levante, Italy, June 21-23, 2012.

T. Bertolotti, *The Gospel According to Google: The Future of Religious Niches and Technological Spirituality*. Presented at "EPHES-SST-2012 International Conference: Engineering, Philosophy and Ethics of the Knowledge Society in Search for a Spiritual Turn", Suceava - Romania, 15–18 March 2012.

T. Bertolotti, *Socially ignorant technologies: Gossip, Reputation and Social Networking*. Presented at "PHEADE International Conference: Trends and Challenges in the Philosophy of Information – From Natural to Artifacts", Suceava - Romania, 13–16 October 2011.

T. Bertolotti, *Abductive patterns in camouflage dynamics and the importance of strategic counterfactual beliefs*. Presented at "PCS2011: Third international conference on philosophy and cognitive science. Scientific Representation – Theories & Models", Guangzhou, China, May 26–27, 2011.

Member of the local committee for the international conference "MBR\_09: Model-Based Reasoning, Abduction, Logic, and Computational Discovery", Unicamp, Campinas, Brazil, December 17–19, 2009.

## Teaching Activity

**Course**, *Cognitive Philosophy*, as *Adjunct Professor* at the University of Pavia (Academic Years 2015-2016, 2016-2017).

**Course**, *Controversy Study: The Driverless Car*, as *Teaching Assistant* at Telecom ParisTech (Academic Year 2015-2016, 2016-2017).

Seminar, *An introduction to social epistemology: Modeling the inferential nature of gossip* in the advanced course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2014-2015);

Seminar, *The evolution of social cognition: From grooming to social networking websites* in the course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2014-2015);

Seminar, *The cognitive origins of religious belief* in the course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2014-2015);

Seminar, *The dual nature of scientific experimentation* in the advanced course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2013-2014);

Seminar, *Models for dummies: an introduction to scientific and natural models* in the advanced course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2012-2013),

Seminar, *Cognitive niches, language and "affordances"* in the advanced course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2012-2013);

Seminar, *Religion as a cognitive phenomenon* in the course of Cognitive Philosophy (Prof. Emanuele Bardone) (Academic Year 2011-2012);

Seminar, *Natural abductions for supernatural agents* in the course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2011-2012);

Seminar, *Gossiping networks* in the course of Philosophy of Science (Prof. Lorenzo Magnani) (Academic Year 2010-2011).

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