

Curriculum Vitae of Roberta Ferrario

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A. Personal Data

Name and Surname: Roberta Ferrario

Birth Date: June 23, 1973

Birth Place: Saronno (Va) – Italy

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B. Short Bio

Roberta Ferrario is a researcher at the Institute for Cognitive Sciences and Technologies of the CNR, the Italian National Research Council, and she works in Trento. She has accomplished her PhD in Philosophy in 2003, under the scope of a co-tutorship program between the Universities of Milan (Italy) and Strasbourg (France). She has spent an academic year at the Suppes Center for the Interdisciplinary Study of Science and Technology of Stanford University. Back in Trento, she has worked on ontology of mind, of organizations and of services. Lately, her research interests have been on ontology of socio-technical systems, on the integration of ontological and probabilistic approaches and on relational ontologies. She has been PI of the VisCoSo project (2012-2016), a three year “Research Unit” project grant awarded 600K euros by the Autonomous Province of Trento. She is Co-Editor-in-chief of the International journal Applied Ontology (IOS Press) and member of the Executive Council of the International Association of Ontology and its Applications (IAOA); she is General Chair of the 12th International

Conference on Formal Ontology in Information Systems (FOIS 2021) and she has been General Chair of FOIS 2020, PC Co-chair FOIS 2016 and co-founder of series of workshops like WODHSA (Workshop on Ontologies for Digital Humanities and their Social Analysis), CONTACT (Computer vision + ONTOlogies: Applied Cross-disciplinary Techniques) and FOMI (Formal Ontology Meets Industry). She's author of a monograph and more than 90 scientific articles and book chapters on social ontology, ontology of services, ontology of mental entities, philosophy of language.

C. Current Position

Researcher – Permanent Position

Institute for Cognitive Sciences and Technology (ISTC)
Italian Research Council (CNR)
Unit of Trento
(Laboratory for Applied Ontology)

D. Past Experience

07/2007 – 10/2012 **Researcher –Temporary Position**

ISTC-CNR
Laboratory for Applied Ontology

10/2004 – 07/2007 **Post-doc Fellow**

ISTC-CNR
Laboratory for Applied Ontology
Formal ontology of social relations among intentional agents within organizations

07/2004 – 10/2004 **Research Assistant**

ISTC-CNR
Laboratory for Applied Ontology
Ontological analysis of the intentionality and social interaction dimensions

07/2003 – 10/2003 **Research Assistant**

ISTC-CNR
Laboratory for Applied Ontology
Study and formal characterization of the notion of intentional agent, particularly with respect to the relations among the former, her mental attitudes and the objects of such attitudes

03/2003 – 07/2003 **Research Assistant**
ISTC-CNR
Laboratory for Applied Ontology
Study and formal characterization of properties of mental entities and of the relations in which they are involved

E. Education

02/24/2003 **PhD (co-tutorship)**
Philosophy
Università degli Studi di Milano
Université Marc Bloch de Strasbourg
Title of the thesis: *Il Ragionamento Controfattuale: un modello e la sua applicazione al ragionamento pratico – Counterfactual Reasoning: a Model and its Application to Practical Reasoning*
Mark (in France): *Très honorable*

11/25/1998 **Laurea (Graduation)**
Philosophy (logic-epistemology)
Università degli Studi di Milano
Subject of the thesis: *The Relation between Theology and new Cosmologies in Western Culture*
Mark: 110/110 magna cum laude

07/1992 **Diploma di maturità scientifica (Scientific Lycee)**
Liceo Scientifico G.B. Grassi di Saronno
Mark: 58/60

F. Grants

2012-2015 Three Years Research Unit Grant (600K euros) from the *Provincia Autonoma di Trento* for the project *VisCoSo - Detection of Crisis in Socio-material Systems via Visual-Cognitive-Social Processes*

2007-2010 Three Years Post-Doc Grant (150K euros) from the *Provincia Autonoma di Trento* for the project *EgovOnto - A Foundational Ontology for E-government*

2007-2009 Two Years Grant for Young Researcher from the *Fondazione della Cassa di Risparmio di Trento e Rovereto*

	(relinquished in favor of the one from the PAT)
2003-2004	Special Mention at the Philosophy Prize “ <i>Viaggio a Siracusa</i> ”, 5 th edition, from the Collegio Siciliano di Filosofia, section PhD Theses
2003-2004	One Year Ambassadorial Scholar Grant from the <i>Rotary Foundation</i>
1999-2002	One Year Grant (confirmed for 3 years), for doctoral activities from the <i>European Doctoral College</i> of Strasbourg

G. Publications

Authored Books

R. Ferrario, V. Schiaffonati, *Formal methods and empirical practices: conversations with Patrick Suppes*, vol. 205, CSLI Publications, Stanford, CA, USA, 2012.

Edited Books

A. Bikakis, R. Ferrario, S. Jean, B. Markhoff, A. Mosca, M. Nicolosi Asmundo, *Semantic Web and Ontology Design for Cultural Heritage 2021. Proceedings of the International Joint Workshop on Semantic Web and Ontology Design for Cultural Heritage co-located with the Bolzano Summer of Knowledge 2021 (BOSK 2021) Bozen-Bolzano, Italy, September 20-21, 2021*, CEUR Workshop Proceedings, vol. 2949, (<http://ceur-ws.org/Vol-2949/>).

S. Borgo, R. Ferrario, C. Masolo, L. Vieu, *Ontology Makes Sense*, Frontiers in Artificial Intelligence and Applications, vol. 316, IOS Press, Amsterdam, 2019.

R. Ferrario, W. Kuhn, *Formal Ontology in Information Systems*, Frontiers in Artificial Intelligence and Applications, vol. 283, IOS Press, Amsterdam, 2016.

R. Ferrario, A. Oltramari, *Formal Ontologies Meet Industry*, Frontiers in Artificial Intelligence and Applications, vol. 198, IOS Press, Amsterdam, Berlin, Tokyo, Washington DC, 2009.

Articles in International Journals

T. Brower, R. Ferrario, D. Porello “Hybrid Collective Intentionality”, in *Synthese*, 2020.

D. Cheng, F. Setti, N. Zeni, R. Ferrario, M. Cristani, “Semantically-driven automatic creation of training sets for object recognition”, in *Computer Vision and Image Understanding*, vol. 131, special section: C. Spampinato, B. Huet and B. Boom (Eds.), *Large Scale Data-Driven Evaluation in Computer Vision*, 2015, pp. 56-71.

E. Bottazzi, R. Ferrario, “Appearance Counting as Reality? Some Considerations on Stability and Unpredictability in Social Institutions”, in *Phenomenology and Mind*, vol. 3, IUSS Press, 2012, pp. 112-119.

R. Ferrario, N. Guarino, “Commitment-Based Modeling of Service Systems”, in M. Snene (Ed.), *IESS 2012, International Conference on Exploring Services Science*, Springer Verlag, Lecture Notes in Business Information Processing, vol. 103, Berlin Heidelberg 2012, pp. 170-185.

R. Ferrario, N. Guarino, “Towards an Ontological Foundation for Services Science”, in D. Fensel, and P. Traverso (Eds.), *Future Internet - FIS 2008*, Springer Verlag, Lecture Notes in Computer Science, vol. 5468, Berlin Heidelberg 2009, pp. 152-169.

V. Bryl, F. Dalpiaz, R. Ferrario, A. Mattioli, A. Villafiorita, “Evaluating Procedural Alternatives. A Case Study in e-Voting”, in *Electronic Government, an International Journal*, Inderscience Publishers, 2009, pp. 213-231.

E. Bottazzi, R. Ferrario, “Preliminaries to a DOLCE Ontology of Organizations”, in C. Atkinson, E. Kendall, G. Wagner, G. Guizzardi, M. Spies (Eds.), *International Journal of Business Process Integration and Management, Special Issue on Vocabularies, Ontologies and Business Rules for Enterprise Modeling*, vol. 4, nr. 4, Inderscience Publishers, 2009, pp. 225-238.

C. Arrighi, R. Ferrario, “Abductive Reasoning, Interpretation and Collaborative Processes”, in *Foundations of Science, Special Issues on Tracking Irrational Sets: Science, Technology, Ethics*, Vol.13, Nr.1, Springer Netherlands, 2008, pp. 75-87.

S. Borgo, R. Ferrario, C. Masolo, A. Oltramari, “Mereogeometry and Pictorial Morphology”, in *Image – Journal of Interdisciplinary Image Science*, vol. 5 , chapter 3 of the thematic part “Computational Visualistics and Pictorial Morphology”, Herbert-von-Halem, Köln 2007, pp. 36-49.

Book Chapters with International Publishers

D. Conigliaro, R. Ferrario, C. Hudelot, D. Porello, “Integrating Computer Vision Algorithms and Ontologies for Spectator Crowd Behavior Analysis”, in Murino, V., Cristani, M., Shah S., Savarese, S. (Eds.), *Group and Crowd Behavior for Computer Vision*, ch. 13, Computer Vision and Pattern Recognition Series, Elsevier 2017, pp. 297-319.

D. Porello, E. Bottazzi, R. Ferrario, “Group Conflict as Social Contradiction”, in D’Errico, F., Poggi, I., Vinciarelli, A., Vincze, L. (Eds.), *Conflict and Multimodal Communication*, Social Research and Machine Intelligence, vol. 1, 2015, pp. 33-53.

E. Bottazzi, R. Ferrario, “Arbitral Functions and Constitutive Rules”, in Schmitz, M., Kobow, B., Schmid, H.B. (Eds.), *The Background of Social Reality. Selected Contributions from the Inaugural Meeting of ENSO*, Studies in the Philosophy of Society 1, Springer. Dodrecht 2013, pp. 201-216.

N. Guarino, R. Ferrario, E. Bottazzi, G. Sartor, “Open Ontology-Driven Sociotechnical Systems: Transparency as a Key for Business Resiliency”, in M. De Marco, D. Te’eni, V. Albano, S. Za (Eds.), *Information Systems: Crossroads for Organization, Management, Accounting and Engineering*, Springer Verlag 2012, pp. 535-542.

R. Ferrario, N. Guarino, R. Trampus, K. Laskey, A. Hartman, G. R. Gangadharan, “Service System Approaches. Conceptual Modeling Approaches for Services Science”, in A. Barros, D. Oberle (Eds.), *Handbook of Service*

Description: USDL and Its Methods, Springer, 2012, pp. 75–109

R. Ferrario, N. Guarino, M. Fernández Barrera, “Towards an Ontological Foundation for Services Science: the Legal Perspective”, in G. Sartor, P. Casanovas, M. Biasiotti, M. Fernández Barrera (Eds.), *Approaches to Legal Ontologies*, Law, Governance and Technology Series, vol.1, Springer Verlag, 2011, pp. 235-258.

R. Cuel, R. Ferrario, “The Impact of Technology in Organizational Communication Processes”, in B. Staudinger, V. Hoess , and H. Ostermann (Eds.), *Nursing and Clinical Informatics: Socio-Technical Approaches*, IGI Global, 2009, Chapter 13, pp. 198-217.

C. Arrighi, R. Ferrario, “The Dynamic Nature of Meaning”, in L. Magnani, R. Dossena (Eds.), *Computing, Philosophy, And Cognition*, College Publications, 2005, pp. 295-312.

Full Papers in International Conferences and Workshops

L. Bicchieri, R. Ferrario, D. Porello, “Needs and Intentionality”, in B. Brodaric, F. Neuhaus (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2020*, Frontiers in Artificial Intelligence and Applications, vol. 330, IOS Press 2020, pp. 125-139.

C. Masolo, L. Vieu, R. Ferrario, S. Borgo, D. Porello, “Pluralities, Collectives, and Composites”, in B. Brodaric, F. Neuhaus (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2020*, Frontiers in Artificial Intelligence and Applications, vol. 330, IOS Press 2020, pp. 186-200.

L. Bicchieri, R. Ferrario, “An Analysis of the Notion of Need for the Representation of Public Services”, in Barton, A., Seppälä, S., and Porello, D. (Eds.) *JOWO 2019 – The Joint Ontology Workshops, Proceedings of the Joint Ontology Workshops 2019, Episode 5: The Styrian Autumn of Ontology, Graz, Austria, September 23–25, 2019.*, CEUR Workshop Proceedings, vol. 2518, (<http://ceur-ws.org/Vol-2518>).

M. Fumagalli, R. Ferrario, “Representation of Concepts in AI: Towards a Teleological Explanation”, in Barton, A., Seppälä, S., and Porello, D. (Eds.) *JOWO 2019 – The Joint Ontology Workshops, Proceedings of the Joint Ontology Workshops 2019, Episode 5: The Styrian Autumn of Ontology, Graz, Austria, September 23–25, 2019.*, CEUR Workshop Proceedings, vol. 2518, (<http://ceur-ws.org/Vol-2518>).

M.R. Stufano Melone, S. Borgo, C. Masolo, R. Ferrario, “Towards a Framework to Store and Retrieve Memories for Creative Architectural Projects”, in Barton, A., Seppälä, S., and Porello, D. (Eds.) *JOWO 2019 – The Joint Ontology Workshops, Proceedings of the Joint Ontology Workshops 2019, Episode 5: The Styrian Autumn of Ontology, Graz, Austria, September 23–25, 2019.*, CEUR Workshop Proceedings, vol. 2518, (<http://ceur-ws.org/Vol-2518>).

R. Ferrario, C. Masolo, D. Porello, “Organisations and Variable Embodiments”, in S. Borgo, P. Hitzler, O. Kutz (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2018*, Frontiers in Artificial Intelligence and Applications, vol. 306, IOS Press 2018, pp. 127-140.

R. Ferrario, “A Sociomaterial Glance to Formal Ontologies”, in Borgo, S., Kutz, O., Loebe, F., and Neuhaus, F. (Eds.) *JOWO 2017 – The Joint Ontology Workshops, Proceedings of the Joint Ontology Workshops 2017, Episode 3: The Tyrolean Autumn of Ontology, Bozen-Bolzano, Italy, September 21–23, 2017.*, CEUR Workshop Proceedings, vol. 2050, (<http://ceur-ws.org/Vol-2050>).

R. Ferrario, D. Porello, “Towards a conceptualization of socio-material entanglement”, in Christiansen, H., Stojanovic, I., Papadopoulos, G. (Eds.) *Modeling and Using Context. The 9th International and Interdisciplinary Conference on Modeling and Using Context, CONTEXT 2015*, Springer Lecture Notes in Computer Science, vol. 9405, 2015, pp. 32-46.

C. Bassetti, M. L. M. Campos, R. Ferrario, “Airport security checkpoints: an empirically-grounded ontological model for supporting collaborative work practices in safety-critical environments”, in Palen, L., Büscher, M., Comes, T., Hughes, A. (Eds.), *Proceedings of the 12th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2015)*, Kristiansand, Norway, May 24- 27, 2015.

C. Bassetti, C. Giorgetta, R. Ferrario, “Work- and Job-related Stress, Emotions, and Performance in Critical Situations. An interdisciplinary study in the context of airport security”, in Airenti, G., Bara, B. G., Sandini, G. (Eds.) *Proceedings of the EuroAsian- Pacific Joint Conference on Cognitive Science (EAP-CogSci 2015)*, CEUR Workshop Proceedings, vol. 1419 (<http://ceur-ws.org/Vol-1419>).

D. Porello, E. Bottazzi, R. Ferrario, “The ontology of group agency”, in P. Garbacz, O. Kutz (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2014*, Frontiers in Artificial Intelligence and Applications, vol. 267, IOS Press 2014, pp. 183-196.

D. Porello, F. Setti, R. Ferrario, M. Cristani, “Multiagent socio-technical systems: An ontological approach”, in T. Balke (Ed.), *Coordination, Organisations, Institutions and Norms in Agent Systems IX (COIN 2013)*, Springer, Lecture Notes in Artificial Intelligence, vol.8386, 2014, pp. 42-62.

S. Abduljali Abdulkhak, W. Riviera, N. Zeni, M. Cristani, R. Ferrario, M. Cristani, “Semantic-Analysis Object Recognition: Automatic Training Set Generation Using Textual Tags”, *Proceedings of ECCV 2014 Workshops*, Springer, 2014, pp. 309-322.

G. Roffo, C. Giorgetta, R. Ferrario, M. Cristani, “Just the Way You Chat: Linking Personality, Style and Recognizability in Chats”, in H. S. Park, A. A. Salah, Y. J. Lee, L. Morency, Y. Sheikh, R. Cucchiara (Eds.), *Human Behavior Understanding, 5th International Workshop, HBU 2014, Proceedings*, Springer, Lecture Notes in Computer Science, vol. 8749, 2014, pp. 30-41.

G. Roffo, C. Giorgetta, R. Ferrario, W. Riviera, M. Cristani, “Statistical Analysis of Personality and Identity in Chats Using a Keylogging Platform”, in *Proceedings of the 16th International Conference on Multimodal Interaction, ACM*, New York, NY, USA 2014, pp. 224-231.

D. Conigliaro, F. Setti, C. Bassetti, R. Ferrario, M. Cristani, “ATTENTO: ATTENTION Observed for Automated Spectator Crowd Analysis”, in A. A. Salah, H. Hung, O. Aran, H. Gunes (Eds.), *Human Behavior Understanding, 4th International Workshop, HBU 2013*, Proceedings, Springer, Lecture Notes in Computer Science, vol. 8212, 2013, pp. 102-111.

F. Setti, O. Lanz, R. Ferrario, V. Murino, M. Cristani, “Multi-scale Formations Estimation for Group Detection”, in *Proceedings of the Inter-*

national Conference on Image Processing (ICIP), IEEE 2013, pp. 3547-3551.

D. Conigliaro, F. Setti, C. Bassetti, R. Ferrario, M. Cristani, “Viewing the Viewers: A Novel Challenge for Automated Crowd Analysis”, in A. Petrosino, L. Maddalena, P. Pala (Eds.), *SBA 2013 - International Workshop on Social Behaviour Analysis*, hosted by *ICIAP 2013 International Workshops, Lecture Notes in Computer Science*, vol. 8158, Springer, 2013, pp. 517-526.

D. Porello, R. Ferrario, C. Giorgetta, “Ontological modeling of emotion-based decisions”, in A. M. H. Abdel-Fattah, K. U. Kühnberger (Eds.), *Proceedings of the Workshop on Formalizing Mechanisms for Artificial General Intelligence and Cognition (FormalMAGIC-2013)*, Publication Series of the Institute of Cognitive Science (PICS, ISSN 1610-5389), Institute of Cognitive Science, University of Osnabrück, pp. 17-22.

F. Setti, D. Porello, R. Ferrario, S. Abduljali Abdulhak, M. Cristani M., “‘Tell me more’: how semantic technologies can help refining internet image search”, in *VIGTA '13 - International Workshop on Video and Image Ground Truth in Computer Vision Applications*, ACM, 2013, pp. 31-36.

F. Setti, D. Cheng, S. Abduljali Abdulhak, R. Ferrario, M. Cristani, “Ontology-Assisted Object Detection: Towards the Automatic Learning with Internet”, in A. Petrosino (Ed.), *Proceedings of ICIAP 2013 - International Conference on Image Analysis and Processing*, Lecture Notes in Computer Science, vol. 8157, Springer, 2013, pp. 191-200.

E. Bottazzi, R. Ferrario, C. Masolo, “The Mysterious Appearance of Objects”, in M. Donnelly, G. Guizzardi (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2012*, Frontiers in Artificial Intelligence and Applications, vol. 239, IOS Press 2012, pp. 59-72.

R. Ferrario, N. Guarino, “Commitment-Based Modeling of Service Systems”. In: *IESS 2012, International Conference on Exploring Services Science*. Lecture Notes in Business Information Processing, vol. 103, Berlin-Heidelberg, Springer-Verlag 2012, pp. 170-185.

R. Ferrario, C. Janiesch, N. Guarino, D. Oberle, F. Probst, “Towards an Ontological Foundation of Services Science. The General Service Model”, in the *Wirtschaftsinformatik Proceedings*, Zurich, Switzerland, February 16-18,

2011.

E. Bottazzi, R. Ferrario, “Facing the Inevitable? The Dynamics of Impasse in Collective Contexts”, presented at *Collective Intentionality VII, Perspectives on Social Ontology*, Basel, Switzerland, August 23-26, 2010.

R. Ferrario, N. Guarino, “A New Ontological Perspective for Social Services”, in F. Corradini, and A. Polzonetti (Eds.), *MeTTeG08, Proceedings of the 2nd International Conference on Methodologies, Technologies and Tools Enabling e-Governmen*t, Halley, 2008, pp.41-51.

V. Bryl, F. Dalpiaz, R. Ferrario, A. Mattioli, A. Villafiorita, “Evaluating Procedural Alternatives. A Case Study in e-Voting”, in *Proceedings of MeT-TeG 2007, 1st International Conference on Methodologies, Technologies and Tools enabling e-Government*, Camerino (MC), Italy, September 27-28 2007, pp. 125-138.

E. Bottazzi, R. Ferrario, C. Masolo, R. Trypuz, “Designing Organizations: Towards a Model”, in G. Boella, L. van der Torre, H. Verhagen, (Eds.), *Normative Multi-agent Systems, Dagstuhl Seminar Proceedings*, IBFI, Dagstuhl, Germany, March 18-23 2007, pp. 237-244.

R. Cuel, R. Ferrario, “The Impact of Technology in Organizational Communication Processes: toward Constructivism”, presented at *EGOS 2006, European Group for Organizational Studies*, July 6-8 , 2006, Bergen, Norway.

E. Bottazzi, R. Ferrario, “A Path to an Ontology of Organizations”, in G. Guizzardi, G. Wagner, (Eds.), *EDOC International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE 2005)*, September 20, 2005, Enschede, the Netherlands, pp. 9-16.

C. Masolo, G. Guizzardi, L. Vieu, E. Bottazzi, R. Ferrario, “Relational Roles and Qua-individuals”, in G. Boella, J. Odell, L. van der Torre, H. Verhagen, *Proceedings of the AAI Symposium on Roles, an interdisciplinary perspective*, Arlington, Virginia USA, AAI Press, 2005, pp. 103-112.

R. Ferrario, A. Oltramari: “Towards a Computational Ontology of Mind”, in A. C. Varzi, L. Vieu (Eds.), *Formal Ontology in Information Systems, Proceedings of the International Conference FOIS 2004*, IOS Press, pp. 287-297.

C. Masolo, L. Vieu, E. Bottazzi, C. Catenacci, R. Ferrario, A. Gangemi,

N. Guarino, “Social Roles and Their Descriptions”, in D. Dubois, C. Welty, M.A. Williams (Eds.), *Principles of Knowledge Representation and Reasoning, Proceedings of the Ninth International Conference KR 2004*, Whistler, Canada, June 2-5, 2004, AAAI Press, pp. 267-277.

M. Bonifacio, P. Bouquet, R. Ferrario, D. Ponte, “Rationality, Autonomy and Coordination: the Sunk Costs Perspective”. In P. Petta, R. Tolksdorf, F. Zambonelli, *Engineering Societies in the Agents World III. Proceedings of ESAW02, Third International Workshop*, September 16-17 2002, University Rey Juan Carlos, Madrid, Spagna, Springer, Lecture Notes on Artificial Intelligence vol. 2577, Berlin Heidelberg 2003, pp. 29-38.

R. Ferrario, “Counterfactual Reasoning”, in V. Akman, P. Bouquet, R. Thomason, R.A. Young (Eds.), *Modeling and Using Context, Proceedings of the Third International and Interdisciplinary Conference, CONTEXT 2001*, Dundee, UK, July 2001, Springer, Lecture Notes on Artificial Intelligence vol. 2116, Berlin Heidelberg 2001, pp. 170-183.

Short Papers in International Conferences and Workshops

R. Ferrario, D. Porello, “An Ontological Analysis of Groups as Complex Variable Embodiments”, in *Social Ontology 2018, the 11th Biennial Collective Intentionality Conference*, Tufts University, Boston, MA, USA, August 22-25, 2018.

T. Brouwer, R. Ferrario, D. Porello, “Sociomaterial Agency Beyond Group Agency”, in *Group Agency: Ontology and Implications. MANCEPT Workshops*, Manchester, UK, September 11-13, 2017.

M. Cristani, R. Ferrario, “Statistical pattern recognition meets formal ontologies: Towards a semantic visual understanding”, in *RFMIR '14 Proceedings of the 2014 Workshop on Roadmapping the Future of Multimodal Interaction Research including Business Opportunities and Challenges*, 2014, pp. 23-25.

R. Ferrario, N. Guarino, “Commitment-based Modeling of Service Systems in the light of the Service Dominant Logic”, in *VMBO 2012 (6th International Workshop on Value Modeling and Business Ontology)*, Wien, Austria, February 20-21, 2012.

E. Bottazzi, R. Ferrario, “Critical situations from spontaneous to sophisticated social interactions”, presented at *New Trends in the Philosophy of the Social Sciences*, Universidad Nacional de Educacion a Distancia, Madrid, Spain, September 28-29, 2011.

R. Ferrario, N. Guarino, “Generic Commitments, Specific Contracts and Quality Criteria in Service Systems: an Ontological Analysis”, presented at *Understanding Complex Service Systems Through Different Lenses*, University of Cambridge, Cambridge, UK, September 21-23, 2011.

E. Bottazzi, R. Ferrario, “How Sophisticated Our Interaction Can Get”, presented at *ENSO 2011, the Second Conference of the European Network of Social Ontology*, Luiss Guido Carli University, Rome, September 21-23, 2011.

E. Bottazzi, R. Ferrario, “Faulty Institutional Objects. A threat for the Infallibilist (and the Fallibilist as well)”, presented at the *Seventh European Conference for Analytic Philosophy, ECAP7*, University of Milan and University Vita e Salute San Raffaele, Milan, September 1-6, 2011.

E. Bottazzi, R. Ferrario, “Social Objects and Perspectives”, in *Proceedings of the European Conference on Cognitive Science, EuroCog 2011*, New Bulgarian University, Sofia, May 21-24, 2011.

E. Bottazzi, R. Ferrario, “The Role of Computational Ontologies and Failure-Based Systems in the Social”, in *Proceedings of EASST (European Association for the Study of Science and Technology), Practicing Science and Technology, Performing the Social*, University of Trento, September 2-4, 2010.

E. Bottazzi, C. Catenacci, R. Ferrario, R. Trypuz, “On Non Mediated Collective Intentions”, in *Proceedings of Narrative Alternatives to Theories of Mind*, University of Hertfordshire, Hatfield, Great Britain, July 12-15 2007.

M. Bonifacio, P. Bouquet, R. Ferrario, D. Ponte, “Towards a Model of Goal Autonomous Agents”, in P. Giorgini, Y. Lesprance, G. Wagner, E. S. K. Yu (Eds.), *AOIS '02, Agent-Oriented Information Systems, Proceedings of the Fourth International Bi-Conference Workshop on Agent-Oriented Information Systems*, vol. 59, 2002.

Edited Special Issues in International Journals

R. Ferrario, L. Prévot (Eds.), “Formal Ontologies for Communicating Agents”, *Applied Ontology*, Nr. 3-4, 2007, editorial pp. 209-216.

Editorials in International Journals

R. Ferrario, M Grüninger, “Applied ontology: A foreword by the new editors-in-Chief”, *Applied Ontology*, Vol. 12 (1), 2017, pp. 1-4.

R. Ferrario, M Grüninger, “Editorial announcement: Editorial Board changes”, *Applied Ontology*, Vol. 13 (1), 2018, pp. 1-1.

R. Ferrario, M Grüninger, “Proposed guidelines for publishing ontology papers”, *Applied Ontology*, Vol. 15 (1), 2020, pp. 1-5.

Articles in Italian Journals

R. Ferrario, “Il progetto ViScoSo: Rilevazione di situazioni critiche nei sistemi sociomateriali attraverso processi di visione, cognizione e interazione sociale”, in *Mondo Digitale*, vol. 15, nr. 62, 2016.

E. Bottazzi, R. Ferrario, “Oggetti sociali e prospettive”, in *Sistemi Intelligenti*, Anno XXV, Nr.2, 2013, pp. 229–256.

R. Ferrario, N. Guarino, “Fondamenti ontologici per una scienza dei servizi”, in *Rivista di Estetica. Numero Special su Ontologia Analitica*, vol. 49, 2012, pp. 227-246.

E. Bottazzi, R. Ferrario, “Problemi filosofici emergenti dalla modellazione delle organizzazioni sociali”, in *Rivista di Estetica. Numero Speciale su Doc-*

umentalità: l'ontologia degli oggetti sociali, vol. 36 Nr. 3, 2007, pp. 43-58.

R. Ferrario, “Who Cares about Axiomatization? Representation, Invariance, and Formal Ontologies”, in *Epistemologia, Numero Speciale: Saggi in onore di Patrick Suppes*, vol. 2, 2006, pp. 323-342.

E. Bottazzi, R. Ferrario, “Primi ingredienti di una DOLCE ontologia delle organizzazioni”, in *Networks*, Nr. 6, 2006, pp. 36-63.

A. Oltramari, S. Borgo, C. Catenacci, R. Ferrario, A. Gangemi, N. Guarino, C. Masolo, D. Pisanelli: “Il ruolo dell'ontologia nella disambiguazione del significato”, in *Networks*, Nr. 2, 2003, pp. 14-24.

A. Oltramari, S. Borgo, C. Catenacci, R. Ferrario, A. Gangemi, N. Guarino, C. Masolo, D. Pisanelli, “Negozianti di significato”, in *Sistemi Intelligenti*, Anno XV, Nr.3, 2003, pp. 419-428.

Book Chapters with Italian Publishers

R. Cuel, R. Ferrario, P.F. Camussone, “Gli effetti dei sistemi informativi sui processi di comunicazione: un caso di studio”, in T.M. Fabbri, L.E. Golzio (Eds.), *Relazioni di lavoro e forme organizzative. Nuovi modelli di progettazione*, Carocci, Rome 2007, pp. 268-284.

Full Papers in Italian Conferences and Workshops

R. Ferrario, A. Oltramari, “The COM Perspective on Intentional Agents”, in *Proceedings of the 1st Italian Semantic Web Workshop SWAP 2004 (Semantic Web Applications and Perspectives)*, December 10 2004, Ancona, Italy.

Short Papers in Italian Conferences and Workshops

Bassetti, C., Ferrario, R., Giorgetta, C., Porello, D., “Visione, cognizione, e interazione nei sistemi socio-tecnici: un progetto integrato”, in M. Cruciani, F. Cecconi (Eds.), *Atti del Nono Convegno Annuale dell’Associazione Italiana di Scienze Cognitive*, Università di Trento, 2012, pp. 396–400.

E. Bottazzi, R. Ferrario, “Oggetti sociali e prospettive”, in G. Ferrari, P. Bouquet, M. Cruciani, F. Giardini (Eds), *Pratiche della cognizione. Atti del 7° Convegno Nazionale dell’AISC (Associazione Italiana di Scienze Cognitive)*, Trento, December 2-3, 2010, pp. 166-170.

E. Bottazzi, C. Catenacci, R. Ferrario, R. Trypuz, “Intenzioni collettive non mediate”, in *Scienze cognitive e robotica. Atti dell’AISC (Associazione Italiana di Scienze Cognitive)*, in A. Greco, C. Penco, G. Sandini, R. Zaccaria (Eds.), Genoa, October 26-27, 2006, pp. 136-138.

R. Ferrario, A. Oltramari, “COME (Computational Ontology of Mental Entities)”, in *Proceedings of the II Conference of the Italian Association of Cognitive Sciences (AISC)*, March 19-20 2004, Ivrea, pp. 48-50.

Edited Special Issues in Italian Journals

M. Benzi, R. Ferrario (Eds.), “Ontologia”, *Networks*, Nr. 6, 2006, editorial pp. 1-4.

P. Bouquet, R. Ferrario (Eds.), “Il Semantic Web”, *Networks*, Nr. 2, 2003, editorial pp. 1-8.

Reviews in Italian Journals

R. Ferrario, “*Pensieri e Rappresentazioni* di E. Sacchi”, in *2R*, vol. 2, 2006, pp. 95-105.

PhD Thesis

R. Ferrario, *Il Ragionamento Controfattuale. Un modello e la sua applicazione al Ragionamento Pratico*, PhD thesis, Technical Report Nr. DIT-02-101, Department of Engineering and Computer Science, Università degli Studi di Trento, 2002.

	Citation Indexes	
	<i>All</i>	<i>Since 2016</i>
Citations	1569	518
H-Index	16	13
i10-index	21	14

Table 1: The data source is *Scholar Google*, updated September 2021.

H. Invited Talks

APIQA, ContrattIAmo, Intelligenza Artificiale e i nuovi scenari per l'azione sindacale, in Roma, September 11, 2020. Title of the talk: “Intelligenza Artificiale, una breve introduzione”.

Conference of the Society of Women in Philosophy 2019 – Philosophy, Gender and Digital Communication, in Modena, November 28, 2019. Title of the talk: “Ontologie fondazionali all’intersezione tra filosofia e scienze dell’informazione, dalle dicotomie alla relazionalità”.

Identity in Computational Formal and Applied Systems, in Prague, August 10, 2019. Title of the talk: “Organisations and Variable Embodiments”.

Lectures en Sciences Sociales, un séminaire de l’École française de Rome – Fragments, Fragmentations, in Roma, June 12, 2019. Title of the talk: “Modelling Organisations and their Persistence through Time and Changes”.

Agenquadri, V Congresso Nazionale, LavoroFuturo, in Milano, January 17, 2019. Title of the talk: “Ontologie e Intelligenza Artificiale”.

Knowledge Representation in Multi-agent Systems 2018, in Torún, September 7, 2018. Title of the talk: “Ontological Analysis of Groups and Social Collectives”.

Knowledge Representation Seminars, in Leeds, May 2, 2018. Title of the talk: “Some Issues for Formal Social Ontologies”.

Centre for Metaphysics and Mind Seminars, in Leeds, March 21, 2018. Title of the talk: “Metaphysical Analysis and Formal Ontologies. The Case of the Modeling of Groups”.

Gioved-ISTC, in Roma, April 16, 2015. Title of the talk: “The VisCoSo project: detection of crisis in sociomaterial system”.

Workshop on Modelling and Design of Socio-Technical Systems, Delft University of Technology, November 14-15, 2014. Title of the talk: “Ontological Modeling of Sociotechnical Systems for the Detection of Crises”.

A Symposium on the Occasion of Patrick Suppes’ 90th Birthday, in Stanford (USA), March 9-11, 2012. Title of the talk (collaboration with Viola Schiaffonati: “Formal Methods and Empirical Practices. Conversations with Patrick Suppes”.

Seminar on *Ontological Analysis for Conceptual Modeling: Foundational Ontologies* within the course in “Philosophical Issues in Informatics”, Faculty of Information Engineering, Politecnico di Milano, a.y. 2011-2012, 2010-2011, 2007-2008.

VMBO 2011 (5th International Workshop on Value Modeling and Business Ontology), in Gent (Belgium), February 7-8, 2011. Title of the talk: “Service value chain and value co-creation in an ontological perspective”.

Seminar on Social Ontology and Modeling of Organizations within the course in “Social Ontology”, Faculty of Philosophy, University Vita-Salute San Raffaele, Milano, a.y. 2009-2010.

Seminar at the Stanford Center for Biomedical Informatics Research, Stanford University, April 2, 2009. Title of the talk: “eGovOnto: a Foundational Ontology for Semantic Interoperability in eGovernment”.

International Seminar NormMAS 09, Normative MultiAgent Systems, Dagstuhl

(Germany), March 15-20, 2009. Title of the talk (collaboration with Claudio Masolo): “Plans and Organizations”.

Seminar on Ontological Analysis for Conceptual Modeling: Foundational Ontologies within the course in “Technologies for digital innovation (Semantic technologies and e-service)”, Faculty of Science and Technology, University of Camerino (MC), a.y. 2008-2009.

I. Participation to Scientific Committees

Institutional Boards

Member of the Board of the Doctoral School of the Department of Information Engineering and Computer Science of the University of Trento (2020-today).

Member of the Board of the *Institute of Cognitive Sciences and Technologies* of the CNR (2016-2020).

Member of the Executive Committee of the *International Association for Ontology and its Applications* (2015-2020).

Editorial Boards of Journals

Co-Editor-in-chief of the International Journal *Applied Ontology*, published by IOS Press (since January 2017).

Member of the Editorial Board of the International Open Access Journal *Information* (since March 2019).

Refereeing Activities

Referee for the *International Journal of Human-Computer Studies*.

Referee for the *International Journal of E-Government*.

Referee for the journal *Knowledge Management Research and Practice*.

Referee for the journal *Phenomenology and the Cognitive Sciences*.

Referee for the journal *Software: Practice and Experience*.

Referee for the journal *Philosophy and Technology*.

Referee for the *Semantic Web Journal*.

Referee for the journal *Information*.

Referee for the journal *Information Systems Fronteers*.

Project Evaluation

Evaluator for the “Rita Levi Montalcini” prize of the Italian Ministry for Education, University and Research (MIUR), 2017, 2018.

Evaluator for the Netherlands Organisation for Scientific Research (NWO, the Dutch Research Council), for the *Innovational Research Incentives Scheme Veni*, 2017.

Evaluator for the Italian Association for Artificial Intelligence (AIIA) for the *Lesmo Prize* (best master thesis in Artificial Intelligence in Italy), 2016.

Evaluator for the Research Foundation Flanders (FWO), for the *Pegasus Marie Curie* Fellowships and Research projects 2014.

Program Committees of Conferences and Workshops

General Chair of the 12th *International Conference FOIS 2021, Formal Ontology for Information Systems*, Bolzano (Italy), September 13-17, 2021.

Workshop Co-chair of the *SWODCH, Semantic Web and Ontology Design for Cultural Heritage*, Bolzano (Italy), September 20-21, 2021.

Member of the Program Committee of the *Ontology Showcase*, Bolzano (Italy), September 16, 2021.

Member of the Program Committee of *SoLEE – Ontology of Social, Legal and Economic Entities*, Bolzano (Italy), September 17, 2021.

Member of the Program Committee of *FOUST 2021 – The Fifth Workshop on Foundational Ontologies*, Bolzano (Italy), September 13-17, 2021.

Member of the Program Committee of *CAOS 2021 – Cognition and Ontologies*, Bolzano (Italy), September 17, 2021.

General Chair of the 11th *International Conference FOIS 2020, Formal Ontology for Information Systems*, Bolzano (Italy), September 14-18, 2020.

Member of the Program Committee of *FOUST 2020 – The Fourth Workshop on Foundational Ontologies*, Bolzano (Italy), September 15, 2020.

Workshop Co-chair of the 1st *WODSHA, International Workshop on Ontologies for Digital Humanities and their Social Analysis*, Graz (Austria), September 23-25, 2019.

Member of the Program Committee of *SoLEE – Ontology of Social, Legal and Economic Entities*, Graz (Austria), September 23-25, 2019.

Member of the Program Committee of *FOUST 2019 – The Third Workshop on Foundational Ontologies*, Graz (Austria), September 23-25, 2019.

Member of the Program Committee of *CAOS 2019 – Cognition and Ontologies*, Graz (Austria), September 23-25, 2019.

Member of the Program Committee of the *Cognitive Vision, Integrated Vision and AI for Embodied Perception and Interaction*, MIT, Cambridge, MA, USA, August 2, 2019.

Member of the Program Committee of the 10th *International Conference FOIS 2018, Formal Ontology for Information Systems*, Cape Town, South Africa, September 17 -21, 2018.

Member of the Program Committee of the International Workshop *VORTE*, 9th *International Workshop on Vocabularies, Ontologies and Rules for The Enterprise*, Québec City, October 10-13, 2017.

Member of the Program Committee of the International Workshop *EPINON*, *Epistemology in Ontologies (JOWO – Joint Ontology Workshops 2017)*, Bolzano/Bozen, September 21-23, 2017.

Member of the Program Committee of 30th *International Conference on Industrial, Engineering, Other Applications of Applied Intelligent Systems*, Arras (France), June 27-30, 2017.

Member of the Program Committee of *CAOS 2017 – Cognition and OntologieS*, Bath (UK), April 18-21, 2017.

Member of the Program Committee of the International Workshop *ONTOBRAS 2016*, the 8th *Research Seminar of Ontologies in Brazil*, Curitiba, Brazil, October 3-6, 2016.

Member of the Program Committee of the *AISC 2016 Conference – Associazione Italiana di Scienze Cognitive*, Torino (Italy), November 24-26, 2016.

Member of the Program Committee of the *AISC-mid term 2016 Conference – Associazione Italiana di Scienze Cognitive*, Napoli (Italy), May 16-18, 2016.

Program Co-chair of the 9th *International Conference FOIS 2016, Formal Ontology for Information Systems*, Annecy (France), July 6-9, 2016.

Member of the Program Committee of *CAOS 2016 – Cognition and OntologieS*, (*JOWO – Joint Ontology Workshops 2016*), Annecy (France), July 5, 2016.

Member of the Program Committee of the *International Conference EuroAsianPacific Joint Conference on Cognitive Science*, Torino (Italy), September 25-27, 2015.

Member of the Program Committee of the International Workshop *ONTOBRAS 2015*, the 7th *Research Seminar of Ontologies in Brazil*, Sao Paulo, Brazil, September 7-10, 2015.

Member of the Program Committee of the *International Workshop FOMI 2015, Formal Ontology Meets Industry*, Berlin (Germany), August 5, 2015.

Member of the Program Committee of the *International Workshop FOFAI 2015, Formal Ontology for Artificial Intelligence (JOWO – Joint Ontology Workshops 2015)*, Buenos Aires (Argentina), July, 2015.

Member of the Program Committee of the *ECSI 2014, European Conference on Social Intelligence*, Barcelona, Spain, November 3-5, 2014.

Member of the Program Committee of the 8th *International Conference FOIS 2014, Formal Ontology for Information Systems*, Rio de Janeiro (Brazil), September 22 -25, 2014.

Workshop Co-Chair of the International Workshop *CONTACT (Computer vision + ONTologies: Applied Cross-disciplinary Technologies*, held in Zurich, Switzerland, on September 7, 2014, co-located with the European Conference on Computer Vision.

Member of the Program Committee of the International Workshop *ONTOBRAS 2013, the 6th Research Seminar of Ontologies in Brazil*, Belo Horizonte, MG, Brazil, September 23-25, 2013.

Member of the Program Committee of the special track “*Bridging design, business, and software services*” of the *Sixth International Conference on Computer Science and Software Engineering (C3S2E'13)*, Porto, Portugal, July 10-12, 2013.

Member of the Program Committee of the International Workshop *ONTOBRASMOST 2012, the 5th Research Seminar of Ontologies in Brazil*, Gramado, RS, Brazil, September 12-14, 2012.

Workshop Co-chair of the International Workshop *VORTE 2012, The Joint 7th International Workshop on Vocabularies, Ontologies and Rules for The Enterprise and the International Workshop on Metamodels, Ontologies and Semantic Technologies*, Beijing (China), September 10-11, 2012.

Member of the Program Committee of the International Conference *FOIS 2012, Formal Ontology for Information Systems*, Graz, Austria, July 24 -27, 2012.

Member of the Program Committee of the International Workshop *ONTOBRAS-MOST 2011, the 4th Research Seminar of Ontologies in Brazil*, Gramado, RS, Brazil, September 12-14, 2011.

Member of the Program Committee of the International Workshop *FOMI 2011, Formal Ontology Meets Industry*, to be held in Delft (the Netherlands), July 7-8, 2011.

Member of the Program Committee of the International Workshop *VORTE-MOST 2010, The Joint 5th International Workshop on Vocabularies, Ontologies and Rules for The Enterprise and the International Workshop on Metamodels, Ontologies and Semantic Technologies*, Vitória, ES (Brazil), October 25-29, 2010.

Member of the Program Committee of the International Conference *FOIS 2010, Formal Ontology for Information Systems*, Toronto (Canada), May 11-14, 2010.

Program Co-Chair of the International Workshop *FOMI 2009, Formal Ontology Meets Industry*, Vicenza (Italy), September 2, 2009.

Member of the Program Committee of the International Conference *FOIS 2008, Formal Ontology for Information Systems*, Saarbrücken (Germany), October 31 – November 3, 2008.

Member of the Program Committee of the International Workshop *FOMI 2008, Formal Ontology Meets Industry*, Turin (Italy), June 5-6, 2008.

Member of the Program Committee of the International Workshop *FIRST 2007, Industrial Results for Semantic Technologies*, Busan (Korea), November 11-15, 2007.

Member of the Program Committee of the International Workshop *LOAIT 2007, Legal Ontologies and Artificial Intelligence Techniques*, Stanford University (USA), June 4, 2007.

Member of the Program Committee of the International Workshop *FOMI 2006, Formal Ontology Meets Industry*, Trento (Italy), December 14-15, 2006.

Organizer of the Workshop *Formal Ontologies for Communicating Agents*, in the scope of *ESSLLI 2006*, Malaga (Spain), July 31 luglio – August 11, 2006.

Member of the Organizing Committee of the *IPRa 2005*, conference on Pragmatics, Riva del Garda, TN (Italy), July 10-15, 2005.

Member of the Organizing Committee of the workshop *FOMI 2005, Formal Ontology Meets Industry*, Peschiera del Garda, VR (Italy), June 9-10, 2005.

Publicity Chair of the *4th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT-03)*, Stanford University (USA), June 18-21, 2003.

Member of the Organizing Committee of the *XIV European Summer School on Logic Language and Information (ESSLLI 2002)*, August 5-16, 2002, Trento (Italy).

Member of the Organizing Committee of the *I Scuola Estiva di Storia e Filosofia della Logica*, Rovereto, TN (Italy), September 27-30, 2000, school of the Società Italiana di Logica e Filosofia delle Scienze (SILFS).

Member of the Organizing Committee of the *2nd International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT-99)*, Trento (Italy), September 9-11, 1999.

L. Teaching

Courses

- | | |
|-----------|---|
| 2014-2015 | Course on <i>Computer Vision Meets Formal Ontology: advanced methods, recent applications and perspectives Stepping into Mixed reality</i> , PhD in Computer Science, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento. |
| 2011-2012 | Course on <i>Conceptual Modeling, Ontology Design, and Semantic Interoperability</i> , Professional Master in <i>Technologies for E-Government</i> , Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento. |
| 2010-2011 | Course on <i>Conceptual Modeling, Ontology Design, and Semantic Interoperability</i> , Professional Master in <i>Tech-</i> |

- nologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
- 2009-2010 Course on *Conceptual Modeling, Ontology Design, and Semantic Interoperability*, Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
- 2008-2009 Course on *Conceptual Modeling, Ontology Design, and Semantic Interoperability*, Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
- 2007-2008 Course on *Conceptual Modeling, Ontology Design, and Semantic Interoperability* Professional Master in *n Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
- 2007-2008 Education Project “Definizione del Catalogo delle Organizzazioni e delle Unità Operative” at the Servizio Politiche Sociali e Abitative della Provincia Autonoma di Trento.
- 2004-2005 Course in “Informatica Umanistica”, Faculty of Humanities, University of Trento.
- 2002-2003 Course in “Informatica Umanistica”, Faculty of Humanities, University of Trento.
- 2001-2002 Course in “Informatica Umanistica”, Faculty of Humanities, University of Trento.

Students' supervision

- 2018-2021 Supervision of the PhD Thesis of Luca Biccheri for the PhD in *Philosophy*, Dipartimento di Studi Umanistici, University of Urbino.
Title of the thesis: “Needs as Attitudes to Objects. A Philosophical Study for classifying PA's Services”.
- 2013-2016 Supervision of the PhD Thesis of Davide Conigliaro for the PhD in *Informatics*, Dipartimento di Informatica, University of Verona.
Title of the thesis: “Spectator Crowd: a Social Signal Processing Perspective”.

- 2011-2012 Supervision of the Master Thesis of Abdul Gafar Manuel Meque for the Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
Title of the thesis: “An Ontology-based Comparative Study of Standards for Business Process Engineering: Modeling Languages”.
- 2010-2011 Supervision of the Master Thesis of Tingting Shi for the Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
Title of the thesis: “Modeling Properties and Roles in Public Services: An Ontological Perspective”.
- 2009-2010 Supervision of the Master Thesis of Romano Trampus for the Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
Title of the thesis: “Service system development: application of the general service model ontology”.
- 2009-2010 Supervision of the Master Thesis of Briti Deb for the Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
Title of the thesis: “Research on Ontological Foundations of Services Science”.
- 2008-2009 Supervision of the Master Thesis of Arindam Ghosh for the Professional Master in *Technologies for E-Government*, Dipartimento di Ingegneria e Scienza dell'Informazione, University of Trento.
Title of the thesis: “Some considerations from ontological standpoint of modeling processes in the social domain”.

M. Participation in Projects

- 2012-2015 Principal Investigator of the Project *VisCoSo (Detection of crisis in socio-material systems via visual-cognitive-social processes)*: ISTC-CNR.
- 2020-2022 Project *OntoComons: (Ontology-driven data documentation for Industry Commons)*, Horizon 2020 CSA (Grant

- Agreement no. 958371).
- 2012 Project *Ristrutturazione ontologica del dizionario fiscale integrato: strumenti e processi (Ontological restructuring of the integrated fiscal dictionary: instruments and processes)*: ISTC-CNR (Laboratorio di Ontologia Applicata), IASI-CNR, ICAR-CNR, ISTI-CNR, SOGEI s.p.a.
- 2011-2012 Project FESR *Studio e sperimentazione di un ambiente software di business process (re)engineering per la modellazione concettuale di processi e di organizzazioni che consenta la critica interattiva delle scelte di modellazione fatte sulla base di vincoli di tipo logico, linguistico e ontologico (Study and experimentation of a software environment of business process (re)engineering for conceptual modeling of processes and organizations that allows an interactive critique of the modeling choices made on the basis of constraints of logical, linguistic and ontological kind)*: ISTC-CNR (Laboratorio di Ontologia Applicata), Business Process Engineering s.r.l..
- 2009-2011 Project *ICT4LAW (Information Communication Technologies for Law)*: ISTC-CNR (Laboratorio di Ontologia Applicata), Trento, Università di Torino, Augeos, CELI, Comdata, Convey, SSB Progetti, Istituto di Teoria e Tecniche dell'Informazione Giuridica (ITTIG-CNR), CIRS-FID, Xerox Research Center Europe.
- 2009-2010 Project *CSS (Cartella Socio Sanitaria)*: ISTC-CNR (Laboratorio di Ontologia Applicata), Trento, Fondazione Bruno Kessler (Trento), Dipartimento di Ingegneria e Scienza dell'Informazione dell'Università di Trento, Informatica Trentina, GPI, Engineering, Dedagroup, Provincia Autonoma di Trento, Comuni di Trento e di Rovereto and Azienda Provinciale per i Servizi Sanitari.
- 2007-2010 Individual Post-doc Project *EgovOnto (A Foundational Ontology for e-Government)*: ISTC-CNR.
- 2006-2009 Project *TOCAI.IT (Tecnologie Orientate alla Conoscenza per Aggregazioni di Imprese su Internet)*: ISTC-CNR (Laboratorio di Ontologia Applicata), Trento, Consorzio Interuniversitario Nazionale per l'Informatica, CM Sistemi s.p.a., SELEX Sistemi Integrati, Think3 Inc.

- 2004-2007 Project *MOSTRO (Modeling Security and Trust in Organizations)*: ISTC-CNR (Laboratorio di Ontologia Applicata), Trento, Università di Trento e IRIT-CNRS di Tolosa.
- 2001-2004 Project *TICCA (Tecnologie Cognitive per l'Integrazione e la Cooperazione Con Agenti artificiali)*: Istituto di Sistemistica e Bioingegneria del CNR, Istituto per la Ricerca Scientifica e Tecnologica (ITC-IRST) di Trento, Istituto di Psicologia del CNR di Roma, Istituto di Fonetica e Dialettologia del CNR di Padova.
- 2001-2004 Project *EDAMOK (Enabling Distributed and Autonomous Management Of Knowledge)*: Università di Trento e ITC-IRST di Trento.

N. Visiting Periods

- 09/2017-08/2018 One year Visiting Fellowship at the *School of Philosophy, Religion and History of Science* of the *University of Leeds*.
- 10/2003-05/2004 *EPGY (Educational Program for Gifted Youth)* and *Stanford University*, invited by Prof. Patrick Suppes.
- 09/2001-02/2002 *Université Marc Bloch de Strasbourg*, co-tutorship program.
- 04/2001-06-2001 *CSLI (Center for the Study of Language and Information)* and *Stanford University*, invited by Prof. John Perry.
- 09/2000-02/2001 *Université Marc Bloch de Strasbourg*, co-tutorship program.

O. Foreign Languages

TOEFL – Test of English as Foreign Language – Computer Based Test:

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken Production	
English	C2	C2	C2	C2	C2
French	C1	C1	C1	C1	B2
Spanish	C1	C1	C1	C1	B1
German	A2	A2	A2	A2	A1

Table 2: Self-assessment — Common European Framework of Reference (CEF) level. A1, A2: Basic User; B1, B2: Independent User; C1, C2: Proficient User.

287/300 – accomplished Dec 7, 2002.

September 27, 2021