

Dr. Alessandro Oltramari

CURRICULUM VITAE

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SCIENTIFIC AND PROFESSIONAL EXPERIENCE

JULY 2016 – PRESENT

Research Scientist and Project Leader at Bosch Research and Technology Center

Projects

2016-2018

Ubiquitous Personal Assistant for Healthcare Applications

2019-2020

Knowledge Engineering/Multi-modal Scene Understanding

2019-2020

HyKAS - Hybrid Knowledge Architecture for Interactive Systems*

2020-present

Hybrid AI for Emission Calibration Project Feasibility Assessment

2020-present

Conversation Understanding and Personalized Dialogue (*evolution of HyKAS)

NOVEMBER 2020 – PRESENT

Research Associate at the Institute of Cognitive Sciences and Technologies (ISTC), Italian National Research Council

NOVEMBER 2010 – JUNE 2016

Post-doctoral Research Associate, Carnegie Mellon University, Pittsburgh (USA)

2010-2013, Psychology department/Robotics Institute

Project/1: **Machine-based Visual Intelligence for Smart Cameras.**

Sponsor: DARPA (Defense Advanced Research Projects Agency) Mind's Eye.

Program Manager Dr. Jim Donlon

Project/2: **Robotics Collaborative Technology Alliance (RCTA).**

Sponsor: ARL (Army Research Laboratory).

Program Manager: Jonathan Bornstein

Project/3: **Understanding Conflict Resolution with a Socio-Cognitive Computational Approach**

Sponsor: DTRA (Defense Threat Reduction Agency).

Program Manager: Robert Kehlet.

2014-June 2016, CyLab/School of Computer Science

Project/4: **Models for Enabling Continuous Reconfigurability of Secure Missions (MACRO) - Cyber-Security Collaborative Research Alliance (CRA)**

Sponsor: ARL (Army Research Laboratory).

Program Manager: Ananthram Swami

Project/5: **Towards effective Web privacy notice and choice: a multi-disciplinary perspective** – Secure and Trustworthy Computer Program

Sponsor: NSF (National Science Foundation).
Program Manager: Christopher Clifton.

Project/6: ***Personalized Privacy Assistants for the Internet of Things***

Sponsor: DARPA Brandeis Program
Program Manager: John Launchbury.

SEPTEMBER 2007 – OCTOBER 2010

Post-doctoral Research Associate, Institute of Cognitive Sciences and Technologies, National Research Council, Trento, Italy.

Project/1: ***Knowledge-oriented Technologies for Business Integration in Internet.***

Sponsor: Italian Ministry of Research and Education.

Project/2: ***Analysis and definition of an operational methodology to improve data management relative to the reception of samples (with particular emphasis to food safety).***

Sponsor: Istituto Zooprofilattico delle Venezie.

MARCH 2009 – SEPTEMBER 2009

Part-time Research Associate at the Department of Management and Engineering University of Padua, Italy.

Project: ***New organizational models for Knowledge Management in Extended Enterprise***

Sponsor: Italian Ministry of Research and Education (FIRB program).

March 2007 – SEPTEMBER 2007

Computational Linguist at COGITO s.r.l., Rovereto (Trento), Italy

Subject: ***Development of a Semantic Network for English and Italian; Testing Algorithms for Automatic Lexicalization; Disambiguation for Q/A systems;***

AUGUST 2006 – MARCH 2007:

Research Associate at Institute of Cognitive Sciences and Technologies, National Research Council, Trento, Italy.

Project: ***Knowledge-oriented Technologies for Business Integration in Internet.***

Sponsor: Italian Ministry of Research and Education.

AUGUST 2004 – JULY 2006:

Research Grantee at Institute of Cognitive Sciences and Technologies, National Research Council, Trento, Italy.

Project: ***Modeling Security and Trust Relationships within Organizations.***

Sponsor: Autonomous Province of Trento, Italy.

JULY 2003 – JULY 2004:

Research Grantee at Institute of Cognitive Sciences and Technologies, National Research Council, Trento, Italy.

Project: ***TICCA – Cognitive Technologies for the Interaction and Cooperation of Artificial Agents.***

Sponsor: Autonomous Province of Trento, Italy

FEBRUARY 2001 – JUNE 2003:

Research Grantee at the Laboratory of System Engineering and Biomedicine Padua, Italy.

Project: ***Intelligent Knowledge Fusion.***

Sponsor: EU - Eureka Project !2235.

OCTOBER 2000 – JANUARY 2001:

Research Grantee at the Laboratory of System Engineering and Biomedicine Padua, Italy.

Subject: ***Applying OntoClean Methodology to Lexical Resources - Conceptual Analysis of Princeton WordNet Top-Level.***

Sponsor: CNR

PATENTS

Pending:

- **EP3502921A1/US20190197059A1**
GENERATING DIALOGUE THROUGH SIMULATION

- **RBPA 0116 PUS R382221 & DE102019217810.3A**
SYSTEM AND METHOD FOR ADJUSTING CONTROL OF AN AUTONOMOUS VEHICLE USING CROWD-SOURCED DATA

- **US20200209000A1 & DE102019217810A1**
SYSTEM AND METHOD FOR CROWDSOURCED DECISION SUPPORT FOR IMPROVING PUBLIC TRANSIT RIDING EXPERIENCE

EDUCATION

- **10/2006 PhD in Cognitive Science**, University of Trento (Italy),
 - Title: “Hybridism in Cognitive Science and Technology – Foundational and Implementational issues”.
 - *Advisors*: Prof. Liliana Albertazzi¹, Nicola Guarino²
 - ¹Psychology Department, University of Trento, Trento, Italy
 - ²Institute of Cognitive Science and Technologies (CNR), Trento, Italy

- **03/2000 – BSc and MCs in Philosophy of Science and Mathematical Logics**, University of Padua (Italy), “The Concept of Time in Moritz Schlick’s Philosophy”
 - *Advisor*: Prof. Giovanni Boniolo

VISITING PERIODS

MARCH 2005 – MAY 2005 & AUGUST 2006 – OCTOBER 2006:

Research Associate at Princeton University (USA), Cognitive Science Laboratory.

Supervisor: Dr. Christiane Fellbaum

Subject: ***Semantic Analysis of WordNet Lexical Database.***

AWARDS

- **June 22nd, 2015**
 - **“Above and Beyond Award”**
 - Detail: US Army Research Lab’s official recognition for achievements in the Cyber-Security Collaborative Research Alliance Program.

- **November 20th, 2015**
 - **Best Paper Award** at the 10th International Conference on Semantic Technologies for Intelligence, Defense and Security
 - Title: Ontology-based Adaptive Systems of Cyber Defense¹.

KEYNOTES

- **Formal Ontology and Information Systems (FOIS 2018), September 10-14, 2018, Cape Town (South Africa):**
 - “Ontologies for Artificial Minds”

- **TriCoLore 2018 – Creativity – Cognition – Computation (University of Bolzano, Italy), December 13-14, 2018**
 - “Multi-modal Sense-Making”

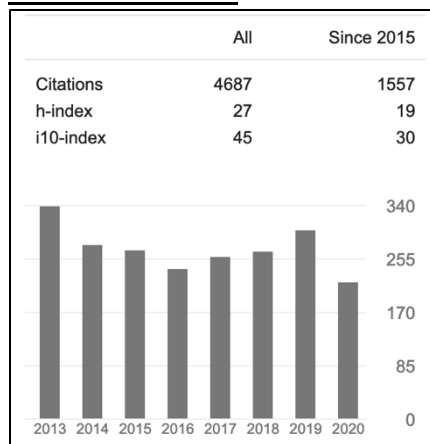
INVITED PANELS

- **U.S. Semantic Technologies Symposium Series (US2TS 2018), March 1-2, 2018:** “Cross Cutting Technologies” (Wright State University, Dayton, OH)

- **U.S. Semantic Technologies Symposium Series (US2TS 2019), March 11-13, 2019:** “Semantic Web Technologies in the U.S.–five & ten years from now

¹ http://ceur-ws.org/Vol-1523/STIDS2015_Preface.pdf

PUBLICATIONS



Source: Google Scholar (Last updated: November 18, 2020)

Edited Books

1. A. Oltramari, P. Vossen, L. Qin, E. Hovy. *New Trends of Research in Ontologies and Lexical Resources*. Springer, 2013.
2. C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (Editors), 2010. *Ontology and the Lexicon*. Cambridge University Press.
3. R. Ferrario, A. Oltramari (Editors). *Formal Ontologies Meet Industry*. IOS Press, 2009.

Journal Articles

1. A. Lieto, M. Bhatt, A. Oltramari A, D. Vernon. The role of cognitive architectures in general artificial intelligence. *Cognitive Systems Research*. 2018;48:1-3.
2. A. Oltramari A, D. Piraviperumal, F. Schaub, S. Wilson, S. Cherivirala, T.B. Norton, N.C., Russell, P. Story, J. Reidenberg, N. Sadeh. PrivOnto: A semantic framework for the analysis of privacy policies. *Semantic Web Journal*. 2018 Jan 1;9(2):185-203.
3. A. Oltramari, A. Kott. Towards a Reconceptualisation of Cyber Risk: An Empirical and Ontological Study. *Journal of Information Warfare*. 2018;17(1):49-73.
4. G. Pozza, S. Borgo, A. Oltramari, L. Contalbrigo, S. Marangon. Information and organization in public health institutes: an ontology-based modeling of the entities in the reception-analysis-report phases. *Journal of biomedical semantics*. 2016 Dec;7(1):51.
5. A. Oltramari, Bolisani. Knowledge as a measurable object in business contexts: a stock-and-flow approach, *Knowledge Management Research & Practice* 10: 2012, 275-286.

6. A. Oltramari, E. Bolisani, S. Borgo. Using Knowledge as an object: challenges and implications, *Knowledge Management Research & Practice*, 10: 2012, 202-205.
7. G. Vetere, A. Oltramari, I. Chiari, E. Jezek, L. Vieu, F. Zanzotto. Senso Comune, an Open Knowledge Base for Italian. *Traitement Automatique des Langues 2011 Volume 52*, (3) 2011, 217-243.
8. A. Oltramari. A Tutoring Methodology for the Enrichment of Ontologies. *Cahiers de Lexicologie*, Classique Garnier, 99, (2) 2011, 221-229.
9. A. Oltramari. An Introduction to Hybrid Semantics: The Role of Cognition in Semantic Resources. *Modeling, Learning, and Processing of Text Technological Data Structures Studies in Computational Intelligence*. Volume 370, 2011, 97-109.
10. S. Borgo, R. Ferrario, C. Masolo, A. Oltramari, 2009. *Mereogeometry and Pictorial Morphology*. Image – Journal of Interdisciplinary Image Science, n. 5, Chapter 3 of the thematic part “Computational Visualistics and Picture Morphology”. Köln: Herbert-von-Halem-Verlag, 36-49.
11. A. Gangemi, N. Guarino, C. Masolo, A. Oltramari, 2003. *Sweetening WordNet with DOLCE*. *AI Magazine* 24, 3, Fall 2003, 13-24. AAAI Press.
12. A. Oltramari, S. Borgo, C. Catenacci, R. Ferrario, A. Gangemi, N. Guarino, C. Masolo, N. Pisanelli, 2003. *Negoziati di significato*. *Sistemi Intelligenti*, Anno XV, n. 3/ dicembre 2003, 419-428, Il Mulino.
13. C. Masolo, A. Oltramari, A. Gangemi, N. Guarino, L. Vieu, 2003. *La Prospettiva dell’Ontologia Applicata*. *Rivista di Estetica* (22), 2003, 170-183, Rosenberg & Sellier.

Chapters in Books

1. Oltramari A., Francis J, Henson C, Ma K., Wickramarachchi R. Neuro-Symbolic Architectures for Context Understanding. In “Knowledge Graphs for eXplainable Artificial Intelligence: Foundations, Applications and challenges. *Studies on the Semantic Web* (47), Ed. I. Tididi, F. Lecué, P. Hitzler. 2020
2. Oltramari A. Artificial Intelligence Within the Bounds of Ontological Reason. In *Ontology Makes Sense 2019*, Vol. 316 of *Frontiers in Artificial Intelligence and Applications*, (pp. 37-48), IOS Press.
3. S. A. Flowers, Sidney C. Smith, A. Oltramari, (2016). “Security Taxonomies of Industrial Control Systems”. E. Colbert, A. Kott (eds.), *Cyber-security of SCADA and Other Industrial Control Systems*, Springer.
4. A. Oltramari, E. Bolisani (2015). “Knowledge as a measurable object in business contexts: a stock-and-flow approach” (reprint). J.S. Edwards (ed.), *The Essentials of Knowledge Management*. Palgrave Macmillan
5. C. Gonzalez, C., N. Ben-Asher, A. Oltramari, C. Lebiere, 2014. “Cognition and Technology”. In Wang, C., Kott, A., Erbacher, R. (Eds.), *Cyber Defense and Situational Awareness*, Springer-Verlag.

6. A. Oltramari, and C. Lebiere. "Knowledge in action: Integrating cognitive architectures and ontologies". *New trends of Research in Ontologies and Lexical Resources*. Springer Berlin Heidelberg, 2013. 135-154.
7. L. Prévot, A. Oltramari, S. Borgo (2010). "Interfacing ontologies and lexical resources". In C. R. Huang, Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (Editors), Chapter 11, 229-245. *Ontology and the Lexicon*. Cambridge University Press.
6. A. Oltramari, G. Vetere, E. Jezek, I. Chiari, F. Zanzotto, M. Nissim, A. Gangemi (2013). "Senso Comune: A Collaborative Knowledge Resource for Italian". *The People's Web Meets NLP: Collaboratively Constructed Language Resources*. Springer-Verlag, 45-67.
7. C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (2010). "Introduction *Ontology and the Lexicon*. C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (eds.), Chapter 5, 91-97. *Ontology and the Lexicon*. Cambridge University Press.
8. R. Ferrario, A. Oltramari (2009) "Preface". *Formal Ontologies Meet Industry*, v-vii, IOS Press.
9. A. Oltramari, A. Gangemi, C. R. Huang, N. Calzolari, A. Lenci, L. Prévot (2010). "Synergizing Ontologies and the Lexicon: a roadmap". In C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (Editors), Chapter 5, 91-97. *Ontology and the Lexicon*. Cambridge University Press.
10. L. Prévot, C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari (2010). "Ontologies and the Lexicon: A multi-disciplinary perspective". In C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (Editors), Chapter 1, 3-29. *Ontology and the Lexicon*. Cambridge University Press.
11. A. Gangemi, N. Guarino, C. Masolo, A. Oltramari (2010). "Interfacing WordNet with DOLCE: towards OntoWordNet". In C. R. Huang, N. Calzolari, A. Gangemi, A. Lenci, A. Oltramari, L. Prévot (Editors), Chapter 3, 47-66. *Ontology and the Lexicon*. Cambridge University Press.

Papers in Refereed Conferences and Workshops

1. K. Ma, F. Ilievski, J. Francis, Y. Bisk, E. Nyberg, A. Oltramari. "Knowledge-driven Data Construction for Zero-shot Evaluation in Commonsense Question Answering". Paper accepted at AAAI 2021 (Thirty-Fifth AAAI Conference on Artificial Intelligence), February 2-9, 2021.
2. Y. Li, P. Goel, V. Rajendra, H. Singh, J. Francis, K. Ma, E. Nyberg, A. Oltramari. "Lexically-constrained Text Generation through Commonsense Knowledge Extraction and Injection". Paper accepted at AAAI workshop on Common Sense Knowledge Graphs, to be held in conjunction with AAAI 2021 (Thirty-Fifth AAAI Conference on Artificial Intelligence), February 8, 2021.

3. S. Somers, A. Oltramari, and C. Lebiere. "Cognitive Twin: A Personal Assistant Embedded in a Cognitive Architecture." Proceedings of ICCM 2020 (International Conference on Cognitive Modeling), July 22-31 2020.
4. S. Somers, A. Oltramari, C. Lebiere. Cognitive Twin: A Cognitive Approach to Personalized Assistants. Proceedings of AAAI Spring Symposia 2020 (AAAI-MAKE: Combining Machine Learning and Knowledge Engineering in Practice), March 23-25 2020.
5. K. Ma, J. Francis, Q. Lu, E. Nyberg, A. Oltramari. Towards Generalizable Neuro-Symbolic Systems for Commonsense Question Answering. In COIN workshop (Commonsense Inference in Natural Language Processing), at EMNLP 2019, Hong Kong.
6. Oltramari A, Szurley J, Das S, Francis J, Li J. Towards Knowledge Oriented Intelligent Audio Analytics. In Workshops at the Thirty-Second AAAI Conference on Artificial Intelligence 2018 Jun 20.
7. N.B. Asher, A. Oltramari, C. Gonzalez, R. Erbacher. Ontology-based Adaptive Systems of Cyber Defense. *STIDS 2015 (10th International Conference on "Semantic Technology for Intelligence, Defense, and Security"*, Fairfax (VA), 18-20 November, CEUR Workshop Proceedings.
8. A. Oltramari, D. Henshel, M. Cains, B. Hoffman. Towards a Human Factors Ontology for Cyber Security. *STIDS 2015 (10th International Conference on "Semantic Technology for Intelligence, Defense, and Security"*, Fairfax (VA), 18-20 November, CEUR Workshop Proceedings.
9. A. Oltramari, J. Hee-Cho. ComTrustO: Composite Trust-based Ontology Framework for Information Fusion. *FUSION 2015 (18th International Conference on Information Fusion)*, Washington D.C., 6-9 July 2015.
10. A. Oltramari, L.F. Cranor, R. Walls, P. McDaniel. Computational Ontology of Network Operations. *MILCOM 2015 (34th International Conference for Military Communications)*, Tampa, FL, October 26th-28th 2015.
11. A. Oltramari, L. Cranor, R. Walls, P. McDaniel, R. Building an Ontology of Cyber Security. *STIDS 2014 (9th International Conference on "Semantic Technology for Intelligence, Defense, and Security"*, Fairfax (VA), 18-21 October, CEUR Workshop Proceedings, Vol-1304, 54-61.
12. A. Oltramari, N. Ben-Asher, L. Cranor, L. Bauer, N. Christin. General Requirements of a Hybrid Modeling Framework for Cyber Security. *MILCOM 2014 (33rd International Conference for Military Communications)*, Baltimore, MD, October 6-8, 2014.
13. A. Oltramari, Y. Vinokurov, C. Lebiere, J. Oh, A. Stentz. Ontology-based Cognitive System for Contextual Reasoning in Robot Architectures. *AAAI Spring Symposium on Knowledge Representation and Reasoning in Robotics*, Stanford, USA, 24-26 March 2014.
14. A. Oltramari, Y. Vinokurov, C. Lebiere, J. Oh, A. Stentz. A Hybrid Cognitive System for Spatial Reasoning in a Robotics Framework. *Second Annual Conference on Advances in Cognitive Systems*, Baltimore, USA, December 12-14.

15. A. Oltramari, C. Lebiere, L. Vizenor, W. Zhu, R. Dipert. Towards a Cognitive System for Decision Support in Cyber Operations. *STIDS 2013 (8th International Conference on "Semantic Technology for Intelligence, Defense, and Security"*, Fairfax (VA), CEUR Workshop Proceedings, Vol-1097, 94-100.
16. A. Oltramari, N. Ben-Asher, C. Lebiere, C. Gonzalez. Fairness and Efficiency Aspects of Cooperation in Repeated Social Interaction, *Proceedings of the 35th Annual Conference of the Cognitive Science Society*, 2013, 175-181.
17. A. Oltramari, C. Lebiere, N. Ben-Asher, C. Gonzalez. Modeling Strategic Dynamics Under Alternative Information Conditions, *Proceedings of ICCM 2013 (International Conference of Cognitive Modeling)*, Ottawa, Canada, 390-395.
18. A. Oltramari, C. Lebiere. Pursuing Artificial General Intelligence By Leveraging the Knowledge Capabilities Of ACT-R. In AGI 2012 (5th International Conference on "Artificial General Intelligence"), Oxford (UK), 199-208.
19. A. Oltramari, C. Lebiere. Using Ontologies in a Cognitive-Grounded System: Automatic Action Recognition in Video Surveillance, *STIDS 2012 (7th International Conference on "Semantic Technology for Intelligence, Defense, and Security"*), CEUR Workshop Proceedings, Vol-966, 20-27.
20. A. Oltramari, C. Lebiere. Extending Cognitive Architectures with Semantic Resources, *Proc. of "The Fourth Conference on Artificial General Intelligence" (AGI 2011, Mountain View, California, USA, August 3-6). "Springer Lecture Notes in Artificial Intelligence" 2011*, 222-231.
21. P. Shvaiko, A. Oltramari, R. Cuel, G. Pozza, Angelini. *Generating innovation with semantically enabled TasLab portal*. Proc. of ESWC 2010 (7th Extended Semantic Web Conference), 30 May – 3 June, Heraklion (Greece). The Semantic Web: Research and Applications Lecture Notes in Computer Science Volume 6088, 2010, 348-363.
22. A. Oltramari, G. Vetere, M. Lenzerini, A. Gangemi, N. Guarino. *Senso Comune*. Proc. of LREC 2010 (7th International Conference on Language Resources and Evaluation), 17 -23 May, La Valletta, Malta, 3873-3877.
23. E. Ovchinnikova, L. Vieu, A. Oltramari, S. Borgo. *Data-driven and Ontological Analysis of FrameNet for Natural Language Processing*. Proc. of LREC 2010 (7th International Conference on Language Resources and Evaluation), 17 -23 May, La Valletta, Malta, 3157-3164.
24. A. Oltramari, E. Bolisani, 2009. *Formalizing Knowledge as a Measurable Economic Asset: an Interdisciplinary Approach*. Proc. of ECKM 2009 (10th European Conference on Knowledge Management), 3-4 September, Vicenza, Italy.
25. R. Ferrario, A. Oltramari, 2004. *Towards a Computational Ontology of Mind*. In A. Varzi, L. Vieu (editors). Proc. of FOIS 2004 (3rd International Conference on Formal Ontology in Information Systems). 4-6 November, Turin, Italy, 267-277, IOS Press.

26. A. Gangemi, N. Guarino, C. Masolo, A. Oltramari, L. Schneider, 2002. *Sweetening Ontologies with DOLCE*. A. Gómez-Pérez, R. Benjamins (editors). Proc. of EKAW 2002 (13th International Conference on Knowledge Engineering and Knowledge Management), 1-4 October, Sigüenza, Spain, 166-181, Lecture Notes in Computer Science, Vol. 2473, Springer-Verlag.
27. A. Gangemi, N. Guarino, A. Oltramari, 2001. *Conceptual Analysis of Lexical Taxonomies: The Case of WordNet Top-Level*. C. Welty, B. Smith (editors). Formal Ontology in Information Systems. Collected papers from the 2nd International Conference (FOIS2001), 17-19 October, Ogunquit, USA, 285-296, ACM Press.
28. A. Oltramari, 2006. *"LexiPass" methodology: a conceptual path from frames to senses and back*. Proceedings of LREC 2006 (5th International Conference on Language Resources and Evaluation), Genoa (Italy), 2311-2314.
29. A. Gangemi, N. Guarino, A. Oltramari, S. Borgo, 2002. *Cleaning-up WordNet's Top-Level*. Proc. of the 1st International WordNet Conference, 21-25 January 2002, Mysore, India.
30. A. Oltramari, 2005. *Representation, presentation and conceptual schemas*. Proceedings of Thirteenth Trieste Symposium on Perception and Cognition, 10th December, Trieste, Italia.
31. R. Ferrario, A. Oltramari, 2004. *COME (Computational Ontology of Mental Entities)*. Proc. of AISC 2004 (2nd Conference of the Italian Association of Cognitive Science), Ivrea, Italy, 38-50.
32. A. Oltramari, A. Gangemi, N. Guarino, C. Masolo, 2002. *Restructuring WordNet's Top-Level: The OntoClean approach revisited*. Proceedings of AI*IA (8th Conference of the Italian Association for Artificial Intelligence), 10-13 September, Siena, Italy.
33. I. Chiari, A. Gangemi, E. Jezek, A. Oltramari, G. Vetere, L. Vieu. "An open knowledge base for Italian language in a collaborative perspective", DH-CASE 2013: Collaborative Annotations in Shared Environments: metadata, vocabularies and techniques in the Digital Humanities (Florence, September 10th 2013).
34. A. Oltramari. *Enabling the Cognitive Semantic Web*. Workshop on "What will the Semantic Web look like 10 years from now". In conjunction with the 11th International Semantic Web Conference 2012 (ISWC 2012), November 11-15, Boston (USA).
35. A. Oltramari, C. Lebiere. Mechanism Meet Content: Integrating Cognitive Architectures and Ontologies. Proc. of AAAI 2011 Fall Symposium of "Advances in Cognitive Systems" (Arlington, Virginia, November 4-6 November 2011), 257-264.
36. E. Bolisani, A. Oltramari. *Capitalizing Flows of Knowledge: Models and Accounting Perspectives*, Proceedings of IFKAD 2009 (International Forum on Knowledge Asset Dynamics), Glasgow (UK)
37. A. Oltramari, A. Stellato. *Enriching Ontologies with Linguistic Content*, Proc. of OntoLex 2008 (Workshop on Ontologies and Lexical

- Resources), hosted by 6th International Conference on Language Resources and Evaluation, Marrakech (Morocco).
38. A. Oltramari, G. Vetere, 2008. *Lexicon and Ontology Interplay in Senso Comune*, Proc. of OntoLex 2008 (Workshop on Ontologies and Lexical Resources), hosted by 6th International Conference on Language Resources and Evaluation, Marrakech (Morocco).
 39. L. Prévot, S. Borgo, A. Oltramari, 2005. *Interfacing Ontologies and Lexical Resources*, Proc. of OntoLex 2005 (Workshop on Ontologies and Lexical Resources), 15 October, Jeju Island, South Korea.
 40. A. Oltramari, A. Gangemi, N. Guarino, C. Masolo, 2002. *Restructuring WordNet's Top-Level: The OntoClean approach*. R. S. Araujo (editor). Proc. of LREC 2002 (The 4th International conference on Language Resources and Evaluation - Workshop OntoLex 2002 – Ontologies and Lexical Resources, 27 May, Las Palmas de Gran Canaria, Spain), 17-22.
 41. A. Gangemi, N. Guarino, C. Masolo, A. Oltramari, 2001. *Understanding top-level ontological distinctions*. A. Gómez-Pérez, M. Gruninger, R. Stuckenschmidt, M. Uschold (editors). Proc. of Workshop on Ontologies and Information Sharing (Seattle, USA) - IJCAI 2001 (23th International Joint Conference on Artificial Intelligence, August 4-5), 26-33, CEUR-WS.org Series.
 42. A. Oltramari, L. Prévot, S. Borgo, 2005. *Theoretical and practical aspects of interfacing ontologies and lexical resources*. Proc. of SWAP 2005 (2nd Italian Workshop on Semantic Web Applications and Perspectives), 14-16 December, Trento, Italy.
 43. R. Ferrario, A. Oltramari, 2004. *The COM Perspective on Intentional Agents*. Proc. of SWAP 2004 (the 1st Italian Workshop on Semantic Web Applications and Perspectives), 10th December, Ancona, Italy.
 44. A. Oltramari. *The Cognitive Matrix: an hybrid perspective on mind*. Proc. of TSC2007 (International Conference "Towards a Science of Consciousness"), 23-26 July 2007, Budapest, Hungary.
 45. A. Oltramari. *The Psychophysical chimaera*. Proc. of TSC 2002 (International Conference "Towards a Science of Consciousness"), 8th April 2002, Tucson, USA.
 46. R. Trypuz, A. Oltramari, L. Vieu, 2007. *Ontology of Actions and Mental Entities*. Proc. of Workshop on "Concepts, Actions and Objects: Functional and Neural Perspectives", 19-22 April 2007, Rovereto), Italy.

Entries in Dictionaries and Encyclopedias

1. A. Oltramari. Representation, Presentations, and Conceptual Schemas. , *"Encyclopedia of the Sciences of Learning"*, Chapter 1717, Springer Science+Business Media, 2011, 958.

Technical Reports

1. C. Masolo, S. Borgo, A. Gangemi, N. Guarino, A. Oltramari, 2005. *WonderWeb Deliverable D18 – Ontology Library* (technical report).
2. C. Masolo, S. Borgo, A. Gangemi, N. Guarino, A. Oltramari, L. Schneider, 2002. *WonderWeb Deliverable D17. The WonderWeb Library of Foundational Ontologies and the DOLCE ontology* (technical report).

TEACHING EXPERIENCE

- **FALL SEMESTER 2015**
 - *Lecturer, Carnegie Mellon University*
 - Tutorial: Ontologies for Security and Privacy.
- **FEBRUARY – MARCH 2010**
 - *Adjunct Professor at the Master in e-Government (Prof. Guarino), University of Trento, Italy*
 - Topic: Basics for implementing OWL ontologies.
- **MAY – JUNE 2009**
 - *Adjunct Professor at the Master in e-Government (Prof. Guarino), University of Trento, Italy*
 - Topic: Basics for implementing OWL ontologies.
- **MARCH – APRIL 2009**
 - *Adjunct Professor at the Master in Human Language Technologies (Prof. Laure Vieu), University of Trento, Italy*
 - Topic: Basics for implementing OWL ontologies.
- **MAY 2006**
 - *Invited Lecturer at Institute for Formal Ontology and Medical Information Science (IFOMIS) – Faculty of Medicine, University of Leipzig, Germany*
 - Topic: Ontologies, lexical resources and artificial agents.

INVITED TALKS

- **Menlo Park, CA (USA), SRI International, AI Center, 06/28/2010**
 - Hybrid Semantic Resources
- **Povo (TN), Italy (Fondazione Bruno Kessler), 02/05/2009**
 - *Populating Senso Comune with TMEO*
- **Porto (Portugal), University of Porto, INESC (Institute of Systems and Computing Engineering of Porto), 10/28/2009**

- *A Hybrid Perspective on Semantics*
- **Vicenza (Italy), University of Padua, 12/06/2008**
 - *Invited lecture in the course on “Economics of Networks and E-Commerce”(held by Prof. Bolisani)*
 - *The Business of Meaning.*
- **Bielefeld, Germany (Processing Text-Technological Resources), 03/13/2008**
 - *On the boundary between ontologies and lexical resources*
- **Vicenza (Italy), University of Padua, 04/29/2008**
 - *Invited lecture in the course on “Economics of Networks and E-Commerce”(held by Prof. E. Bolisani)*
 - *From Knowledge Contents to Ontologies: an Introduction to Applied Ontology.*
- **Princeton, USA - Cognitive Science Lab, Princeton University, 22/03/2005**
 - *Talk: Towards ACKIRA: Affective and Cognitive Knowledge base for Interaction Resources in Agent technologies.*
- **Hawthorne (NY), USA, IBM Watson Research Center, 05/25/2005**
 - *Talk: ACKIRA: Affective and Cognitive Knowledge base for Interaction Resources in Agent technologies.*
- **Padova, Italy (Webb.it 2003), 09/05/2003**
 - *Talk: Artificial Agents and Ontologies.*
- **Leipzig, Germany (IFOMIS - Institute for Formal Ontology and Medical Information Science), 06/9-11/2003**, three-days lecture series about ontologies, lexical resources and artificial agents.
- **Ancona, Italy (Università delle Marche), 18/06/2003**
 - *Talk: From Formal Ontology to Semantic Web.*

PROFESSIONAL SERVICES

CONFERENCE PROGRAM COMMITTEE

- **ECAI 2020** (European Conference on Artificial Intelligence)
- **LREC 2006, 2008, 2010, 2012, 2014, 2015** (International conference on Language Resources and Evaluation)
- **Workshop @ AI*IA 2006** (Conference of the Italian Association for Artificial Intelligence): “Cooperative Construction of Linguistic Knowledge Bases”.
- **Workshop @ ESWC 2008** (European Semantic Web Conference): “Knowledge Reuse and Reengineering over the Semantic Web

- **EACL 2009** (Conference of the European Chapter of the Association for Computational Linguistics)
- **OntoContent 2009, 2010** (International Workshop on Ontology Content)
- **1st on the Multilingual Semantic Web @ ISWC 2010** (International Semantic Web Conference)
- **ESWC 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019** (European Semantic Web Conference)
- **ISWC 2014, 2015, 2018, 2019** (International Semantic Web Conference - Posters and Demonstrations Track)
- **WOP 2012, 2014, 2015** (Workshop on Ontology Patterns)
- **ACL 2013, 2014** (Annual Meeting of the Association for Computational Linguistics)
- **COLING 2014** (Area Chair in Lexical Semantics and Ontologies)
- **MILCOM 2014, 2015** (Military Communications Conference)
- **ACM SAC 2017, 2018, 2019, 2020** (Symposium On Applied Computing – Cognitive Computing track)

CONFERENCE ORGANIZING COMMITTEE

- Co-organizer of 1st workshop on Common Sense Knowledge Graphs, to be held as part of AAAI 2021
- Co-organizer of the International workshop *OntoLex (Ontologies and Lexical Resources)*:
 - 2004 (29th May), Lisbon, Portugal
 - 2005 (15th October), Jeju, S. Korea
 - 2006 (27th May), Genoa, Italy
 - 2007 (11th November), Busan, S. Korea
 - 2008 (31st May, Marrakech, Morocco
 - 2010 (22nd August, Beijing, China)
- Co-organizer of the Fourth International Workshop “Formal Ontologies Meet Industry” (FOMI), Vicenza, 2nd September 2009)
- Co-organizer of the 9th International Conference on Semantic Technologies for Defense, Intelligence and Security (STIDS 2014), Fairfax (VA), USA, 18-21 November 2014)
- Co-organizer of the 10th International Conference on Semantic Technologies for Defense, Intelligence and Security (STIDS 2015), Fairfax (VA), USA, 18-20 November 2014)
- Co-organizer of the 10th International Conference on Semantic Technologies for Defense, Intelligence and Security (STIDS 2016), Fairfax (VA), USA, 15-16 November 2016)
- Co-organizer of the AAAI Fall Symposium 2016 on Privacy and Language Technologies, 17-19 November 2016

CONFERENCE REFEREEING

- **FOIS 2001, 2004, 2006, 2008, 2010, 2012, 2014** (International Conference on Formal Ontology in Information Systems)
- **AI*IA 2002, 2004, 2009** (Conference of the Italian Association for Artificial Intelligence)
- **EKAW 2002** (International Conference on Knowledge Engineering and Knowledge Management)
- **IJCAI 2003** (International Joint Conference on Artificial Intelligence)
- **KR 2004** (International Conference on the Principles of Knowledge Representation and Reasoning)
- **CogSci 2005, 2013** (Conference of the Cognitive Science Society)
- **COLING 2008, 2014** (International Conference on Computational Linguistics)
- **ESWC 2009, 2016, 2017, 2018, 2019** (European Semantic Web Conference)
- **ISWC 2009, 2014, 2015, 2016, 2017, 2018, 2019** (International Semantic Web Conference)
- **ICCM 2013** (International Conference on Cognitive Modeling)

JOURNAL REFEREEING

- **Journal of Linguistic Resources and Evaluation**
- **Cognitive Science**
- **Journal of Artificial Intelligence Research**
- **Journal of Data Semantics**
- **Semantic Web Journal**
- **Applied Ontology**
- **Information Systems**
- **Transactions on Computer-Human Interaction**