Europass Curriculum Vitae

Personal information

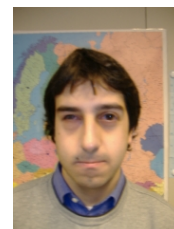|	
Name / Surname	**Bozzato Loris**
Address	Office: Data and Knowledge Management Unit, CIT-IRST, Fondazione Bruno Kessler, Via Sommarive 18, 38123 Trento Povo (TN), Italia
Telephone	Office: +39 0461 314 331
Fax	+39 0461 302 040
Personal Email	bozzato@fbk.eu
Home page	https://dkm.fbk.eu/author/lorisbozzato/
Nationality	Italian
Date of birth	October 19, 1982
Gender	Male

Desired employment / Occupation field

Base and applied research in Computational Logic: description logics and constructive logics applications, knowledge representation and ontologies, Semantic Web tools and languages.

Work experience

Dates	March 2011 - Present
Occupation or position held	Researcher (R3) (tenured position)
Main activities and responsibilities	Research on DL based contextual representation and reasoning in the *Contextualized Knowledge Repository (CKR)* framework.
Name and address of the employer	Data and Knowledge Management Research Unit, Fondazione Bruno Kessler, via Sommarive 18, Trento (TN), Italy.
Type of business or sector	Research
Dates	September - December 2011
Occupation or position held	Teaching assistant
Main activities and responsibilities	*Sistemi Informativi* (Information systems) undergraduate course, Corso di Laurea in *Informatica*, Academic Year 2011-2012. Course organizer: Prof. Gabriel Kuper.
Name and address of the employer	Università degli Studi di Trento, Facoltà di Scienze MM.FF.NN., via Sommarive 14, Trento (TN), Italy.
Type of business or sector	Education
Dates	March - September 2010
Occupation or position held	Tutor and Teaching assistant
Main activities and responsibilities	*Programmazione* (Java computer programming) undergraduate course, Corso di Laurea in *Informatica*, Academic Year 2009-2010. Course organizer: Prof. Mauro Ferrari.
Name and address of the employer	Università degli Studi dell'Insubria, Facoltà di Scienze MM.FF.NN, via Dunant 3, Varese (VA), Italy.

Type of business or sector	Education

Education and Training

Dates	November 2007 - January 2011
Principals subjects / occupational skills covered	PhD (Corso di Dottorato di Ricerca) in Computer Science
Name and type of organization providing educational and training	Università degli Studi dell'Insubria, Dipartimento di Informatica e Comunicazione
Thesis title	*Kripke semantics and tableau procedures for constructive description logics*
Advisor	Prof. Mauro Ferrari
Supervisor of the doctoral program	Prof. Gaetano Aurelio Lanzarone

Dates	17 - 18 September 2010
Principals subjects / occupational skills covered	Summer School *KRDBs-2010 - 3rd KRDB school on Trends in the Web of Data*, Bressanone/Brixen, Bolzano (Italy).
Name and type of organization providing educational and training	KRDB Research Centre, Faculty of Computer Science, Free University of Bozen-Bolzano, Bressanone/Brixen (Italy)

Dates	31 March - 3 April 2009
Principals subjects / occupational skills covered	Doctoral course *Gerarchie Aritmetiche in Logica*, Prof. Montagna Franco (Dip. di Scienze Matematiche e Informatiche "Roberto Magari", Università degli Studi di Siena).
Name and type of organization providing educational and training	Dipartimento di Matematica, Università degli Studi di Milano, Milano (Italy).

Dates	22 September - 25 November 2008
Principals subjects / occupational skills covered	Doctoral course *Computational complexity and network optimization algorithms*, Prof. Amaldi Edoardo (Politecnico di Milano).
Name and type of organization providing educational and training	Dipartimento di Elettronica e Informazione, Politecnico di Milano, Milano (Italy).

Dates	15 September - 9 October 2008
Principals subjects / occupational skills covered	Doctoral course *The Impact of Logic: from Proof Systems to Databases*, Prof. Martinenghi Davide (Politecnico di Milano).
Name and type of organization providing educational and training	Dipartimento di Elettronica e Informazione, Politecnico di Milano, Milano (Italy).

Dates	7 - 11 September 2008
Principals subjects / occupational skills covered	Summer School *Reasoning Web 2008*, Venezia (Italy).
Name and type of organization providing educational and training	Università degli Studi di Padova, Padova (Italy).

Dates	6 - 12 July 2008
Principals subjects / occupational skills covered	Summer School *SSSW'08 - Sixth Summer School on Ontological Engineering and the Semantic Web*, Cercedilla, Madrid (Spain).
Name and type of organization providing educational and training	Universidad Politécnica de Madrid, Madrid (Spain).

Dates	4 - 6 March 2008
Principals subjects / occupational skills covered	Doctoral course *Uncertainty Theories in Knowledge Representation and Reasoning*, Prof. Godo Lluis (IIIA - CSIC - Bellaterra (Spain)).

Name and type of organization providing educational and training	Dipartimento di Scienze dell'Informazione, Università di Milano, Milano (Italy).
Dates	October 2004 - July 2007
Title of qualification awarded	Laurea Specialistica (2nd degree) in Computer Science.
Name and type of organization providing educational and training	Università degli Studi dell'Insubria, Facoltà di Scienze MM.FF.NN., Varese (Italy)
Level in national or international classification	Laurea magistrale (Grade: 110/110 cum laude)
Thesis title	*Logiche descrittive costruttive: semantica a forme di valutazione per $\mathcal{ALC}$* (Constructive description logics: evaluation forms semantics for $\mathcal{ALC}$)
Advisor	Prof. Mauro Ferrari
Date	October 2001 - January 2005
Title of qualification awarded	Laurea Triennale (1st degree) in Computer Science.
Name and type of organization providing educational and training	Università degli Studi dell'Insubria, Facoltà di Scienze MM.FF.NN., Varese (Italy)
Level in national or international classification	Laurea triennale (Grade: 110/110 cum laude)
Thesis title	*Ontologie e logica: gli strumenti del web semantico nel progetto Domus Naturae* (Ontologies and logic: tools of semantic web in the Domus Naturae project)
Advisor	Prof. Alberto Trombetta

Personal skills and competences

Mother tongue → **Italian**

Other language(s) → English, French

Self-assessment
European level[(*)]

	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	B1 Independent user	C1 Proficient user	B1 Independent user	B1 Independent user	C1 Proficient user
French	A2 Basic user	B2 Independent user	A2 Basic user	A2 Basic user	A2 Basic user

[(*)]*Common European Framework of Reference* (CEF) level

Social skills and competences	Ability in autonomous and collaborative work. Ability in interaction and adaptation in multicultural context. Communication and presentation skills, developed in didactic activity and several seminars and talks, also at many international venues.
Organisational skills and competences	Ability in organization of his own work and coordination of team work. Abilities developed in studies, research team work, research projects organization and in supervision of different undergraduate and master thesis works.

Computer skills and competences

Operating systems	Advanced user of Windows 10/7/Vista/XP/9x, Basic user of GNU/Linux (Ubuntu, RedHat)
Programming languages	Java, C/C++, Pascal, Prolog, Datalog (DLV), SQL, LaTeX
Web oriented languages	PHP, JSP, (X)HTML, CSS, XML, DTD, XQuery, XPath, XML Schema, XSLT, JavaScript
Semantic Web languages	RDF, RDFS, OWL (1.0, 2.0), SPARQL, RDQL

Semantic Web tools	Protégé (3, 4), Jena, Joseki, OWL API
DBMS	MS Access, MySQL, PostgreSQL
Office applications	Microsoft Office, OpenOffice, Google Documents

Additional information

Research visiting

8 April - 6 July 2013: Visiting researcher at the *Institute of Information Systems*, *Vienna University of Technology*, Vienna, Austria (Prof. Thomas Eiter).

Participation in research projects

HumanE AI Net (EU H2020 Network of Excellence, September 2020 - August 2023): contributed to the proposal of collaboration in the NoE with the Micro Project *Reasoning on Contextual Hierarchies via Answer Set Programming with Algebraic Measures* (joint activity between FBK and TU Wien, January 2021 - May 2021); involved in research and development activities, reporting activities and coordination of activities.

Migration Machine (Commessa Industriale with FBK-DEDA Group Co-Innovation Lab, August 2020 - February 2021): involved in research and development activities and task level coordination of activities.

Geo@Reporter (Progetto Di Ricerca Applicata, Funded by Local Government under L.P. 13.12.1999, n. 6, art. 5, January 2017 - January 2019): involved in research and development activities, reporting activities and task level coordination of activities.

SmartOpenData (EU FP7 Theme project, November 2013 - October 2015): involved in research and development activities, reporting activities and task level coordination of activities.

NewsReader (EU FP7 Strep project, January 2013 - January 2016): collaboration in research activities.

Toolisse (TrentoRise pre-commercial procurement project, April 2014 - January 2015): involved in research and development activities, reporting activities and task level coordination of activities.

PlanetData (EU FP7 Network of Excellence, October 2013 - September 2014): contributed to the acquisition by DKM unit of collaboration in the NoE with the PlanetData Call 2 sub-project *MetaReasons*; involved in research and development activities, reporting activities and task level coordination of activities.

Trentour (TrentoRise pre-commercial procurement project, January - December 2013): involved in research and development activities, reporting activities and task level coordination of activities.

Publications

Edited proceedings

K. Hammar, O. Kutz, A. Dimou, T. Hahmann, R. Hoehndorf, C. Masolo, R. Vita, S. Ben Abbès, R. Hantach, P. Calvez, T. Prince Sales, D. Porello, D. Beßler, S. Borgo, M. Diab, A. Gangemi, A. Olivares Alarcos, M. Pomarlan, R. Porzel, M. G. Skjæveland, D. P. Lupp, I. Horrocks, J. W. Klüwer, C. Kindermann, L. Bozzato, T. Mossakowski, L. Serafini. Proceedings of the Joint Ontology Workshops (JOWO 2020). Co-located with the *Bolzano Summer of Knowledge (BOSK 2020)*, Virtual & Bozen-Bolzano, Italy, August 31st - October 7th, 2020. CEUR Workshop Proceedings 2708, CEUR-WS.org, 2020.

K. Cyras, T. Oliveira, M. Williams, L. Bozzato, M. Homola, T. Mossakowski, A. Zimmermann. Joint Proceedings of Reasoning with Ambiguous and Conflicting Evidence and Recommendations in Medicine (MedRACER 2018) and the 3rd International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2018) co-located with the *16th International Conference on Principles of Knowledge Representation and Reasoning (KR 2018)*, Tempe, Arizona, USA, October 29th, 2018. CEUR Workshop Proceedings 2327, CEUR-WS.org, 2018.

D. Dell'Aglio, D. Anicic, P. M. Barnaghi, E. Della Valle, D. L. McGuinness, L. Bozzato, T. Eiter, M. Homola, D. Porello. Joint Proceedings of the Web Stream Processing workshop (WSP 2017) and the 2nd International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2017) co-located with *16th International Semantic Web Conference (ISWC 2017)*, Vienna, Austria, October 22nd, 2017. CEUR Workshop Proceedings 1936, CEUR-WS.org, 2017.

O. Kutz, S. de Cesare, M. M. Hedblom, T. R. Besold, T. Veale, F. Gailly, G. Guizzardi, M. Lycett, C. Partridge, O. Pastor, M. Grüninger, F. Neuhaus, T. Mossakowski, S. Borgo, L. Bozzato, C. Del Vescovo, M. Homola, F. Loebe, A. Barton, J. Bourguet. Proceedings of the Joint Ontology Workshops 2016 Episode 2: The French Summer of Ontology. Co-located with the *9th International Conference on Formal Ontology in Information Systems (FOIS 2016)*, Annecy, France, July 6-9, 2016. CEUR Workshop Proceedings 1660, CEUR-WS.org, 2016.

Journal papers	L. Bozzato, T. Eiter, R. Kiesel. Reasoning on Multi-Relational Contextual Hierarchies via Answer Set Programming with Algebraic Measures. *Theory and Practice of Logic Programming*, 21(5):593–609, 2021.
	L. Bozzato, T. Eiter, L. Serafini. Reasoning on *DL-Lite$_\mathcal{R}$* with Defeasibility in ASP. *Theory and Practice of Logic Programming*, in press, 2021. Online: `https://doi.org/10.1017/S1471068421000132`
	C.G. Schuetz, L. Bozzato, B. Neumayr, M. Schrefl, L. Serafini. Knowledge Graph OLAP: A Multidimensional Model and Query Operations for Contextualized Knowledge Graphs. *Semantic Web Journal*, 12(4):649–683, 2021.
	L. Bozzato, T. Eiter, L. Serafini. Enhancing context knowledge repositories with justifiable exceptions. *Artificial Intelligence*, 257:72–126, 2018.
	L. Bozzato. ASP Based Generation of Information Terms for Constructive $\mathcal{EL}$. *Fundamenta Informaticae*, 161(1-2):29–51, 2018.
	L. Bozzato, M. Ferrari, P. Villa. Actions Over a Constructive Semantics for Description Logics. *Fundamenta Informaticae*, 96(3):253–269, 2009.
Book chapters	L. Bozzato, T. Eiter, L. Serafini. Reasoning with Justifiable Exceptions in $\mathcal{EL}_\perp$ Contextualized Knowledge Repositories. In *Description Logic, Theory Combination, and All That - Essays Dedicated to Franz Baader on the Occasion of His 60th Birthday*, C. Lutz, U. Sattler, C. Tinelli, A.-Y. Thuran, F. Wolter (editors), volume 11560 of *Lecture Notes in Computer Science*, pp. 110–134. Springer, 2019.
Conference papers	L. Bozzato, L. Serafini and T. Eiter. Reasoning with Justifiable Exceptions in Contextual Hierarchies. In *24th European Conference on Artificial Intelligence (ECAI 2020)*, G. De Giacomo, A. Catalá, B. Dilkina, M. Milano, S. Barro, A. Bugarín, J. Lang (editors), volume 325 of *Frontiers in Artificial Intelligence and Applications*, pp. 2889–2890. IOS Press, 2020.
	L. Bozzato, G. Bruscagin, G. Calabrese, L. Serafini, and C. Furlanello Semantic Visual Query Answering on Heterogeneous Territorial Data. In *12th International Conference on Information, Process, and Knowledge Management (eKNOW 2020)*, S. Aitouche, A. Karima, S. Gauch, R. Oberhauser, N. Agarwal (editors), pp. 75–81. IARIA XPS Press, 2020.
	L. Bozzato. Extending ASP Based Reasoning to Expressive Constructive Description Logics. In *12th International Conference on Information, Process, and Knowledge Management (eKNOW 2020)*, S. Aitouche, A. Karima, S. Gauch, R. Oberhauser, N. Agarwal (editors), pp. 82–83. IARIA XPS Press, 2020.
	L. Bozzato, T. Eiter, L. Serafini. Justifiable Exceptions in General Contextual Hierarchies. In *11th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT 2019)*, G. Bella, P. Bouquet (editors), volume 11939 of *Lecture Notes in Artificial Intelligence*, pp. 26–39. Springer, 2019.

L. Bozzato, T. Eiter, L. Serafini. Reasoning on $DL\text{-}Lite_{\mathcal{R}}$ with Defeasibility in ASP. In *3rd International Joint Conference on Rules and Reasoning (RuleML+RR 2019)*, P. Fodor, M. Montali, D. Calvanese, D. Roman (editors), volume 11784 of *Lecture Notes in Artificial Intelligence*, pp. 19–35. Springer, 2019.

A. Khan, L. Bozzato, L. Serafini, B. Lazzerini. Visual Reasoning on Complex Events in Soccer Videos Using Answer Set Programming. In *5th Global Conference on Artificial Intelligence (GCAI 2019)*, D. Calvanese, L. Iocchi (editors), volume 65 of *EPiC Series in Computing*, pp. 42–53. EasyChair, 2019.

L. Bozzato, L. Serafini, T. Eiter. Reasoning with Justifiable Exceptions in Contextual Hierarchies. In *16th International Conference on Principles of Knowledge Representation and Reasoning (KR 2018)*, M. Thielscher, F. Toni, F. Wolter (editors), pp. 329–338. AAAI Press, 2018.

L. Bozzato, T. Eiter, L. Serafini. Enhancing Context Knowledge Repositories with Justifiable Exceptions (Extended Abstract). In *IJCAI 2018 – 27th International Joint Conference on Artificial Intelligence*, Jérôme Lang (editor), pp.5568–5572. ijcai.org, 2018.

S. Borgo, L. Bozzato, A. Palmero Aprosio, M. Rospocher, L. Serafini. Towards integration of ontology and text-extracted data for event coreference reasoning. In *Proceedings of the 32st Annual ACM Symposium on Applied Computing, (SAC 2017)*, A. Seffah, B. Penzenstadler, C. Alves, X. Peng (editors), pp. 353–355. ACM, 2017.

Z. Dashdorj, M. T. Khan, L. Bozzato, S. Lee. Classification of News by Topic Using Location Data. In *Semantic Technology - 6th Joint International Conference (JIST 2016)*, Y. Li, W. Hu, J. S. Dong, G. Antoniou, Z. Wang, J. Sun, Y. Liu (editors), volume 10055 of *Lecture Notes in Artificial Intelligence*, pp. 305–314. Springer, 2016.

L. Bozzato, L. Serafini. Knowledge Propagation in Contextualized Knowledge Repositories: an Experimental Evaluation. (extended paper). In *Knowledge Engineering and Knowledge Management - EKAW 2014 Satellite Events, VISUAL, EKM1, and ARCOE-Logic. Revised Selected Papers*, P. Lambrix, E. Hyvönen, E. Blomqvist, V. Presutti, G. Qi, U. Sattler, Y. Ding, C. Ghidini (editors), volume 8982 of *Lecture Notes in Artificial Intelligence*, pp. 35- 51. Springer, 2015.

L. Bozzato, L. Serafini. Combining Reasoning on Semantic Web Metadata. In *ECAI 2014 - 21st European Conference on Artificial Intelligence*, T. Schaub, G. Friedrich, B. O'Sullivan (editors), volume 263 of *Frontiers in Artificial Intelligence and Applications*, pp. 979- 980. IOS Press, 2014.

L. Bozzato, M. Homola, L. Serafini. ExpTime Tableaux Algorithm for Contextualized $\mathcal{ALC}$. In *Modeling and Using Context - 8th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT'13)*, P. Brézillon, P. Blackburn, R. Dapoigny R. (editors), volume 8175 of *Lecture Notes in Computer Science*, pp. 199-212. Springer, 2013.

L. Bozzato, C. Ghidini, L. Serafini. Comparing contextual and flat representations of knowledge - a concrete case about football data. In *Proceedings of the Seventh International Conference on Knowledge Capture (K-CAP 2013)*, V. Richard Benjamins, M. d'Aquin, A. Gordon (editors), pp. 9-16. ACM, 2013.

L. Bozzato, M. Ferrari. Composition of Semantic Web Services in a Constructive Description Logic. In *Proceedings of the 4th International Conference on Web Reasoning and Rule Systems (RR2010)*, volume 6333 of *Lecture Notes in Computer Science*. Springer, 2010.

L. Bozzato, M. Ferrari, C. Fiorentini, G. Fiorino. A decidable constructive description logic. In *Proceedings of the 12th European Conference on Logics in Artificial Intelligence (JELIA 2010)*, volume 6341 of *Lecture Notes in Computer Science*. Springer, 2010.

Workshop papers	L. Bozzato, C. Fiorentini. Reasoning on Information Term Semantics with ASP for Constructive $\mathcal{EL}_\perp$. In *Proceedings of the 35th Italian Conference on Computational Logic (CILC 2020)*, F. Calimeri, S. Perri, E. Zumpano (editors), volume 2710 of *CEUR Workshop Proceedings*, pp. 141–156. CEUR-WS.org, 2020.

L. Bozzato, C. G. Schuetz. Towards Distributed Contextualized Knowledge Repositories for Analysis of Large-Scale Knowledge Graphs. In *Proceedings of the 35th Italian Conference on Computational Logic (CILC 2020)*, F. Calimeri, S. Perri, E. Zumpano (editors), volume 2710 of *CEUR Workshop Proceedings*, pp. 82–90. CEUR-WS.org, 2020.

L. Bozzato, C. Fiorentini. Connections Between Answer Set Semantics and Information Terms Semantics in Constructive $\mathcal{EL}_\perp$ (Extended Abstract). In *Proceedings of the 33rd International Workshop on Description Logics (DL2020)*, S. Borgwardt, T. Meyer (editors), volume 2663 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2020.

A. Khan, L. Serafini, L. Bozzato, B. Lazzerini. Event Detection from Video Using Answer Set Programing. In *Proceedings of the 34th Italian Conference on Computational Logic (CILC 2019)*, A. Casagrande, E. G. Omodeo (editors), volume 2396 of *CEUR Workshop Proceedings*, pp. 40-58. CEUR-WS.org, 2019.

L. Bozzato, T. Eiter, L. Serafini. A Datalog Translation for Reasoning on $DL\text{-}Lite_\mathcal{R}$ with Defeasibility. In *Proceedings of the 32nd International Workshop on Description Logics (DL2019)*, M. Sikmus, G. E. Weddell (editors), volume 2373 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2019.

L. Bozzato, L. Serafini, T. Eiter. Reasoning with Justifiable Exceptions in Contextual Hierarchies. Accepted for presentation at *33th Italian Conference on Computational Logic (CILC 2018)*, 2018.

L. Bozzato, L. Serafini, G. Calabrese. CKR:Live Demo: Using Contexts and Exceptions for Representing Evolving Knowledge States. In *Proceedings of the 30th International Workshop on Description Logics (DL2017)*, A. Artale, B. Glimm, R. Kontchakov (editors), volume 1879 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2017.

L. Bozzato. ASP Based Generation of Information Terms for Constructive $\mathcal{EL}$. In *Proceedings of the 31st Italian Conference on Computational Logic (CILC 2016)*, C. Fiorentini, A. Momigliano (editors), volume 1645 of *CEUR Workshop Proceedings*, pp. 190-204. CEUR-WS.org, 2016.

L. Bozzato, S. Borgo, A. Palmero Aprosio, M. Rospocher, L. Serafini. A Contextual Framework for Reasoning on Events. Accepted at *30th Italian Conference on Computational Logic (CILC 2015)*, 2015.

L. Bozzato, S. Borgo, A. Palmero Aprosio, M. Rospocher, L. Serafini. A Contextual Framework for Reasoning on Events. In *Proceedings of the 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015)*, M. van Erp, R. Troncy, M. Rospocher, W. R. van Hage, D. A. Shamma (editors), volume 1363 of *CEUR Workshop Proceedings*, pp. 47-57. CEUR-WS.org, 2015.

L. Bozzato, L. Serafini. Knowledge Propagation in Contextualized Knowledge Repositories: an Experimental Evaluation. In *Workshop Notes of the 6th International Workshop on Acquisition, Representation and Reasoning about Context with Logic (ARCOE-Logic 2014)*, M. Fink, M. Homola, A. Mileo (editors), pp. 13- 24. *CoRR*, abs/1412.7964, 2014.

L. Bozzato, T. Eiter, L. Serafini. Contextualized Knowledge Repositories with Justifiable Exceptions. In *Informal Proceedings of the 27th International Workshop on Description Logics (DL2014)*, M. Bienvenu, M. Ortiz, R. Rosati, M. Simkus (editors), volume 1193 of *CEUR Workshop Proceedings*, pp. 112-123. CEUR-WS.org, 2014.

L. Bozzato, T. Eiter, L. Serafini. Defeasibility in Contextual Reasoning with CKR. In *Proceedings of the 29th Italian Conference on Computational Logic (CILC 2014)*, L. Giordano, V. Gliozzi, G. L. Pozzato (editors), volume 1195 of *CEUR Workshop Proceedings*, pp. 132-146. CEUR-WS.org, 2014.

L. Bozzato, T. Eiter, L. Serafini. Defeasibility in Contextual Reasoning with CKR. In *Workshop Notes of the 5th International Workshop on Acquisition, Representation and Reasoning about Context with Logic (ARCOE-Logic 2013)*, M. Fink, M. Homola, A. Mileo, I. Varzinczak (editors), pp. 21-35, 2013.

L. Bozzato, L. Serafini. Materialization Calculus for Contexts in the Semantic Web. In *Informal Proceedings of the 26th International Workshop on Description Logics (DL2013)*, T. Eiter, B. Glimm, Y. Kazakov, M. Krötzsch (editors), volume 1014 of *CEUR Workshop Proceedings*, pp. 552-572. CEUR-WS.org, 2013.

L. Bozzato, S. Braghin, A. Trombetta. A Method and Guidelines for the Cooperation of Ontologies and Relational Databases in Semantic Web Applications. In *Proceedings of the 2nd International Workshop on Semantic Digital Archives (SDA12)*, A. Mitschick, F. Loizides, L. Predoiu, A. Nürnberger, S. Ross (editors), volume 912 of *CEUR Workshop Proceedings*, pp. 73-84. CEUR-WS.org, 2012.

L. Bozzato, M. Homola, L. Serafini. Context on the Semantic Web: Why and How. In *Workshop Notes 4th International Workshop on Acquisition, Representation and Reasoning with Contextualized Knowledge (ARCOE-12)*, M. Fink, M. Homola, A. Mileo, I. Varzinczak (editors), pp. 11-18, 2012.

L. Bozzato, M. Homola, L. Serafini. Towards More Effective Tableaux Reasoning for CKR. In *Proceedings of the 25th International Workshop on Description Logics (DL2012)*, Y. Kazakov, D. Lembo, F. Wolter (editors), volume 846 of *CEUR Workshop Proceedings*, pp. 114-124, CEUR-WS.org, 2012.

L. Bozzato, M. Ferrari, P. Villa. A note on constructive semantics for description logics. In *CILC09 - 24-esimo Convegno Italiano di Logica Computazionale*, M. Gavanelli, F. Riguzzi (editors), 2009.

L. Bozzato, M. Ferrari, A. Trombetta. Building a domain ontology from glossaries: a general methodology. In *Proceedings of SWAP 2008 - 5th Workshop on Semantic Web Applications and Perspectives*, A. Gangemi, J. Keizer, V. Presutti, H. Stoermer (editors), volume 426 of *CEUR Workshop Proceedings*, CEUR-WS.org, 2008.

L. Bozzato, M. Ferrari, P. Villa. Actions over a constructive semantics for description logics. Accepted at *CILC08 - 23-esimo Convegno Italiano di Logica Computazionale*, 2008.

L. Bozzato, M. Ferrari, P. Villa. Actions over a constructive semantics for ALC. In *Proceedings of the 21th International Workshop on Description Logics (DL2008)*, F. Baader, C. Lutz, B. Motik (editors), volume 353 of *CEUR Workshop Proceedings*, CEUR-WS.org, 2008.

L. Bozzato, M. Ferrari, C. Fiorentini, G. Fiorino. A constructive semantics for ALC. In *Proceedings of the 20th International Workshop on Description Logics (DL2007)*, D. Calvanese, E. Franconi, V. Haarslev, D. Lembo, B. Motik, S. Tessaris, A. Turhan (editors), volume 250 of *CEUR Workshop Proceedings*, pp. 219-226, CEUR-WS.org, 2007.

C. Ghiselli, L. Bozzato, A. Trombetta. Representation and management of ontologies in cultural heritage domain. In *Proceedings of SWAP 2005 - 2nd Italian Semantic Web Workshop*, P. Bouquet, G. Tummarello (editors), volume 166 of *CEUR Workshop Proceedings*, CEUR-WS.org, 2005.

E. Binaghi, L. Bozzato, C. Ghiselli, A. Trombetta. Semantic Web meets Virtual Museums: the Domus Naturae Project. In *Proceedings of ICHIM 2005: the International Cultural Heritage Informatics Meeting*, X. Perrot (editor), CD-ROM proceedings, Archives & Museum Informatics Europe, 2005.

Technical reports / Preprints

L. Bozzato, T. Eiter, R. Kiesel. Reasoning on Multi-Relational Contextual Hierarchies via Answer Set Programming with Algebraic Measures. *CoRR*, abs/2108.03100, 2021.

L. Bozzato, T. Eiter, L. Serafini. Reasoning on *DL-Lite$_\mathcal{R}$* with Defeasibility in ASP. *CoRR*, abs/2106.14801, 2021.

C. G. Schuetz, L. Bozzato, B. Neumayr, M. Schrefl, L. Serafini. Knowledge Graph OLAP: Appendix. Technical Report, 2020. `http://kg-olap.dke.uni-linz.ac.at/appendix`

L. Bozzato, T. Eiter, L. Serafini. A Note on Reasoning on *DL-Lite*$_\mathcal{R}$ with Defeasibility. *CoRR*, abs/1905.09221, 2019.

L. Bozzato, L. Serafini, T. Eiter. Reasoning with Justifiable Exceptions in Contextual Hierarchies (Appendix). *CoRR*, abs/1808.01874, 2018.

S. Borgo, L. Bozzato, A. Palmero Aprosio, M. Rospocher, L. Serafini. On Coreferring Text-extracted Event Descriptions with the aid of Ontological Reasoning. *CoRR*, abs/1612.00227, 2016.

L. Bozzato, L. Serafini. Combining Reasoning on Semantic Web Metadata. Tech. Rep. TR-FBK-DKM-2014-1, Fondazione Bruno Kessler, Trento (Italy), 2014.

L. Bozzato, M. Homola, L. Serafini. ExpTime Reasoning for Contextualized $\mathcal{ALC}$. Tech. Rep. TR-FBK-DKM-2012-1, Fondazione Bruno Kessler, Trento (Italy), 2012.

L. Bozzato, F. Corcoglioniti, M. Homola, L. Serafini. Evaluation of Contextual Modelling in the FIFA World Cup Use Case. Tech. Rep. TR-FBK-DKM-2011-3, Fondazione Bruno Kessler, Trento (Italy), 2011.

L. Bozzato, F. Corcoglioniti, M. Joseph, L. Serafini. Evaluation of Contextual Queries. Tech. Rep. TR-FBK-DKM-2011-2, Fondazione Bruno Kessler, Trento (Italy), 2011.

M. Homola, L. Bozzato, L. Serafini. Tableaux Algorithm for Reasoning with Contextualized Knowledge. Tech. Rep. TR-FBK-DKM-2011-1, Fondazione Bruno Kessler, Trento (Italy), 2011.

L. Bozzato, M. Ferrari. A Note on Semantic Web Services Specification and Composition in Constructive Description Logics. *CoRR*, abs/1007.2364, 2010.

Posters | L. Bozzato, L. Serafini, G. Calabrese. CKR:Live Demo: Representing an Evolving Scenario by Contexts and Exceptions. In *Proceedings of the ISWC 2017 Posters & Demonstrations and Industry Tracks co-located with 16th International Semantic Web Conference (ISWC 2017)*, N. Nikitina, D. Song, A. Fokoue, P. Haase (editors), volume 1963 of *CEUR Workshop Proceedings*. CEUR-WS.org, 2017.

L. Bozzato, F. Corcoglioniti, M. Homola, M. Joseph, L. Serafini. Managing Contextualized Knowledge with the CKR. Poster presented at *ESWC12 - 9th Extended Semantic Web Conference*, Heraklion, Crete (Greece), 2012.

Conference / Workshop organization | Co-chair of the 1st Workshop on Modular Knowledge (Modular Knowledge 2022), co-located with ESWC 2022 (29 May - 2 June 2022, Hersonissos, Greece). `https://mk2022.fbk.eu/`

Co-chair of the 5th International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2020), part of JOWO 2020 at BOSK 2020 (16 September 2020, Bolzano (online), Italy). `https://womocoe20.fbk.eu/`

Co-chair of the 4th International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2019), part of JOWO 2019 (23 September 2019, Graz, Austria). `https://womocoe19.fbk.eu/`

Co-chair of the 3rd International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2018), co-located with KR 2018 (29 October 2018, Tempe, Arizona, USA). `http://dai.fmph.uniba.sk/events/womocoe2018/`

Co-chair of the 2nd International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2017), co-located with ISWC 2017 (22 October 2017, Vienna, Austria). `http://dai.fmph.uniba.sk/events/womocoe2017/`

Co-chair of the 1st International Workshop on Ontology Modularity, Contextuality, and Evolution (WOMoCoE 2016), part of JOWO 2016 at FOIS 2016 (6 July 2016, Annecy, France). http://www.iaoa.org/womocoe/2016/

Journal/Book reviews

Semantic Web journal (Special issue on The Role of Ontologies and Knowledge in Explainable AI), IOS Press (2022).

Journal of Artificial Intelligence Research, Morgan Kaufmann Publishers (2021).

Journal of Logic and Computation (Special issue for CILC 2020 revised papers), Oxford University Press (2021).

Semantic Web journal (Special issue on The Role of Ontologies and Knowledge in Explainable AI), IOS Press.

Journal of Artificial Intelligence Research, Morgan Kaufmann (2021).

South African Computer Journal (2020).

Computational Intelligence, Wiley Periodicals (2020).

Intelligenza Artificiale (Special issue for AI*IA 2018 revised papers), IOS Press (2019).

International Journal of Cooperative Information Systems, World Scientific Publishing (2018).

Journal of Web Semantics (Special issue on Ontology Engineering), Elsevier (2018).

Fundamenta Informaticae (Special issue for CILC 2016 revised papers), IOS Press (2018).

Fundamenta Informaticae (Special issue for CILC 2015 revised papers), IOS Press (2016).

Book proposals review for Knowledge Representation and Reasoning titles at Morgan Kaufmann (2015).

Journal of Logic and Computation, Oxford University Press (2011).

Program Committee member

20th International Workshop on Non-Monotonic Reasoning (NMR 2021), 7 - 9 August 2022, Haifa, Israel.

19th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2022), 8 - 10 September 2022, Varna, Bulgaria.

19th International Conference on Principles of Knowledge Representation and Reasoning (KR 2022), 31 July - 5 August 2022, Haifa, Israel.

31st International Joint Conference on Artificial Intelligence and the *25th European Conference on Artificial Intelligence (IJCAI-ECAI 2022)*, 23 - 29 July 2022, Vienna, Austria.

37th Italian Conference on Computational Logic (CILC 2022), 29 June - 2 July 2022, Bologna, Italy.

Technical Track on the Semantic Web and Applications (SWA) of the *37th ACM Symposium on Applied Computing (ACM SAC 2022)*, 25 - 29 April 2022, Virtual conference.

Research track of the *36th AAAI Conference on Artificial Intelligence (AAAI-22)*, 22 February - 1 March 2022, Vancouver, British Columbia, Canada.

3rd International Workshop on Data meets Applied Ontologies (DAO-XAI 2021), 18-19 September 2021, Bratislava, Slovakia.

36th Italian Conference on Computational Logic (CILC 2021), 7 - 9 September 2021, Parma (online), Italy.

13th International Conference on Information, Process, and Knowledge Management (eKNOW 2021), 18 - 22 July 2021, Nice, France.

30th ACM International Conference on Information and Knowledge Management (CIKM 2021), 1 - 5 November 2021, Gold Coast, Queensland, Australia.

Research and Innovation track of the *17th International Conference on Semantic Systems (SEMANTiCS EU 2021)*, 9 - 6 September 2021, Online & Amsterdam, The Netherlands.

15th International Conference on Advances in Semantic Processing (SEMAPRO 2021), 3 - 7 October 2021, Barcelona, Spain.

18th Extended Semantic Web Conference (ESWC 2021), 6 - 10 June 2021, Heraklion, Greece.

Technical Track on the Semantic Web and Applications (SWA) and *Track on Knowledge and Language Processing (KLP)* of the *36th ACM Symposium on Applied Computing (ACM SAC 2021)*, 22 - 26 March 2021, Virtual conference.

Research track of the *35th AAAI Conference on Artificial Intelligence (AAAI-21)*, 2 - 9 February 2021, Virtual conference.

1st Workshop on Conceptual Modeling Meets Artificial Intelligence and Data-Driven Decision Making (CMAI 2020), 3 - 6 November 2020, Vienna, Austria.

11th Workshop on Ontology Design Patterns (WOP 2020), 1 November 2020, Athens (online), Greece.

14th International Conference on Advances in Semantic Processing (SEMAPRO 2020), 25 - 29 October 2020, Nice, France.

35th Italian Conference on Computational Logic (CILC 2020), 13 - 15 October 2020, Rende (online), Italy.

29th ACM International Conference on Information and Knowledge Management (CIKM 2020), 19 - 23 October 2020, Galway, Ireland.

28th International Joint Conference on Artificial Intelligence - Pacific Rim International Conference on Artificial Intelligence (IJCAI-PRICAI20), 11 - 17 July 2020, Yokohama, Japan.

Research and Innovation track of the *16th International Conference on Semantic Systems (SEMANTiCS EU 2020)*, 7 - 10 September 2020, Amsterdam, The Netherlands.

24th European Conference on Artificial Intelligence (ECAI 2020), 8 - 12 July 2020, Santiago de Compostela, Spain.

Doctoral consortium of the *18th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2019)*, 19 - 22 November 2019, Rende, Italy.

Technical Track on the Semantic Web and Applications (SWA) and *Track on Knowledge and Language Processing (KLP)* of the *35th ACM Symposium on Applied Computing (ACM SAC 2020)*, 30 March - 3 April 2020, Brno, Czech Republic.

12th International Conference on Information, Process, and Knowledge Management (eKNOW 2020), 21 - 25 November 2020, Barcelona, Spain.

Research track of the *34th AAAI Conference on Artificial Intelligence (AAAI-20)*, 7 - 12 February 2020, New York, New York, USA.

Research track of the *18th International Semantic Web Conference (ISWC 2019)*, 26 - 30 October 2019, Auckland, New Zealand.

13th International Conference on Advances in Semantic Processing (SEMAPRO 2019), 22 - 26 September 2019, Porto, Portugal.

15th International Conference on Semantics, Knowledge and Grids (SKG 2019), 17 - 18 September 2019, Guangzhou, China.

Research and Innovation track of the *15th International Conference on Semantic Systems (SEMANTiCS 2019)*, 9 - 12 September 2019, Karlsruhe, Germany.

28th International Joint Conference on Artificial Intelligence (IJCAI-19), 10 - 16 August 2019, Macao, China.

Technical Track on the Semantic Web and Applications (SWA) and *Track on Knowledge and Language Processing (KLP)* of the *34th ACM Symposium on Applied Computing (ACM SAC 2019)*, 8 - 12 April 2019, Limassol, Cyprus.

Doctoral consortium of the *17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018)*, 20 - 23 November 2018, Trento, Italy.

12th International Conference on Advances in Semantic Processing (SEMAPRO 2018), 18 - 22 November 2018, Athens, Greece.

Research track of the *17th International Semantic Web Conference (ISWC 2018)*, 8 - 12 October 2018, Monterey, California, USA.

33st Italian Conference on Computational Logic (CILC 2018), 20 - 22 September 2018, Bolzano, Italy.

14th International Conference on Semantics, Knowledge and Grids (SKG 2018), 12 - 14 September 2018, Guangzhou, China.

18th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2018), 12 - 14 September 2018, Varna, Bulgaria.

27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence (IJCAI-ECAI 2018), 9 - 19 July 2018, Stockholm, Sweden.

15th Extended Semantic Web Conference (ESWC 2018), 3 - 7 June 2018, Heraklion, Greece.

Technical Track on the Semantic Web and Applications (SWA) and *Special Track on Cognitive Computing (CoCo)* of the *33th ACM Symposium on Applied Computing (ACM SAC 2018)*, 9 - 13 April 2018, Pau, France.

Research track of the *32st AAAI Conference on Artificial Intelligence (AAAI-18)*, 2 - 7 February 2018, New Orleans, Louisiana, USA.

11th International Conference on Advances in Semantic Processing (SEMAPRO 2017), 12 - 16 November 2017, Barcelona, Spain.

Research track of the *16th International Semantic Web Conference (ISWC 2017)*, 21 - 25 October 2017, Vienna, Austria.

13th International Conference on Semantics, Knowledge and Grids (SKG 2017), 14 - 15 August 2017, Beijing, China.

Research track of the *31st AAAI Conference on Artificial Intelligence (AAAI-17)*, 4 - 9 February 2017, San Francisco, California, USA.

Technical Track on the Semantic Web and Applications (SWA) and *Special Track on Cognitive Computing (CoCo)* of the *32th ACM Symposium on Applied Computing (ACM SAC 2017)*, 3 - 7 April 2017, Marrakesh, Morocco.

13th OWL Experiences and Directions Workshop and 5th OWL reasoner evaluation workshop (OWLED-ORE 2016), 19 - 20 November 2016, Bologna, Italy.

Research track of the *15th International Semantic Web Conference (ISWC 2016)*, 17 - 21 October 2016, Kobe, Japan.

12th International Conference on Semantics, Knowledge and Grids (SKG 2016), 15 - 17 August 2016, Beijing, China.

10th International Conference on Web Reasoning and Rule Systems (RR 2016), 9 - 11 September 2016, Aberdeen, Scotland.

31st Italian Conference on Computational Logic (CILC 2016), 20 - 22 June 2016, Milano, Italy.

17th International Conference on Artificial Intelligence: Methodology, Systems, Applications (AIMSA 2016), 7 - 9 September 2016, Varna, Bulgaria.

Poster track of the *25th International World Wide Web Conference (WWW 2016)*, 11 - 15 April 2016, Montréal, Canada.

Technical Track on the Semantic Web and Applications (SWA) of the *31th ACM Symposium on Applied Computing (ACM SAC 2016)*, 4 - 8 April 2016, Pisa, Italy.

12th OWL Experiences and Directions Workshop (OWLED 2015), 9 - 10 October 2015, Bethlehem, Pennsylvania, USA.

Research track and *Poster and Demos* track of the *14th International Semantic Web Conference (ISWC 2015)*, 11 - 15 October 2015, Bethlehem, Pennsylvania, USA.

11th International Conference on Semantics, Knowledge and Grids (SKG 2015), 19 - 21 August 2015, Beijing, China.

4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015), 31 May - 4 June 2015, Portoroz, Slovenia.

Technical Track on the Semantic Web and Applications (SWA) of the *30th ACM Symposium on Applied Computing (ACM SAC 2015)*, 13 - 17 April 2015, Salamanca, Spain.

The 6th International Workshop on Acquisition, Representation and Reasoning about Context with Logic (ARCOE-Logic 2014), 25 November 2014, Linköping, Sweden.

Research track and *Poster and Demos* track of the *13th International Semantic Web Conference (ISWC 2014)*, 19 - 23 October 2014, Riva del Garda, Italy.

Technical Track on the Semantic Web and Applications (SWA) of the *29th ACM Symposium on Applied Computing (ACM SAC 2014)*, 24 - 28 March 2014, Gyeongju, Korea.

The 5th International Workshop on Acquisition, Representation and Reasoning about Context with Logic (ARCOE-Logic 2013), 15 September 2013, La Corunna, Spain.

Technical Track on the Semantic Web and Applications (SWA) of the *28th ACM Symposium on Applied Computing (ACM SAC 2013)*, 18 - 22 March 2013, Coimbra, Portugal.

The 4th International Workshop on Acquisition, Representation and Reasoning with Contextualized Knowledge (ARCOE 2012), 28 August 2012, Montpellier, France.

27th Italian Convention on Computational Logic (CILC 2012), 6 - 7 July 2012, Roma, Italy.

Technical Track on the Semantic Web and Applications (SWA) of the *27th ACM Symposium on Applied Computing (ACM SAC 2012)*, 26 - 30 March 2012, Riva del Garda, Italy.

External reviewer

25th International Joint Conference on Artificial Intelligence (IJCAI-16), 9 - 15 July 2016, New York City, New York, USA.

5th International Conference on Principles of Knowledge Representation and Reasoning (KR 2016), 25 - 29 April 2016, Cape Town, South Africa.

9th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT 2015), 2 - 6 November 2015, Larnaca, Cyprus.

8th International Conference on Knowledge Capture (KCAP 2015), 7 - 10 October 2015, Palisades, New York, USA.

24th ACM International Conference on Information and Knowledge Management (CIKM 2015), 19 - 23 October 2015, Melbourne, Australia.

28th International Workshop on Description Logics (DL2015), 7 - 10 June 2015, Athens, Greece.

19th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2014), 24 - 28 November 2014, Linköping, Sweden.

27th International Workshop on Description Logics (DL2014), 17 - 20 July 2014, Vienna, Austria.

26th International Workshop on Description Logics (DL2013), 23 - 26 July 2013, Ulm, Germany.

18th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2012), 8 - 12 September 2012, Galway, Ireland.

25th International Workshop on Description Logics (DL2012), 7 - 10 June 2012, Roma, Italy.

10th International Semantic Web Conference (ISWC 2011), 23 - 27 October 2011, Bonn, Germany.

24th Italian Convention on Computational Logic (CILC 2009), 24 - 26 June 2009, Ferrara, Italy.

Invited Talks and Seminars

Reasoning with Exceptions in Contextualized Knowledge Repositories. Invited tutorial at *12th International Conference on Information, Process, and Knowledge Management (eKNOW 2020)*, 21 November 2020, Valencia (online), Spain. `https://www.iaria.org/conferences2020/TutorialseKNOW20.html`

Representing Contexts and Exceptions in Semantic Web data with CKR. Invited seminar, 9 June 2016, Data and Knowledge Engineering, JKU Linz, Linz, Austria.

CKR: a general framework for context in Semantic Web (Theory, prototype and extension to ASP). Invited seminar in *Vienna Center for Logic and Algorithms* seminar series, 25 February 2013, TU Wien, Vienna, Austria. `http://www.vcla.at/2013/02/loris-bozzato/`

Awards and scholarships

Best Paper Award at the *3rd International Joint Conference on Rules and Reasoning (RuleML+RR 2019)* (16-19 September 2019, Bolzano, Italy) for the paper "Reasoning on *DL-Lite$_\mathcal{R}$* with Defeasibility in ASP" (Loris Bozzato, Thomas Eiter, Luciano Serafini).

Grant from *FBK Mobility 2012* programme for trans-national researchers mobility for visit to Institute of Information Systems, Vienna University of Technology (08/04/2013 – 06/07/2013). Fondazione Bruno Kessler, December 2012.

Three-year PhD scholarship of the Italian *Ministero dell'Università e della Ricerca* (Ministry of Education, University and Research), November 2007.

Personal data protection

Ai sensi e per gli effetti del D.lgs 196/2003 autorizzo il trattamento dei dati personali, comunicati per le finalità connesse alla loro comunicazione, all'espletamento della eventuale selezione e/o ai fini di assunzione, preservandomi il diritto di richiedere l'aggiornamento, la modifica o la cancellazione dei miei dati.

In compliance with Italian Legislative Decree n. 196/2003 ("Regulations with regard to the Protection of Personal Data") which protects natural and legal persons with regard to the processing of personal data, I agree that my personal data provided with this document are processed only for intended purposes.

Trento, January 24, 2022