# Curriculum Vitae

Marco Rospocher

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# 1 General Information

## 1.1 Personal Data

FAMILY NAME: Rospocher
FIRST NAME: Marco
NATIONALITY: Italian

AFFILIATION: Department of Foreign Languages and Literatures, University of Verona
BUILDING: Palazzo di Lingue, Floor 1, Room 1.12
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PHONE NUMBER: (+39) 045 8028326
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HOME PAGE: https://marcorospocher.com/
GOOGLE SCHOLAR: https://scholar.google.com/citations?user=wkAcWjMAAAAJ
SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=14010314000
DBLP: https://dblp.uni-trier.de/pers/hd/r/Rospocher:Marco
ORCID: https://orcid.org/0000-0001-9391-3201
GITHUB: https://github.com/rospocher

## 1.2 Education

- Ph.D. in Information and Communication Technologies
  ICT School, University of Trento, Italy
  Mar 31, 2006
  Thesis: On the computational complexity of enumerating certificates of NP problems
  Advisor: Prof. Romeo Rizzi
  Manuscript: https://marcorospocher.com/files/phd/2006phd.pdf

- M.Sc. (Laurea) degree in Mathematics
  University of Trento, Italy
  Mar 27, 2002
  Thesis: All-Pairs and Matching-like Shortest Paths Algorithms
  Advisor: Prof. Romeo Rizzi
  Final Score: 110/110 cum Laude
  Notes: Degree obtained within the legal length period (4 years) of the programme

## 1.3 National Scientific Qualification

- National Scientific Qualification to function as associate professor in Italian Universities for sector 01/B1 (Informatica / Informatics)
  Dec 5, 2017
  https://asn16.cineca.it/pubblico/miur/esito-abilitato/01%252FB1/2/3

- National Scientific Qualification to function as associate professor in Italian Universities for sector 09/H1 (Sistemi di Elaborazione Delle Informazioni / Information Processing Systems)
  Dec 5, 2017
  https://asn16.cineca.it/pubblico/miur/esito-abilitato/09%252FH1/2/3

## 1.4 Current Position

Associate Professor of Informatics (INF/01) at the University of Verona, within the Department of Foreign Languages and Literatures
since: Dec 28, 2018

## 1.5 Past Work and Research Experiences

### 1.5.1 Past Work and Research Experiences

- Research Scientist at Fondazione Bruno Kessler (FBK), Trento, Italy
  May 8, 2007 - Dec 27, 2018

- Software Developer at S.a.i.tec. Srl c/o Phoenix Informatica Bancaria SpA, Trento, Italy
  Aug 1, 2006 - May 7, 2007

### 1.5.2 Research Grants

- Research grant at the Department of Information Engineering and Computer Science (DISI), University of Trento
  Nov 1, 2005 - Mar 31, 2006

- Research grant at the Department of Information Engineering and Computer Science (DISI), University of Trento
  May 1, 2002 - Dec 30, 2002

### 1.5.3 PhD Scholarship

- PhD Student (with Scholarship) at the ICT School of the University of Trento, Italy
  Nov 1, 2002 - Oct 31, 2005

# 2 Research Activities and Related Titles

## 2.1 Research Interests

Artificial Intelligence, Information Extraction, Semantic Web, Knowledge Representation and Reasoning, Natural Language Processing, Digital Humanities, Machine/Deep Learning, Methodologies and Tools for Collaborative Knowledge Acquisition, Computational Complexity, Algorithmic Graph Theory, Combinatorial Optimization

## 2.2 Appointments

- Director of the interdisciplinary research center "Digital Arena for Inclusive Humanities (DAIH)". DAIH is a center of excellence in the field of digital technologies and computational analysis applied to languages and literature, and aims to promote and facilitate inclusion in research, infrastructure, training, and dissemination of scientific content in order to overcome the disparities, inequalities, and discriminations of modern society
  Web-site: https://www.dlls.univr.it/?ent=bibliocr&id=362&tipobc=6
  since: Feb 15, 2023

## 2.3 Awards

- Best Research Paper Award at the IEEE 18th International Enterprise Distributed Object Computing Conference EDOC2014 (September 1-5, 2014 - Ulm, Germany) for the contribution "The Role of Semantic Annotations in Business Process Modelling" (Chiara Di Francescomarino, Marco Rospocher, Chiara Ghidini, Andrea Valerio)
  Certificate: https://marcorospocher.com/files/awards/2014edoc.pdf

- Runner-up Prize at the Ontology Competition of the 8th International Conference on Formal Ontology in Information Systems FOIS2014 (September 22-26, 2014 - Rio de Janeiro, Brasil) for the contribution "An ontology for personalized environmental decision support" (Marco Rospocher)
  Certificate: https://marcorospocher.com/files/awards/2014fois.pdf

- Semantic Sentiment Analysis Award (Task 3 - Frame entities Identification) at the Semantic Web Evaluation of the 12th European Semantic Web Conference ESWC2015 (May 31-June 4, 2015 - Portoroz, Slovenia) for the contribution "Opinion frame extraction from news corpus" (Francesco Corcoglioniti, Alessio Palmero Aprosio, Marco Rospocher)
  Certificate: https://marcorospocher.com/files/awards/2015eswccha.pdf

- Honorable Mention Award at the In-Use Track of the 7th International Semantic Web Conference ISWC2008 (October 26-30, 2008 - Karlsruhe, Germany) for the contribution "Deploying semantic web technologies for work integrated learning in industry. A comparison: SME vs. large sized company" (Conny Christl, Chiara Ghidini, Joanna Guss, Viktoria Pammer, Stefanie Lindstaedt, Marco Rospocher, Peter Scheir, Luciano Serafini)
  Info: https://marcorospocher.com/files/awards/2008iswc.pdf

- Distinguished Program Committee Member at the 27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence (IJCAI-ECAI 2018)
  Info: https://www.ijcai-18.org/distinguished-members/

## 2.4 Publications

### 2.4.1 Bibliometrics Indicators

- Google Scholar

  - Citations: 1940
  - H-index: 25
  - i10-Index: 51

- Scopus

- Citations: 1046
- H-index: 17
- H-index (excl. self-citation): 16

### 2.4.2 Journals

28. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto, and Paolo Fiorini. The Robotic-Surgery Propositional Bank. *Language Resources and Evaluation* (to appear)

27. **Marco Rospocher**. Detecting explicit lyrics: a case study in Italian music. *Language Resources and Evaluation*, vol. 57(2):849–867 (2023)
    DOI: `10.1007/s10579-022-09595-3`
    Scopus: `2-s2.0-85130242158`
    WoS: `WOS:000798410500001`
    URL: https://doi.org/10.1007/s10579-022-09595-3

26. **Marco Rospocher** and Samaneh Eksir. Assessing Fine-Grained Explicitness of Song Lyrics. *Information*, vol. 14(3). ISSN: 2078-2489 (2023)
    DOI: `10.3390/info14030159`
    Scopus: `2-s2.0-85151097162`
    WoS: `WOS:000955318200001`
    URL: https://www.mdpi.com/2078-2489/14/3/159

25. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto, and Paolo Fiorini. Machine understanding surgical actions from intervention procedure textbooks. *Computers in Biology and Medicine*, vol. 152:106415. ISSN: 0010-4825 (2023)
    DOI: `10.1016/j.compbiomed.2022.106415`
    Scopus: `2-s2.0-85144338000`
    WoS: `WOS:000900243500001`
    URL: https://www.sciencedirect.com/science/article/pii/S0010482522011234

24. **Marco Rospocher**. On exploiting transformers for detecting explicit song lyrics. *Entertainment Computing*, vol. 43:100508. ISSN: 1875-9521 (2022)
    DOI: `10.1016/j.entcom.2022.100508`
    Scopus: `2-s2.0-85132214046`
    WoS: `WOS:000822791600001`
    URL: https://www.sciencedirect.com/science/article/pii/S1875952122000325

23. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. Aligning and linking entity mentions in image, text, and knowledge base. *Data & Knowledge Engineering*. ISSN: 0169-023X (2022)
    DOI: `10.1016/j.datak.2021.101975`
    Scopus: `2-s2.0-85123608690`
    WoS: `WOS:000791242800002`
    URL: https://www.sciencedirect.com/science/article/pii/S0169023X2100094X

22. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. Automatically evaluating the quality of textual descriptions in cultural heritage records. *International Journal on Digital Libraries*, vol. 22(2):217–231. ISBN: 1432-1300 (2021)
    DOI: `10.1007/s00799-021-00302-1`

Scopus: 2-s2.0-85105217980
WoS: WOS:000642397400001
URL: https://doi.org/10.1007/s00799-021-00302-1

21. Marco Bombieri, **Marco Rospocher**, Diego Dall'Alba, and Paolo Fiorini. Automatic detection of procedural knowledge in robotic-assisted surgical texts. *International Journal of Computer Assisted Radiology and Surgery*, vol. 16:1287–1295. ISBN: 1861-6429 (2021)
DOI: 10.1007/s11548-021-02370-9
Scopus: 2-s2.0-85105190196
WoS: WOS:000642361700001
URL: https://doi.org/10.1007/s11548-021-02370-9

20. **Marco Rospocher**. Explicit song lyrics detection with subword-enriched word embeddings. *Expert Systems with Applications*, vol. 163. ISSN: 0957-4174 (2021)
DOI: 10.1016/j.eswa.2020.113749
Scopus: 2-s2.0-85089102640
WoS: WOS:000582115400006
URL: http://www.sciencedirect.com/science/article/pii/S095741742030573X

19. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. On assessing metadata completeness in digital cultural heritage repositories. *Digital Scholarship in the Humanities*, vol. 36(Supplement 2):ii182-ii188. ISSN: 2055-7671 (2021)
DOI: 10.1093/llc/fqab036
Scopus: 2-s2.0-85139912523
WoS: WOS:000756289000016
URL: https://academic.oup.com/dsh/article-pdf/36/Supplement_2/ii182/41091126/fqab036.pdf

18. **Marco Rospocher** and Francesco Corcoglioniti. Knowledge-driven joint posterior revision of named entity classification and linking. *Journal of Web Semantics*, vol. 65:100617. ISSN: 1570-8268 (2020)
DOI: 10.1016/j.websem.2020.100617
Scopus: 2-s2.0-85093703848
WoS: WOS:000598338300006
URL: http://www.sciencedirect.com/science/article/pii/S1570826820300500

17. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. Proposta per una valutazione automatica della completeness dei metadati nel contesto delle biblioteche digitali. *DigItalia*, vol. 2:159–167 (2020)
DOI: 10.36181/digitalia-00023
URL: http://digitalia.sbn.it/article/view/2639

16. **Marco Rospocher**, Francesco Corcoglioniti, and Mauro Dragoni. Boosting Document Retrieval with Knowledge Extraction and Linked Data. *Semantic Web - Interoperability, Usability, Applicability*, vol. 10(4):753–778. ISSN: 2210-4968 (2019)
DOI: 10.3233/SW-180325
Scopus: 2-s2.0-85066428245
WoS: WOS:000488080900005
URL: https://content.iospress.com/articles/semantic-web/sw325

15. **Marco Rospocher**, Francesco Corcoglioniti, and Alessio Palmero Aprosio. PreMOn: LODifing Linguistic Predicate Models. *Language Resources and Evaluation*, vol. 53(3):499–524 (2019)

DOI: `10.1007/s10579-018-9437-8`
Scopus: `2-s2.0-85057966885`
WoS: `WOS:000482894600007`
URL: https://link.springer.com/article/10.1007/s10579-018-9437-8

14. Giulio Petrucci, **Marco Rospocher**, and Chiara Ghidini. Expressive Ontology Learning as Neural Machine Translation. *Journal of Web Semantics*, vol. 52-53:66-82. Elsevier B.V.. ISSN: 1570-8268 (2018)
DOI: `10.1016/j.websem.2018.10.002`
Scopus: `2-s2.0-85056574730`
WoS: `WOS:000451072400005`
URL: https://www.sciencedirect.com/science/article/pii/S1570826818300507

13. Francesco Corcoglioniti, **Marco Rospocher**, and Alessio Palmero Aprosio. Frame-Based Ontology Population with PIKES. *IEEE Transactions on Knowledge and Data Engineering*, vol. 28(12):3261–3275. IEEE. ISSN: 1041-4347 (2016)
DOI: `10.1109/TKDE.2016.2602206`
Scopus: `2-s2.0-84996478366`
WoS: `WOS:000388214700010`
URL: https://ieeexplore.ieee.org/document/7549111/

12. Piek Vossen, Rodrigo Agerri, Itziar Aldabe, Agata Cybulska, Marieke van Erp, Antske Fokkens, Egoitz Laparra, Anne-Lyse Minard, Alessio Palmero Aprosio, German Rigau, **Marco Rospocher**, and Roxane Segers. NewsReader: Using knowledge resources in a cross-lingual reading machine to generate more knowledge from massive streams of news. *Knowledge-Based Systems*, vol. 110:60–85. Elsevier B.V.. ISSN: 0950-7051 (2016)
DOI: `10.1016/j.knosys.2016.07.013`
Scopus: `2-s2.0-84978884184`
WoS: `WOS:000384384700005`
URL: http://www.sciencedirect.com/science/article/pii/S0950705116302271

11. **Marco Rospocher**, Marieke van Erp, Piek Vossen, Antske Fokkens, Itziar Aldabe, German Rigau, Aitor Soroa, Thomas Ploeger, and Tessel Bogaard. Building Event-Centric Knowledge Graphs from News. *Web Semantics: Science, Services and Agents on the World Wide Web*, vol. 37–38:132–151. Elsevier B.V.. ISSN: 1570-8268 (2016)
DOI: `10.1016/j.websem.2015.12.004`
Scopus: `2-s2.0-84994652650`
WoS: `WOS:000376457600009`
URL: http://www.sciencedirect.com/science/article/pii/S1570826815001456

10. Sofia Cramerotti, Massimo Turrini, Marco Buccio, Silvia Larentis, **Marco Rospocher**, Luciano Serafini, Elena Cardillo, and Ivan Donadello. ePlanning: an Ontology-based System for Building Individualized Education Plans for Students with Special Educational Needs. *MED – Media Education*, vol. 6(1):101–110. Edizioni Centro Studi Erickson S.p.a.. ISSN: 2038-3002 (2015)

9. Francesco Corcoglioniti, **Marco Rospocher**, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. The KnowledgeStore: a Storage Framework for Interlinking Unstructured and Structured Knowledge. *International Journal on Semantic Web and Information Systems*, vol. 11(2):1–35. IGI Global. ISSN: 1552-6283; 1552-6291 (2015)
DOI: `10.4018/IJSWIS.2015040101`

Scopus: `2-s2.0-84945185646`
WoS: `WOS:000370276700001`
URL: http://www.igi-global.com/article/the-knowledgestore/136832

8. Leo Wanner, Harald Bosch, Nadjet Bouayad-Agha, Gerard Casamayor, Thomas Ertl, Desiree Hilbring, Lasse Johansson, Kostas Karatzas, Ari Karppinen, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Jürgen Moßgraber, Anastasia Moumtzidou, Maria Myllynen, Emanuele Pianta, **Marco Rospocher**, Luciano Serafini, Virpi Tarvainen, Sara Tonelli, and Stefanos Vrochidis. Getting the environmental information across: from the Web to the user. *Expert Systems*, vol. 32(3):405–432. John Wiley & Sons Ltd. ISSN: 1468-0394 (2015)
DOI: `10.1111/exsy.12100`
Scopus: `2-s2.0-84930819621`
WoS: `WOS:000355958900006`
URL: https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.12100

7. Leo Wanner, **Marco Rospocher**, Stefanos Vrochidis, Lasse Johansson, Nadjet Bouayad-Agha, Gerard Casamayor, Ari Karppinen, Ioannis Kompatsiaris, Simon Mille, Anastasia Moumtzidou, and Luciano Serafini. Ontology-centered environmental information delivery for personalized decision support. *Expert Systems with Applications*, vol. 42(12):5032–5046. Elsevier B.V.. ISSN: 0957-4174 (2015)
DOI: `10.1016/j.eswa.2015.02.048`
Scopus: `2-s2.0-84939947866`
WoS: `WOS:000353746900002`
URL: http://www.sciencedirect.com/science/article/pii/S0957417415001554

6. Chiara Di Francescomarino, Chiara Ghidini, and **Marco Rospocher**. Evaluating Wiki Collaborative Features in Ontology Authoring. *IEEE Transactions on Knowledge and Data Engineering*, vol. 26(12):2997–3011. IEEE. ISSN: 1041-4347 (2014)
DOI: `10.1109/TKDE.2014.2312325`
Scopus: `2-s2.0-84910032865`
WoS: `WOS:000344993900011`
URL: https://www.computer.org/csdl/journal/tk/2014/12/06776520/13rRUwbs1SV

5. Chiara Ghidini, Chiara Di Francescomarino, **Marco Rospocher**, Paolo Tonella, and Luciano Serafini. Semantics-Based Aspect-Oriented Management of Exceptional Flows in Business Processes. *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, vol. 42(1):25–37. IEEE. ISSN: 1094-6977 (2012)
DOI: `10.1109/TSMCC.2011.2138133`
Scopus: `2-s2.0-84655162200`
WoS: `WOS:000298300200004`
URL: https://ieeexplore.ieee.org/document/5766767/

4. Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. Modeling in a Wiki with MoKi: Reference Architecture, Implementation, and Usages. *International Journal On Advances in Life Sciences*, vol. 4(3&4):111–124. IARIA. ISSN: 1942-2660 (2012)
URL: https://www.iariajournals.org/life_sciences/tocv4n34.html

3. **Marco Rospocher**, Sara Tonelli, Luciano Serafini, and Emanuele Pianta. Corpus-based Terminological Evaluation of Ontologies. *Applied Ontology*, vol. 7(4):429–448. IOS Press. ISSN: 1570-5838; 1875-8533 (2012)

DOI: `10.3233/AO-2012-0114`
Scopus: `2-s2.0-84872457931`
WoS: `WOS:000312382000004`
URL: https://content.iospress.com/articles/applied-ontology/ao114

2. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Paolo Tonella. A framework for the collaborative specification of semantically annotated business processes. *Journal of Software Maintenance and Evolution: Research and Practice*, vol. 23(4):261–295. John Wiley & Sons Ltd. ISSN: 1532-0618 (2011)
DOI: `10.1002/smr.525`
Scopus: `2-s2.0-79956161089`
WoS: `WOS:000290859800004`
URL: https://onlinelibrary.wiley.com/doi/abs/10.1002/smr.525

1. Romeo Rizzi and **Marco Rospocher**. Covering partially directed graphs with directed paths. *Discrete Mathematics*, vol. 306(13):1390–1404. Elsevier B.V.. ISSN: 0012-365X (2006)
DOI: `10.1016/j.disc.2006.01.024`
Scopus: `2-s2.0-33744987451`
WoS: `WOS:000238851700012`
URL: https://www.sciencedirect.com/science/article/pii/S0012365X06001968

### 2.4.3 Book Chapters

6. Paolo Frassi and **Marco Rospocher**. Ontologie, locuzioni deboli e legami fra entità terminologiche nell'ambito del progetto DIACOM-fr. In *Risorse e strumenti per l'elaborazione e la diffusione della terminologia in Italia*, pages 138–151. Eurac Research (2022)
DOI: `10.57749/wtfr-y339`

5. Francesco Corcoglioniti, **Marco Rospocher**, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. The KnowledgeStore: A Storage Framework for Interlinking Unstructured and Structured Knowledge. In *Information Retrieval and Management: Concepts, Methodologies, Tools, and Applications*, pages 686–721. IGI Global. ISBN: 9781522551911 (2018)
DOI: `10.4018/978-1-5225-5191-1.ch030`
Scopus: `2-s2.0-85045866067`
URL: https://www.igi-global.com/gateway/chapter/198572

4. Francesco Corcoglioniti, **Marco Rospocher**, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Managing Large Volumes of Interlinked Text and Knowledge With the KnowledgeStore. In Miltiadis D. Lytras, Naif R Aljohani, Ernesto Damiani, and Kwok Tai Chui (editors), *Innovations, Developments, and Applications of Semantic Web and Information Systems*, chapter 2, pages 32–61. IGI Global. ISBN: 9781522550426; 1522550429; 9781522550433 (2018)
DOI: `10.4018/978-1-5225-5042-6.ch002`
URL: https://www.igi-global.com/gateway/chapter/196434

3. Alessio Palmero Aprosio, Francesco Corcoglioniti, Mauro Dragoni, and **Marco Rospocher**. Supervised Opinion Frames Detection with RAID. In Fabien Gandon, Elena Cabrio, Milan Stankovic, and Antoine Zimmermann (editors), *Semantic Web Evaluation Challenges*, pages 251–263. Springer International Publishing. ISBN: 978-3-319-25517-0 (2015)
Semantic Sentiment Analysis Award (Task 3 - Frame entities Identification) at the Semantic Web Evaluatio
DOI: `10.1007/978-3-319-25518-7_22`

Scopus: `2-s2.0-84951325878`
WoS: `WOS:000369663000022`
URL: https://link.springer.com/chapter/10.1007/978-3-319-25518-7_22

2. Michael Erdmann, Daniel Hansch, Viktoria Pammer, **Marco Rospocher**, Chiara Ghidini, Stefanie Lindstaedt, and Luciano Serafini. Applications of Semantic Wikis. In Paul Warren, John Davies, and Elena Simperl (editors), *Context and Semantics for Knowledge Management: Technologies for Personal Productivity*, chapter 12, pages 229–254. Springer-Verlag. ISBN: 978-3-642-19509-9; 978-3-642-19510-5 (2011)
DOI: `10.1007/978-3-642-19510-5_12`
URL: https://link.springer.com/content/pdf/10.1007/978-3-642-19510-5_12

1. Claudio Eccher, Antonella Ferro, Andreas Seyfang, **Marco Rospocher**, and Silvia Miksch. Modeling Clinical Protocols Using Semantic MediaWiki: The Case of the Oncocure Project. In David Riaño (editors), *Knowledge Management for Health Care Procedures: ECAI 2008 Workshop, K4HelP 2008, Patras, Greece, July 21, 2008, Revised Selected Papers*, pages 42–54. Springer. ISBN: 978-3-642-03261-5 (2008)
DOI: `10.1007/978-3-642-03262-2_4`
Scopus: `2-s2.0-70350380476`
WoS: `WOS:000270024300004`
URL: https://link.springer.com/chapter/10.1007/978-3-642-03262-2_4

### 2.4.4 Conferences

52. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto, and Paolo Fiorini. The Robotic Surgery Procedural Framebank. In *Proceedings of the Language Resources and Evaluation Conference*, pages 3950–3959. European Language Resources Association (2022)
Scopus: `2-s2.0-85144346394`
WoS: `WOS:000889371704006`
URL: https://aclanthology.org/2022.lrec-1.420

51. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. VTKEL: A resource for Visual-Textual-Knowledge Entity Linking. In *Proceedings of the 35th Annual ACM Symposium on Applied Computing*, pages 2021–2028 (2020)
DOI: `10.1145/3341105.3373958`
Scopus: `2-s2.0-85083037406`
WoS: `WOS:000569720900277`
URL: https://dl.acm.org/doi/abs/10.1145/3341105.3373958

50. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. Jointly Linking Visual and Textual Entity Mentions with Background Knowledge. In Elisabeth Métais, Farid Meziane, Helmut Horacek, and Philipp Cimiano (editors), *Natural Language Processing and Information Systems - 25th International Conference on Applications of Natural Language to Information Systems, NLDB 2020, Saarbrücken, Germany, June 24-26, 2020, Proceedings*, vol. 12089 of *Lecture Notes in Computer Science*, pages 264–276. Springer (2020)
DOI: `10.1007/978-3-030-51310-8_24`
Scopus: `2-s2.0-85087532006`
WoS: `WOS:000884363500024`
URL: https://link.springer.com/chapter/10.1007%2F978-3-030-51310-8_24

49. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. On Visual-Textual-Knowledge Entity Linking. In *14th IEEE International Conference on Semantic Computing (IEEE-ICSC)*, pages 190–193 (2020)
DOI: `10.1109/ICSC.2020.00039`
Scopus: `2-s2.0-85083462229`
WoS: `WOS:000565450400031`
URL: https://ieeexplore.ieee.org/document/9031450

48. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. VT-LINKER: Visual-Textual-Knowledge Entity Linker. In *ECAI 2020: 24th European Conference on Artificial Intelligence*, vol. 325 of *Frontiers in Artificial Intelligence and Applications*, pages 2897–2898. IOS Press (2020)
DOI: `10.3233/FAIA200442`
Scopus: `2-s2.0-85091769080`
WoS: `WOS:000650971303068`
URL: https://ebooks.iospress.nl/volumearticle/55237

47. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. Computer-Assisted Curation of Digital Cultural Heritage Resources. In *Digital Humanities 2019 (DH2019)* (2019)

46. **Marco Rospocher**. An Ontology-Driven Probabilistic Soft Logic Approach to Improve NLP Entity Annotations. In Denny Vrandecic, Kalina Bontcheva, Mari Carmen Suárez-Figueroa, Valentina Presutti, Irene Celino, Marta Sabou, Lucie-Aimée Kaffee, and Elena Simperl (editors), *The Semantic Web - ISWC 2018 - 17th International Semantic Web Conference, Monterey, CA, USA, October 8-12, 2018, Proceedings, Part I*, vol. 11136 of *Lecture Notes in Computer Science*, pages 144–161. Springer (2018)
DOI: `10.1007/978-3-030-00671-6_9`
Scopus: `2-s2.0-85054796504`
WoS: `WOS:000476939700009`
URL: https://link.springer.com/chapter/10.1007%2F978-3-030-00671-6_9

45. Mauro Dragoni, **Marco Rospocher**, Tania Bailoni, Rosa Maimone, and Claudio Eccher. Semantic Technologies for Healthy Lifestyle Monitoring. In Denny Vrandecic, Kalina Bontcheva, Mari Carmen Suárez-Figueroa, Valentina Presutti, Irene Celino, Marta Sabou, Lucie-Aimée Kaffee, and Elena Simperl (editors), *The Semantic Web - ISWC 2018 - 17th International Semantic Web Conference, Monterey, CA, USA, October 8-12, 2018, Proceedings, Part II*, vol. 11137 of *Lecture Notes in Computer Science*, pages 307–324. Springer (2018)
DOI: `10.1007/978-3-030-00668-6_19`
Scopus: `2-s2.0-85054877475`
WoS: `WOS:000476939400019`
URL: https://link.springer.com/chapter/10.1007%2F978-3-030-00668-6_19

44. **Marco Rospocher** and Francesco Corcoglioniti. Joint Posterior Revision of NLP Annotations via Ontological Knowledge. In *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence, IJCAI-18*, pages 4316–4322. International Joint Conferences on Artificial Intelligence Organization. ISBN: 978-0-9992411-2-7 (2018)
DOI: `10.24963/ijcai.2018/600`
Scopus: `2-s2.0-85054887275`
WoS: `WOS:000764175404065`
URL: https://www.ijcai.org/proceedings/2018/600

43. Stefano Borgo, Loris Bozzato, Alessio Palmero Aprosio, **Marco Rospocher**, and Luciano Ser-
    afini. Towards Integration of Ontology and Text-extracted Data for Event Coreference Reason-
    ing. In *Proceedings of the Symposium on Applied Computing* of *SAC '17*, pages 353–355. ACM.
    ISBN: 978-1-4503-4486-9 (2017)
    DOI: `10.1145/3019612.3019916`
    Scopus: `2-s2.0-85020846140`
    URL: https://dl.acm.org/citation.cfm?id=3019916

42. Francesco Corcoglioniti, **Marco Rospocher**, and Alessio Palmero Aprosio. A 2-phase Frame-
    based Knowledge Extraction Framework. In *Proceedings of the 31st Annual ACM Symposium on
    Applied Computing, Pisa, Italy, April 4-8, 2016*, pages 354–361. ACM. ISBN: 978-1-4503-3739-7
    (2016)
    DOI: `10.1145/2851613.2851845`
    Scopus: `2-s2.0-84975887050`
    URL: https://dl.acm.org/citation.cfm?id=2851845

41. Roxane Segers, **Marco Rospocher**, Piek Vossen, Egoitz Laparra, German Rigau, and Anne-
    Lyse Minard. The Event and Implied Situation Ontology (ESO): Application and Evaluation.
    In Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Marko Grobelnik, Bente Maegaard,
    Joseph Mariani, Asuncion Moreno, Jan Odijk, and Stelios Piperidis (editors), *Proceedings of
    the Tenth International Conference on Language Resources and Evaluation (LREC 2016)*, pages
    1463–1470. European Language Resources Association (ELRA). ISBN: 978-2-9517408-9-1 (2016)
    Scopus: `2-s2.0-85037175764`
    WoS: `WOS:000526952501107`
    URL: https://aclanthology.org/L16-1233/

40. Francesco Corcoglioniti, **Marco Rospocher**, Alessio Palmero Aprosio, and Sara Tonelli. Pre-
    MOn: a Lemon Extension for Exposing Predicate Models as Linked Data. In Nicoletta Calzolari,
    Khalid Choukri, Thierry Declerck, Marko Grobelnik, Bente Maegaard, Joseph Mariani, Asun-
    cion Moreno, Jan Odijk, and Stelios Piperidis (editors), *Proceedings of the Tenth International
    Conference on Language Resources and Evaluation (LREC 2016)*, pages 877–884. European
    Language Resources Association (ELRA). ISBN: 978-2-9517408-9-1 (2016)
    Scopus: `2-s2.0-84996521101`
    WoS: `WOS:000526952501015`
    URL: https://aclanthology.org/L16-1141/

39. Roxane Segers, Egoitz Laparra, **Marco Rospocher**, Piek Vossen, German Rigau, and Filip
    Ilievski. The Predicate Matrix and the Event and Implied Situation Ontology: Making More of
    Events. In *Proceedings of the Eighth Global WordNet Conference (Bucharest, Romania, January
    27-30, 2016)*, pages 360–368. ISBN: 978-973-0-20728-6 (2016)
    Scopus: `2-s2.0-84962815412`
    URL: https://aclanthology.org/2016.gwc-1.51/

38. Francesco Corcoglioniti, Mauro Dragoni, **Marco Rospocher**, and Alessio Palmero Aprosio.
    Knowledge Extraction for Information Retrieval. In Harald Sack, Eva Blomqvist, Mathieu
    d'Aquin, Chiara Ghidini, Simone Paolo Ponzetto, and Christoph Lange (editors), *The Semantic
    Web. Latest Advances and New Domains - 13th International Conference, ESWC 2016, Herak-
    lion, Crete, Greece, May 29 - June 2, 2016, Proceedings*, vol. 9678 of *Lecture Notes in Computer
    Science*, pages 317–333. Springer. ISBN: 978-3-319-34128-6, 978-3-319-34129-3 (2016)
    DOI: `10.1007/978-3-319-34129-3_20`

Scopus: `2-s2.0-84979021942`
WoS: `WOS:000379122700020`
URL: https://link.springer.com/chapter/10.1007/978-3-319-34129-3_20

37. Giulio Petrucci, Chiara Ghidini, and **Marco Rospocher**. Ontology Learning in the Deep. In Eva Blomqvist, Paolo Ciancarini, Francesco Poggi, and Fabio Vitali (editors), *Knowledge Engineering and Knowledge Management - 20th International Conference, EKAW 2016, Bologna, Italy, November 19-23, 2016, Proceedings*, vol. 10024 of *Lecture Notes in Computer Science*, pages 480–495. ISBN: 978-3-319-49003-8, 978-3-319-49004-5 (2016)
DOI: `10.1007/978-3-319-49004-5_31`
Scopus: `2-s2.0-84997079538`
WoS: `WOS:000389315800031`
URL: https://link.springer.com/chapter/10.1007/978-3-319-49004-5_31

36. Francesco Corcoglioniti, **Marco Rospocher**, Michele Mostarda, and Marco Amadori. Processing Billions of RDF Triples on a Single Machine using Streaming and Sorting. In *Proceedings of the 30th Annual ACM Symposium on Applied Computing* of *SAC '15*, pages 368–375. ACM. ISBN: 978-1-4503-3196-8 (2015)
DOI: `10.1145/2695664.2695720`
Scopus: `2-s2.0-84955507876`
WoS: `WOS:000381029800058`
URL: https://dl.acm.org/citation.cfm?doid=2695664.2695720

35. Francesco Corcoglioniti, Alessio Palmero Aprosio, and **Marco Rospocher**. Demonstrating the Power of Streaming and Sorting for Non-distributed RDF Processing: RDFpro. In *Proceedings of the ISWC 2015 Posters & Demonstrations Track co-located with the 14th International Semantic Web Conference (ISWC-2015)*, vol. 1486 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2015)
Scopus: `2-s2.0-84955605785`
URL: http://ceur-ws.org/Vol-1486/paper_52.pdf

34. Francesco Corcoglioniti, **Marco Rospocher**, and Alessio Palmero Aprosio. Extracting Knowledge from Text with PIKES. In *Proceedings of the ISWC 2015 Posters & Demonstrations Track co-located with the 14th International Semantic Web Conference (ISWC-2015)*, vol. 1486 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2015)
Scopus: `2-s2.0-84955561780`
URL: http://ceur-ws.org/Vol-1486/paper_66.pdf

33. Loris Bozzato, Stefano Borgo, Alessio Palmero Aprosio, **Marco Rospocher**, and Luciano Serafini. A Contextual Framework for Reasoning on Events. In *Convegno Italiano di Logica Computazionale 2015 - CILC2015 Proceedings* (2015)

32. **Marco Rospocher**, Tania Tudorache, and Mark A. Musen. Investigating Collaboration Dynamics in Different Ontology Development Environments. In Robert Buchmann, Claudiu Vasile Kifor, and Jian Yu (editors), *Knowledge Science, Engineering and Management - 7th International Conference, KSEM 2014, Sibiu, Romania, October 16-18, 2014. Proceedings*, vol. 8793 of *Lecture Notes in Computer Science*, pages 302–313. Springer. ISBN: 978-3-319-12095-9; 978-3-319-12096-6 (2014)
DOI: `10.1007/978-3-319-12096-6_27`
Scopus: `2-s2.0-84909588651`

WoS: WOS:000345026700027
URL: https://link.springer.com/chapter/10.1007/978-3-319-12096-6_27

31. Sofia Cramerotti, Marco Buccio, Giampiero Vaschetto, **Marco Rospocher**, Luciano Serafini, Elena Cardillo, and Ivan Donadello. ePlanning: an Ontology-based System for Building Individualized Education Plans for Students with Special Educational Needs. In *Proceedings of the Industry Track at the International Semantic Web Conference 2014 (ISWC 2014), Riva del Garda, Italy, October 19-23, 2014*, vol. 1383 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: 2-s2.0-84937136483
URL: http://ceur-ws.org/Vol-1383/paper7.pdf

30. Matteo Matassoni, **Marco Rospocher**, Mauro Dragoni, and Paolo Bouquet. TeX-OWL: a Latex-Style Syntax for authoring OWL 2 ontologies. In *ISWC 2014 Posters & Demonstrations Track, within the 13th International Semantic Web Conference (ISWC 2014), Riva del Garda, Italy, October 21, 2014*, vol. 1272 of *CEUR Proceedings*, pages 357–360. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: 2-s2.0-84921885773
URL: http://ceur-ws.org/Vol-1272/paper_96.pdf

29. **Marco Rospocher**, Francesco Corcoglioniti, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Integrating NLP and SW with the KnowledgeStore. In *ISWC 2014 Posters & Demonstrations Track, within the 13th International Semantic Web Conference (ISWC 2014), Riva del Garda, Italy, October 21, 2014*, vol. 1272 of *CEUR Proceedings*, pages 69–72. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: 2-s2.0-84921847285
URL: http://ceur-ws.org/Vol-1272/paper_56.pdf

28. **Marco Rospocher**. An ontology for personalized environmental decision support. In Pawel Garbacz and Oliver Kutz (editors), *Formal Ontology in Information Systems - Proceedings of the Eighth International Conference, FOIS2014, September, 22-25, 2014, Rio de Janeiro, Brazil*, vol. 267, pages 421–426. IOS Press. ISBN: 978-1-61499-437-4; 978-1-61499-438-1 (2014)
Runner-up Prize at the FOIS2014 Ontology Competition
DOI: 10.3233/978-1-61499-438-1-421
Scopus: 2-s2.0-84907005169
URL: http://ebooks.iospress.nl/publication/37989

27. **Marco Rospocher**, Chiara Ghidini, and Luciano Serafini. An ontology for the Business Process Modelling Notation. In Pawel Garbacz and Oliver Kutz (editors), *Formal Ontology in Information Systems - Proceedings of the Eighth International Conference, FOIS2014, September, 22-25, 2014, Rio de Janeiro, Brazil*, vol. 267, pages 133–146. IOS Press. ISBN: 978-1-61499-437-4; 978-1-61499-438-1 (2014)
DOI: 10.3233/978-1-61499-438-1-133
Scopus: 2-s2.0-84906991358
URL: http://ebooks.iospress.nl/publication/37963

26. **Marco Rospocher**, Francesco Corcoglioniti, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Integrating Unstructured and Structured Knowledge with the KnowledgeStore. In *Knowledge Engineering and Knowledge Management - EKAW 2014 Satellite Events, VISUAL, EKM1, and ARCOE-Logic, Linköping, Sweden, November 24-28, 2014. Revised Selected Papers.*

*(Demo)*, vol. 8982 of *Lecture Notes in Computer Science*, pages 177–181. Springer. ISBN: 978-3-319-17965-0; 978-3-319-17966-7 (2014)
DOI: `10.1007/978-3-319-17966-7_26`
Scopus: `2-s2.0-84928533432`
WoS: `WOS:000368372800025`
URL: http://link.springer.com/chapter/10.1007/978-3-319-17966-7_26

25. **Marco Rospocher**, Elena Cardillo, Ivan Donadello, and Luciano Serafini. On the Collaborative Development of Application Ontologies: A Practical Case Study with a SME. In Krzysztof Janowicz, Stefan Schlobach, Patrick Lambrix, and Eero Hyvönen (editors), *Knowledge Engineering and Knowledge Management - Proceedings of the 19th International Conference, EKAW 2014, Linköping, Sweden, November 24-28, 2014*, vol. 8876 of *Lecture Notes in Computer Science*, pages 469–484. Springer International Publishing. ISBN: 978-3-319-13703-2 (2014)
DOI: `10.1007/978-3-319-13704-9_36`
Scopus: `2-s2.0-84914168864`
WoS: `WOS:000354879800036`
URL: https://link.springer.com/chapter/10.1007/978-3-319-13704-9_36

24. Chiara Di Francescomarino, **Marco Rospocher**, Chiara Ghidini, and Andrea Valerio. The Role of Semantic Annotations in Business Process Modelling. In *18th IEEE International Enterprise Computing Conference (EDOC 2014), 1-5 September 2014, Ulm, Germany*, pages 181–189. IEEE. ISSN: 1541-7719. ISBN: 978-1-4799-5470-4 (2014)
Best Research Paper Award
DOI: `10.1109/EDOC.2014.33`
Scopus: `2-s2.0-84937407997`
WoS: `WOS:000358531500023`
URL: https://ieeexplore.ieee.org/document/6972066

23. Francesco Corcoglioniti, **Marco Rospocher**, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Interlinking Unstructured and Structured Knowledge in an Integrated Framework. In *7th IEEE International Conference on Semantic Computing (ICSC), Irvine, CA, USA*, pages 40–47. IEEE. ISBN: 978-0-7695-5119-7 (2013)
DOI: `10.1109/ICSC.2013.17`
Scopus: `2-s2.0-84893978848`
WoS: `WOS:000330582900006`
URL: https://ieeexplore.ieee.org/document/6693492/

22. Nadjet Bouayad-Agha, Gerard Casamayor, Simon Mille, **Marco Rospocher**, Horacio Saggion, Luciano Serafini, and Leo Wanner. From Ontology to NL: Generation of Multilingual User-Oriented Environmental Reports. In *Natural Language Processing and Information Systems: Proceedings of 17th International conference on Applications of Natural Language Processing to Information Systems (NLDB 2012), 26-28 June 2012, Groningen, The Netherlands*, vol. 7337, pages 216–221. Springer Berlin Heidelberg. ISBN: 978-3-642-31177-2; 978-3-642-31178-9 (2012)
DOI: `10.1007/978-3-642-31178-9_24`
Scopus: `2-s2.0-84864020017`
URL: http://link.springer.com/chapter/10.1007/978-3-642-31178-9_24

21. **Marco Rospocher** and Luciano Serafini. An Ontological Framework for Decision Support. In *2nd Joint International Semantic Technology Conference (JIST2012), Dec 2 - 4, 2012, Nara,*

*Japan*, vol. 7774 of *Lecture Notes in Computer Science*, pages 239–254. ISBN: 978-3-642-37995-6; 978-3-642-37996-3 (2012)
DOI: `10.1007/978-3-642-37996-3_16`
Scopus: `2-s2.0-84892982627`
URL: http://link.springer.com/chapter/10.1007/978-3-642-37996-3_16

20. Leo Wanner, **Marco Rospocher**, Stefanos Vrochidis, Harald Bosch, Nadjet Bouayad-Agha, Ulrich Bügel, Gerard Casamayor, Thomas Ertl, Désirée Hilbring, Ari Karppinen, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Jürgen Moßgraber, Anastasia Moumtzidou, Maria Myllynen, Emanuele Pianta, Horacio Saggion, Luciano Serafini, Virpi Tarvainen, and Sara Tonelli. Personalized Environmental Service Configuration and Delivery Orchestration: The PESCaDO Demonstrator. In Elena Simperl, Barry Norton, Dunja Mladenic, Emanuele Della Valle, Irini Fundulaki, Alexandre Passant, and Raphaël Troncy (editors), *The Semantic Web: ESWC 2012 Satellite Events - ESWC 2012 Satellite Events, Heraklion, Crete, Greece, May 27-31, 2012. Revised Selected Papers*, vol. 7540 of *Lecture Notes in Computer Science*, pages 435–440. Springer. ISBN: 978-3-662-46640-7; 978-3-662-46641-4 (2012)
DOI: `10.1007/978-3-662-46641-4_41`
Scopus: `2-s2.0-84942636152`
URL: https://link.springer.com/chapter/10.1007/978-3-662-46641-4_41

19. Chiara Di Francescomarino, Mauro Dragoni, Matteo Gerosa, Chiara Ghidini, **Marco Rospocher**, and Michele Trainotti. Achieving Interoperability Through Semantic Technologies in the Public Administration. In *The Semantic Web: Research and Applications: The Extended Semantic Web Conference 2012 - ESWC2012*, vol. 7295 of *Lecture Notes in Computer Science*, pages 793–807. Springer Berlin Heidelberg. ISBN: 978-3-642-30283-1; 978-3-642-30284-8 (2012)
DOI: `10.1007/978-3-642-30284-8_60`
Scopus: `2-s2.0-84861758810`
URL: http://link.springer.com/chapter/10.1007/978-3-642-30284-8_60

18. Nadjet Bouayad-Agha, Gerard Casamayor, Simon Mille, **Marco Rospocher**, Horacio Saggion, Luciano Serafini, and Leo Wanner. Generation of Multilingual Personalized Environmental Bulletins from an OWL-based Ontology. In *Man - environment - Bauhaus. Light up the ideas of environmental Informatics : proceedings of the 26th International Conference on Informatics - Informatics for Environmental Protection, Sustainable Development and Risk Management, August 29 - 31, 2012, Umweltbundesamt Dessau, Germany / EnviroInfo 2012, 26th International Conference on Informatics for Environmental Protection*, pages 481–489. Shaker Verlag GmbH (2012)

17. Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. Conceptual Modeling in Wikis: a Reference Architecture and a Tool. In *The Fourth International Conference on Information, Process, and Knowledge Management (eKNOW2012), Valencia, Spain*, pages 128–135. ISSN: 2308-4375. ISBN: 978-1-61208-181-6 (2012)
URL: http://www.thinkmind.org/index.php?view=article&articleid=eknow_2012_6_10_60015

16. **Marco Rospocher**, Sara Tonelli, Luciano Serafini, and Emanuele Pianta. Key-concept Extraction for Ontology Engineering. In *Knowledge Engineering and Knowledge Management: 18th International Conference on Knowledge Engineering and Knowledge Management - EKAW 2012, Galway, Ireland, 2012*, vol. 7603 of *Lecture Notes in Computer Science*, pages 413–416. Springer Berlin Heidelberg. ISBN: 978-3-642-33875-5; 978-3-642-33876-2 (2012)
DOI: `10.1007/978-3-642-33876-2_36`

Scopus: `2-s2.0-84867664132`
URL: https://link.springer.com/chapter/10.1007/978-3-642-33876-2_36

15. Chiara Di Francescomarino, Chiara Ghidini, and **Marco Rospocher**. Evaluating wiki-enhanced ontology authoring. In *Knowledge Engineering and Knowledge Management: The 18th International Conference on Knowledge Engineering and Knowledge Management - EKAW2012, Galway, Ireland*, vol. 7603 of *Lecture Notes in Computer Science*, pages 292–301. Springer Berlin Heidelberg. ISBN: 978-3-642-33875-5; 978-3-642-33876-2 (2012)
    DOI: `10.1007/978-3-642-33876-2_26`
    Scopus: `2-s2.0-84867686191`
    URL: https://link.springer.com/chapter/10.1007/978-3-642-33876-2_26

14. Cristiano Casagni, Chiara Di Francescomarino, Mauro Dragoni, Licia Fiorentini, Luca Franci, Matteo Gerosa, Chiara Ghidini, Federica Rizzoli, **Marco Rospocher**, Anna Rovella, Luciano Serafini, Stefania Sparaco, and Alessandro Tabarroni. Wiki-Based Conceptual Modeling: An Experience with the Public Administration. In *The Semantic Web - ISWC 2011: 10th International Semantic Web Conference, Bonn, Germany, October 23-27, 2011, Proceedings, Part II*, vol. 7032 of *Lecture Notes in Computer Science*, pages 17–32. Springer Berlin / Heidelberg. ISBN: 978-3-642-25092-7; 978-3-642-25093-4 (2011)
    DOI: `10.1007/978-3-642-25093-4_2`
    Scopus: `2-s2.0-80055031069`
    WoS: `WOS:000306458200002`
    URL: http://link.springer.com/chapter/10.1007/978-3-642-25093-4_2

13. Leo Wanner, Stefanos Vrochidis, Sara Tonelli, Jürgen Moßgraber, Harald Bosch, Ari Karppinen, Maria Myllynen, **Marco Rospocher**, Nadjet Bouayad-Agha, Ulrich Bügel, Gerard Casamayor, Thomas Ertl, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Anastasia Moumtzidou, Emanuele Pianta, Horacio Saggion, Luciano Serafini, and Virpi Tarvainen. Building an Environmental Information System for Personalized Content Delivery. In *Proceedings of the 9th IFIP WG 5.11 International Symposium on Environmental Software Systems - Frameworks of eEnvironment (ISESS 2011), Brno, Czech Republic, June 27-29, 2011*, vol. 359 of *IFIP Advances In Information And Communication Technology*, pages 169–176. Springer. ISBN: 978-3-642-22284-9; 978-3-642-22285-6 (2011)
    DOI: `10.1007/978-3-642-22285-6_19`
    Scopus: `2-s2.0-79960780707`
    WoS: `WOS:000306579200019`
    URL: http://link.springer.com/chapter/10.1007/978-3-642-22285-6_19

12. Sara Tonelli, **Marco Rospocher**, Emanuele Pianta, and Luciano Serafini. Boosting collaborative ontology building with key-concept extraction. In *Proceedings of 5th IEEE International Conference on Semantic Computing ICSC2011 (September 18-21, 2011 - Palo Alto, CA, USA)*, pages 316–319. IEEE. ISBN: 978-0-7695-4492-2 (2011)
    DOI: `10.1109/ICSC.2011.21`
    Scopus: `2-s2.0-81255192270`
    WoS: `WOS:000410187400057`
    URL: https://ieeexplore.ieee.org/document/6061480/

11. Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. MoKi: a Wiki-Based Conceptual Modeling Tool. In *ISWC 2010 Posters & Demonstrations Track: Collected Abstracts*, vol. 658 of *CEUR Proceedings*, pages 77–80. CEUR-WS.org. ISSN: 1613-0073 (2010)

Scopus: `2-s2.0-80055057259`
URL: http://ceur-ws.org/Vol-658/paper456.pdf

10. Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. MoKi: a Wiki-Based Conceptual Modeling Tool. In *Proceedings of the EKAW2010 Poster and Demo Track*, vol. 674 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2010)
Scopus: `2-s2.0-84889674069`
URL: http://ceur-ws.org/Vol-674/Paper56.pdf

9. Viktoria Pammer, Stefanie Lindstaedt, Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. Automatic Support for Formative Ontology Evaluation. In *Proceedings of the EKAW2010 Poster and Demo Track*, vol. 674 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2010)
Scopus: `2-s2.0-84889673632`
URL: http://ceur-ws.org/Vol-674/Paper45.pdf

8. **Marco Rospocher**, Claudio Eccher, Chiara Ghidini, Rakebul Hasan, Andreas Seyfang, Antonella Ferro, and Silvia Miksch. Collaborative Encoding of Asbru Clinical Protocols. In *Electronic Healthcare (eHealth2010 - 3rd International ICST Conference on Electronic Healthcare for the 21st century, 13-15 December 2010 - Casablanca, Morocco)*, vol. 69 of *Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, pages 135–143. Springer Berlin Heidelberg. ISBN: 978-3-642-23634-1; 978-3-642-23635-8 (2012)
DOI: `10.1007/978-3-642-23635-8_17`
Scopus: `2-s2.0-84885887001`
URL: http://link.springer.com/chapter/10.1007/978-3-642-23635-8_17

7. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Paolo Tonella. Semantically-aided business process modeling. In *The Semantic Web - ISWC 2009: 8th International Semantic Web Conference, ISWC 2009, Chantilly, VA, USA, October 25-29, 2009. Proceedings*, vol. 5823 of *Lecture Notes in Computer Science*, pages 114–129. Springer Berlin Heidelberg. ISBN: 978-3-642-04929-3; 978-3-642-04930-9 (2009)
DOI: `10.1007/978-3-642-04930-9_8`
Scopus: `2-s2.0-78650439948`
WoS: `WOS:000273977000008`
URL: http://link.springer.com/chapter/10.1007/978-3-642-04930-9_8

6. Viktoria Pammer, Barbara Kump, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Stefanie Lindstaedt. Revision Support for Modeling Tasks, Topics and Skills. In *5th International Conference on Semantic Systems (I-SEMANTICS '09)*, pages 501–508. Verlag der Technischen Universität Graz (2009)
Scopus: `2-s2.0-84884864009`

5. Chiara Ghidini, Barbara Kump, Stefanie Lindstaedt, Nahid Mahbub, Viktoria Pammer, **Marco Rospocher**, and Luciano Serafini. MoKi: The Enterprise Modelling Wiki. In *The Semantic Web: Research and Applications: 6th European Semantic Web Conference, ESWC 2009 Heraklion, Crete, Greece, May 31–June 4, 2009 Proceedings*, vol. 5554 of *Lecture Notes in Computer Science*, pages 831–835. Springer. ISBN: 978-3-642-02120-6; 978-3-642-02121-3 (2009)
DOI: `10.1007/978-3-642-02121-3_65`
Scopus: `2-s2.0-69849096126`
WoS: `WOS:000267376400061`
URL: https://link.springer.com/chapter/10.1007/978-3-642-02121-3_65

4. Conny Christl, Chiara Ghidini, Joanna Guss, Viktoria Pammer, Stefanie Lindstaedt, **Marco Rospocher**, Peter Scheir, and Luciano Serafini. Deploying semantic web technologies for work integrated learning in industry. A comparison: SME vs. large sized company. In *The Semantic Web - ISWC 2008: 7th International Semantic Web Conference, ISWC 2008, Karlsruhe, Germany, October 26-30, 2008. Proceedings*, vol. 5318 of *Lecture Notes in Computer Science*, pages 709–722. Springer Berlin Heidelberg. ISBN: 978-3-540-89647-0; 978-3-540-89652-4 (2008)
   Recognized with the honorable mention award at the In Use Track
   DOI: `10.1007/978-3-540-88564-1_45`
   Scopus: `2-s2.0-57349111208`
   WoS: `WOS:000263688400045`
   URL: http://link.springer.com/chapter/10.1007/978-3-540-88564-1_45

3. Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, Barbara Kump, Viktoria Pammer, Andreas Faatz, Andreas Zinnen, Joanna Guss, and Stefanie Lindstaedt. Collaborative Knowledge Engineering via Semantic MediaWiki. In *International Conference on Semantic Systems (I-SEMANTICS '08)*, pages 134–142. Verlag der Technischen Universität Graz. ISSN: 0948-695x; 0948-6968 (2008)
   URL: https://www.econstor.eu/handle/10419/44444

2. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Paolo Tonella. Reasoning on Semantically Annotated Processes. In *Service-Oriented Computing – IC-SOC 2008: 6th International Conference, Sydney, Australia, December 1-5, 2008. Proceedings*, vol. 5364 of *Lecture Notes in Computer Science*, pages 132–146. Springer Berlin Heidelberg. ISBN: 978-3-540-88563-4; 978-3-540-88564-1 (2008)
   DOI: `10.1007/978-3-540-89652-4_13`
   Scopus: `2-s2.0-58049107321`
   WoS: `WOS:000262647400009`
   URL: http://link.springer.com/chapter/10.1007/978-3-540-89652-4_13

1. Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, Andreas Faatz, Barbara Kump, Tobias Ley, Viktoria Pammer, and Stefanie Lindstaedt. Collaborative enterprise integrated modelling. In *The 16th International Conference on Knowledge Engineering and Knowledge Management Knowledge Patterns (EKAW 2008)*, pages 40–42 (2008)
   URL: http://ekaw2008.inrialpes.fr/EKAW2008PosterDemoProceedings.pdf

### 2.4.5   Workshops

21. Antske Fokkens, Piek Vossen, **Marco Rospocher**, Rinke Hoekstra, and Willem R. van Hage. GRaSP: Grounded Representation and Source Perspective. In *Proceedings of the Workshop Knowledge Resources for the Socio-Economic Sciences and Humanities associated with RANLP 2017*, pages 19—25. INCOMA Inc. (2017)
    DOI: `10.26615/978-954-452-040-3_003`
    URL: https://aclanthology.org/W17-7803/

20. Greta Adamo, Stefano Borgo, Chiara Di Francescomarino, Chiara Ghidini, and **Marco Rospocher**. BPMN 2.0 Choreography Language: Interface or business contract?. In *Proceedings of 8th International Workshop on Formal Ontologies meet Industry (FOMI)*, vol. 2050 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2017)
    Scopus: `2-s2.0-85045536795`
    URL: http://ceur-ws.org/Vol-2050/FOMI_paper_2.pdf

19. Chiara Di Francescomarino, Chiara Ghidini, and **Marco Rospocher**. Evaluating Wiki Collaborative Features in Ontology Authoring (Extended abstract). In Jan Mendling and Stefanie Rinderle-Ma (editors), *Proceedings of the 7th International Workshop on Enterprise Modeling and Information Systems Architectures (EMISA 2016)*, vol. 1701 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2016)
Scopus: `2-s2.0-84996558905`
URL: http://ceur-ws.org/Vol-1701/paper12.pdf

18. Marieke Van Erp, Filip Ilievski, **Marco Rospocher**, and Piek Vossen. Missing Mr. Brown and buying an Abraham Lincoln – Dark Entities and DBpedia. In *The Third NLP&DBpedia workshop*, vol. 1581 of *CEUR Proceedings*, pages 81–86. CEUR-WS.org. ISSN: 1613-0073 (2015)
Scopus: `2-s2.0-84977539765`
URL: http://ceur-ws.org/Vol-1581/paper8.pdf

17. Roxane Segers, Piek Vossen, **Marco Rospocher**, Luciano Serafini, Egoitz Laparra, and German Rigau. ESO: a Frame based Ontology for Events and Implied Situations. In *Proceedings of the MAPLEX 2015 Workshop* (2015)

16. Stefano Borgo, Loris Bozzato, Alessio Palmero Aprosio, **Marco Rospocher**, and Luciano Serafini. A Contextual Framework for Reasoning on Events. In *DeRiVE2015 Workshop Proceedings*, vol. 1363 of *CEUR Proceedings*, pages 47—57. CEUR-WS.org. ISSN: 1613-0073 (2015)
Scopus: `2-s2.0-84931457960`
URL: http://ceur-ws.org/Vol-1363/paper_6.pdf

15. Matteo Matassoni, **Marco Rospocher**, Mauro Dragoni, and Paolo Bouquet. Authoring OWL2 ontologies with the TeX-OWL syntax. In *OWLED 2014 - OWL: Experiences and Directions Workshop 2014*, vol. 1265 of *CEUR Proceedings*, pages 133–138. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: `2-s2.0-84909600081`
URL: http://ceur-ws.org/Vol-1265/owled2014_submission_8.pdf

14. Ian Hopkinson, Steve Maude, and **Marco Rospocher**. A Simple API to the KnowledgeStore. In *Proc. of ISWC Developers Workshop colocated with 13th Int. Semantic Web Conference (ISWC'14), Riva del Garda, Italy*, vol. 1268 of *CEUR Proceedings*, pages 7–12. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: `2-s2.0-84908699082`
URL: http://ceur-ws.org/Vol-1268/paper2.pdf

13. Francesco Corcoglioniti, **Marco Rospocher**, Marco Amadori, and Michele Mostarda. RDFpro: an Extensible Tool for Building Stream-Oriented RDF Processing Pipelines. In *Proc. of ISWC Developers Workshop colocated with 13th Int. Semantic Web Conference (ISWC'14), Riva del Garda, Italy*, vol. 1268 of *CEUR Proceedings*, pages 49–64. CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: `2-s2.0-84908673461`
URL: http://ceur-ws.org/Vol-1268/paper9.pdf

12. Daniil Mirylenka, **Marco Rospocher**, Ivan Donadello, Elena Cardillo, and Luciano Serafini. Exploring an ontology via text similarity: an experimental study. In *Workshop on Intelligent Exploration of Semantic Data (IESD2014), co-located with ISWC2014*, vol. 1279 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2014)

Scopus: `2-s2.0-84939632833`
URL: http://ceur-ws.org/Vol-1279/iesd14_3.pdf

11. Jürgen Moßgraber and **Marco Rospocher**. Ontology Management in a Service-oriented Architecture. In *11th International Workshop on Web Semantics and Information Processing (WebS2012)*, pages 289–293. IEEE. ISSN: 2378-3915; 1529-4188. ISBN: 978-1-4673-2621-6 (2012)
DOI: `10.1109/DEXA.2012.28`
Scopus: `2-s2.0-84869474193`
WoS: `WOS:000312658400047`
URL: https://ieeexplore.ieee.org/document/6327441/

10. **Marco Rospocher** and Luciano Serafini. Ontology-centric decision support. In *International Workshop on Semantic Technologies meet Recommender Systems & Big Data (SeRSy 2012), co-located with ISWC2012*, vol. 919 of *CEUR Proceedings*, pages 61–72. CEUR-WS.org. ISSN: 1613-0073 (2012)
Scopus: `2-s2.0-84892519181`
URL: http://ceur-ws.org/Vol-919/paper6.pdf

9. Leo Wanner, Stefanos Vrochidis, **Marco Rospocher**, Jürgen Moßgraber, Harald Bosch, Ari Karppinen, Maria Myllynen, Sara Tonelli, Nadjet Bouayad-Agha, Ulrich Bügel, Gerard Casamayor, Thomas Ert, Desiree Hilbring, Kostas Karatzas, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Anastasia Moumtzidou, Emanuele Pianta, Horacio Saggion, Luciano Serafini, and and Virpi Tarvainen. Personalized environmental service orchestration for quality life improvement. In *Artificial Intelligence Applications and Innovations: The 3rd Intelligent Systems for Quality of Life information Services Workshop - ISQL 2012*, vol. 382, pages 351–360. Springer Berlin Heidelberg. ISBN: 978-3-642-33411-5; 978-3-642-33412-2 (2012)
DOI: `10.1007/978-3-642-33412-2_36`
Scopus: `2-s2.0-84870942008`
URL: http://link.springer.com/chapter/10.1007/978-3-642-33412-2_36

8. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Paolo Tonella. Semantically-aided business process modeling. In *6th Workshop on Semantic Web Applications and Perspectives - Bressanone, Italy- Sep. 21-22, 2010* (2010)
Scopus: `2-s2.0-84874270508`

7. Leo Wanner, Harald Bosch, Nadjet Bouayad-Agha, Ulrich Bügel, Gerard Casamayor, Thomas Ertl, Ari Karppinen, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Jürgen Moßgraber, Anastasia Moumtzidou, Maria Myllynen, Emanuele Pianta, **Marco Rospocher**, Horacio Saggion, Luciano Serafini, Virpi Tarvainen, Sara Tonelli, Thomas Usländer, and Stefanos Vrochidis. Service-Based Infrastructure for User-Oriented Environmental Information Delivery. In *Proceedings of the Workshop on Environmental Information Systems and Services - Infrastructures and Platforms*, vol. 679 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2010)
Scopus: `2-s2.0-84890088214`
URL: http://ceur-ws.org/Vol-679/paper1.pdf

6. **Marco Rospocher**, Chiara Ghidini, Viktoria Pammer, Luciano Serafini, and Stefanie Lindstaedt. MoKi: the Modelling wiKi. In *SemWiki2009 - Fourth Workshop on Semantic Wikis*, vol. 464 of *CEUR Proceedings*, pages 113–127. CEUR-WS.org. ISSN: 1613-0073 (2009)
Scopus: `2-s2.0-84873430076`
URL: http://ceur-ws.org/Vol-464/paper-01.pdf

5. **Marco Rospocher**, Claudio Eccher, Chiara Ghidini, Rakebul Hasan, Andreas Seyfang, Antonella Ferro, and Silvia Miksch. CliP-MoKi: A collaborative tool for encoding Asbru Clinical Protocols. In *Workshop on Knowledge Representation for Heath-Care: Patient Data, Processes and Guidelines (Demo)* (2009)

4. Chiara Ghidini, Barbara Kump, Stefanie Lindstaedt, Nahid Mahbub, Viktoria Pammer, **Marco Rospocher**, and Luciano Serafini. MoKi: A Collaborative Enterprise Modelling Tool. In *Workshop on Collaborative Construction, Management and Linking of Structured Knowledge (CK2009) - co-located with the 8th International Semantic Web Conference ISWC-2009*, vol. 514 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2009)
Scopus: `2-s2.0-84891422809`
URL: http://CEUR-WS.org/Vol-514/paper8.pdf

3. **Marco Rospocher**, Chiara Di Francescomarino, Chiara Ghidini, Luciano Serafini, and Paolo Tonella. Collaborative Specification of Semantically Annotated Business Processes. In *Business Process Management Workshops: BPM 2009 International Workshops, Ulm, Germany, September 7, 2009. Revised Papers*, vol. 43 of *Lecture Notes in Business Information Processing*, pages 305–317. Springer (2009)
DOI: `10.1007/978-3-642-12186-9_29`
Scopus: `2-s2.0-77953989235`
WoS: `WOS:000280489400029`
URL: https://link.springer.com/chapter/10.1007/978-3-642-12186-9_29

2. **Marco Rospocher**, Chiara Ghidini, Luciano Serafini, Barbara Kump, Viktoria Pammer, Stefanie N. Lindstaedt, Andreas Faatz, and Tobias Ley. Collaborative Enterprise Integrated Modelling. In Aldo Gangemi, Johannes Keizer, Valentina Presutti, and Heiko Stoermer (editors), *Proceedings of the 5th Workshop on Semantic Web Applications and Perspectives (SWAP2008), Rome, Italy, December 15-17, 2008*, vol. 426 of *CEUR Proceedings*. CEUR-WS.org. ISSN: 1613-0073 (2008)
Scopus: `2-s2.0-84874247019`
URL: http://ceur-ws.org/Vol-426/swap2008_submission_62.pdf

1. Claudio Eccher, **Marco Rospocher**, Andreas Seyfang, Antonella Ferro, and Silvia Miksch. Modeling clinical protocols using semantic MediaWiki: the case of the Oncocure project. In *ECAI 2008 Workshop on the Knowledge Management for Healthcare Processes (K4HelP)*, pages 20–24. University of Patras (2008)

### 2.4.6 Edited Works

10. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Natural Language Processing (Editorial). *Proceedings of the 37th ACM/SIGAPP Symposium on Applied Computing* of *SAC '22*. Association for Computing Machinery. ISBN: 9781450387132 (2022)
DOI: `10.1145/3535434`
Scopus: `2-s2.0-85130389497`
URL: https://dl.acm.org/doi/10.1145/3535434

9. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing (Editorial). *Proceedings of the 36th Annual ACM Symposium on Applied Computing (SAC 2021), Virtual, Online, 22 March 2021 - 26 March 2021*. ACM (2021)
DOI: `10.1145/3462420`

Scopus: `2-s2.0-85104930278`
URL: https://dl.acm.org/doi/10.1145/3462420

8. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing (Editorial). *Proceedings of the 35th Annual ACM Symposium on Applied Computing (SAC 2020), Brno, Czech Republic, March 30-April 3, 2020.* ACM (2020)
   DOI: `10.1145/3389659`
   Scopus: `2-s2.0-85083050300`
   URL: https://dl.acm.org/doi/10.1145/3389659

7. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing (Editorial). *Proceedings of the 34th Annual ACM Symposium on Applied Computing (SAC 2019), Limassol, Cyprus, 8-12 April 2019.* ACM. ISBN: 978-1-4503-5933-7 (2019)
   DOI: `10.1145/3329375`
   Scopus: `2-s2.0-85065638961`
   URL: https://dl.acm.org/doi/10.1145/3329375

6. Mauro Dragoni and **Marco Rospocher**. Applied cognitive computing: challenges, approaches, and real-world experiences. *Progress in Artificial Intelligence* Vol. 7. ISSN: 2192-6360 (2018)
   DOI: `10.1007/s13748-018-0166-4`
   Scopus: `2-s2.0-85054604553`
   WoS: `WOS:000447264800001`
   URL: https://link.springer.com/article/10.1007/s13748-018-0166-4

5. Mauro Dragoni and **Marco Rospocher**. Special Track on Cognitive Computing (Editorial). *Proceedings of the 33rd Annual ACM Symposium on Applied Computing (SAC 2018), Pau, France, 9-13 April 2018.* ACM. ISBN: 978-145035191-1 (2018)
   DOI: `10.1145/3258634`
   Scopus: `2-s2.0-85050515553`
   URL: https://dl.acm.org/doi/10.1145/3258634

4. **Marco Rospocher**, Luciano Serafini, and Sara Tonelli. Proceedings of the AI*IA 2018 Doctoral Consortium. Vol. 2249 of *AI*IA Proceedings.* CEUR-WS.org. ISSN: 1613-0073 (2018)
   Scopus: `2-s2.0-85057823289`
   URL: http://ceur-ws.org/Vol-2249/

3. Mauro Dragoni and **Marco Rospocher**. Special Track on Cognitive Computing (Editorial). *Proceedings of the 32nd Annual ACM Symposium on Applied Computing (SAC 2017), Marrakesh, Morocco, 4-6 April 2017.* ACM. ISBN: 978-145034486-9 (2017)
   DOI: `10.1145/3243944`
   Scopus: `2-s2.0-85020863106`
   URL: https://dl.acm.org/doi/10.1145/3243944

2. Marieke van Erp, Raphaël Troncy, **Marco Rospocher**, Willem Robert van Hage, and David A. Shamma. Proceedings of the 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015). Vol. 1363 of *CEUR Proceedings.* CEUR-WS.org. ISSN: 1613-0073 (2015)
   Scopus: `2-s2.0-84931301403`
   URL: http://ceur-ws.org/Vol-1363/

1. Matthew Horridge, **Marco Rospocher**, and Jacco van Ossenbruggen. Proceedings of the ISWC 2014 Posters & Demonstrations Track. Vol. 1272 of *CEUR Proceedings.* CEUR-WS.org. ISSN: 1613-0073 (2014)
Scopus: `2-s2.0-84921889682`
URL: http://ceur-ws.org/Vol-1272/

## 2.5 Presentations

### 2.5.1 Invited Talks / Seminars

- Joint Posterior Revision of NLP Entity Annotations via Ontological Knowledge
  NLP seminar series at Dublin City University / ADAPT Centre - Dublin, Ireland
  Feb 13, 2023
  Slides: https://marcorospocher.com/files/slides/2023adapt_slides.pdf

- Knowledge representation and reasoning with ontologies
  Commonsense Reasoning in Surgical Robotics (COSER) summer school - Verona, Italy
  May 3, 2022
  Slides: https://marcorospocher.com/files/slides/2022coser_slides.pdf

- Joint Posterior Revision of NLP Entity Annotations via Ontological Knowledge
  Montreal Natural Language Processing Consortium (MTL-NLP) - Montreal, Canada
  Jan 22, 2021
  Slides: https://marcorospocher.com/files/slides/2021mtl_slides.pdf
  Video: https://www.youtube.com/watch?t=274&v=L8rn6nt7mNE

- Modelling, learning and populating ontologies for the Semantic Web
  Department of Computer Science, University of Verona - Verona, Italy
  Dec 4, 2019
  Slides: https://marcorospocher.com/files/slides/2019DIuniVR_slides.pdf

- Improving NLP Entity Annotations via Ontological Knowledge
  SCC Seminar Series (FBK) - Trento, Italy
  Nov 15, 2018
  Slides: https://marcorospocher.com/files/slides/2018scc_slides.pdf

- Learning Expressive Ontological Concept Descriptions via Neural Networks
  Invited Keynote at the 4th Workshop on Semantic Deep Learning SemDeep-4 - Monterey, California, US
  Oct 4, 2018
  Slides: https://marcorospocher.com/files/slides/2018semdeep4_slides.pdf

- KnowledgeStore
  NewsReader Workshop - Amsterdam Public Library, Amsterdam, Netherlands
  Nov 21, 2015
  Slides: https://marcorospocher.com/files/slides/2015nwr_slides.pdf

- An Ontological Framework for Decision Support
  Ontology Summit Track C session on Decision Making in Different Domains - Virtual Meeting
  Mar 19, 2015
  Slides: https://marcorospocher.com/files/slides/2015ontosum_slides.pdf

- Dati e Ricerca
  Beni comuni digitali: una risorsa per il territorio, le istituzioni e i cittadini di oggi e domani -

Riva del Garda, Italy
Mar 18, 2015
Slides: https://marcorospocher.com/files/slides/2015dati_slides.pdf

- KnowledgeStore
  Workshop on Deep and Large-Scale Semantic Processing: The Way Ahead - Trento, Italy
  Mar 10, 2015
  Slides: https://marcorospocher.com/files/slides/2015jpn_slides.pdf

- Semantic Management in PESCaDO
  PESCaDO Final Event - UPF, Barcelona, Spain
  Feb 14, 2012
  Slides: https://marcorospocher.com/files/slides/2012pescado_slides.pdf

- Collaborative modeling of processes and ontologies
  BMIR Research Colloquium - Stanford University, Palo Alto, US
  Sep 22, 2011
  Slides: https://marcorospocher.com/files/slides/2011bmir_slides.pdf

- Collaborative modeling of processes and ontologies
  DERI Open Day - Digital Enterprise Research Institute, Galway, Ireland
  Apr 7, 2011
  Slides: https://marcorospocher.com/files/slides/2011deri_slides.pdf

- MoKi and the ProDe project
  ICT Days - University of Trento, Trento, Italy
  Mar 16, 2011
  Slides: https://marcorospocher.com/files/slides/2011ict_slides.pdf

- MoKi: the Modelling Wiki
  ILIKS Annual Meeting - Trento, Italy
  Dec 18, 2009
  Slides: https://marcorospocher.com/files/slides/2009iliks_slides.pdf

- Organic Agricolture and MoKi
  Organic.Edunet Ontology Workshop Meeting - FAO, Rome, Italy
  Oct 6, 2009

- Modelling in APOSDLE
  ACTIVE EU Project Meeting - STI, Innsbruck, Austria
  Jan 27, 2009
  Slides: https://marcorospocher.com/files/slides/2009active_slides.pdf

- On the Computational Complexity of Listing Certificates of NP problems
  ITC Seminars - Istituto Trentino di Cultura, Trento, Italy
  Oct 18, 2006
  Slides: https://marcorospocher.com/files/slides/2006itc_slides.pdf

### 2.5.2 Conference Talks

- La Traduzione di Schede Terminologiche in Banche Dati di Tipo Rete Lessicale: il caso DIACOM-Fr
  XXXI Convegno Associazione Italiana per la Terminologia - Verona, Italy
  Dec 10, 2021

- Ontologie e locuzioni: modellizzazione di termini complessi nell'ambito del progetto DIACOM
  XXX Convegno Associazione Italiana per la Terminologia - Bolzano, Italia
  Oct 15, 2020 - Oct 16, 2020

- An Ontology-Driven Probabilistic Soft Logic Approach to Improve NLP Entity Annotations
  17th International Semantic Web Conference, ISWC 2018 - Monterey, CA, USA
  Oct 8, 2018 - Oct 12, 2018
  Slides: https://marcorospocher.com/files/slides/2018iswc_research_slides.pdf
  Video: http://videolectures.net/iswc2018_rospocher_ontology_driven_soft/

- Joint Posterior Revision of NLP Annotations via Ontological Knowledge
  27th International Joint Conference on Artificial Intelligence and the 23rd European Conference
  on Artificial Intelligence, IJCAI-ECAI 2018 - Stockholm, Sweden
  Jul 13, 2018 - Jul 19, 2018
  Slides: https://marcorospocher.com/files/slides/2018ijcai_slides.pdf

- Knowledge Extraction for Information Retrieval
  12th Extended Semantic Web Conference, ESWC 2016 - Heraklion, Crete, Greece
  May 29, 2016 - Jun 2, 2016
  Slides: https://marcorospocher.com/files/slides/2016eswc_slides.pdf
  Video: http://videolectures.net/eswc2016_rospocher_information_retrieval/

- Processing Billions of RDF Triples on a Single Machine using Streaming and Sorting
  30th Annual ACM Symposium on Applied Computing, ACM-SAC2015 - Salamanca, Spain
  Apr 13, 2015 - Apr 17, 2015
  Slides: https://marcorospocher.com/files/slides/2015sac_slides.pdf

- On the Collaborative Development of Application Ontologies: A Practical Case Study with a
  SME
  19th International Conference on Knowledge Engineering and Knowledge Management, EKAW
  2014 - Linkoping, Sweden
  Nov 24, 2014 - Nov 28, 2014
  Slides: https://marcorospocher.com/files/slides/2014ksem_slides.pdf

- Investigating Collaboration Dynamics in Different Ontology Development Environments
  7th International Conference on Knowledge Science, Engineering and Management, KSEM 2014
  - Sibiu, Romania
  Oct 16, 2014 - Oct 18, 2014
  Slides: https://marcorospocher.com/files/slides/2014ksem_slides.pdf

- An ontology for the Business Process Modelling Notation
  8th International Conference on Formal Ontologies and Information Systems, FOIS2014 - Rio
  de Janeiro, Brazil
  Sep 22, 2014 - Sep 25, 2014
  Slides: https://marcorospocher.com/files/slides/2014foisbpmn_slides.pdf

- An ontology for personalized environmental decision support
  8th International Conference on Formal Ontologies and Information Systems, FOIS2014 - Rio
  de Janeiro, Brazil
  Sep 22, 2014 - Sep 25, 2014
  Slides: https://marcorospocher.com/files/slides/2014foispescado_slides.pdf

- Interlinking Unstructured and Structured Knowledge in an Integrated Framework
  7th IEEE International Conference on Semantic Computing, ICSC2013 - Irvine, CA, USA

Sep 16, 2013 - Sep 18, 2013
Slides: https://marcorospocher.com/files/slides/2013icsc_slides.pdf

- An Ontological Framework for Decision Support
  2nd Joint International Semantic Technology Conference, JIST2012 - Nara, Japan
  Dec 2, 2012 - Dec 4, 2012
  Slides: https://marcorospocher.com/files/slides/2012jist_slides.pdf

- Evaluating wiki-enhanced ontology authoring
  18th International Conference on Knowledge Engineering and Knowledge Management, EKAW2012
  - Galway, Ireland
  Oct 8, 2012 - Oct 12, 2012
  Slides: https://marcorospocher.com/files/slides/2012ekaw_slides.pdf
  Video: https://www.youtube.com/watch?v=zOTY8j-w4j4

- Conceptual Modeling in Wikis: a Reference Architecture and a Tool
  The Fourth International Conference on Information, Process, and Knowledge Management,
  eKNOW2012 - Valencia, Spain
  Jan 30, 2012 - Feb 4, 2012
  Slides: https://marcorospocher.com/files/slides/2012eknow_slides.pdf

- Boosting collaborative ontology building with key-concept extraction
  5th IEEE International Conference on Semantic Computing, ICSC2011 - Palo Alto, CA, USA
  Sep 18, 2011 - Sep 21, 2011
  Slides: https://marcorospocher.com/files/slides/2011icsc_slides.pdf

- Reasoning on Semantically Annotated Processes
  6th International Conference on Service-Oriented Computing, ICSOC2008 - Sydney, Australia
  Dec 1, 2008 - Dec 5, 2008
  Slides: https://marcorospocher.com/files/slides/2008icsoc_slides.pdf

- Collaborative Knowledge Engineering via Semantic MediaWiki
  International Conference on Semantic Systems, I-SEMANTICS08 - Graz University of Technology, Graz, Austria
  Sep 3, 2008 - Sep 5, 2008
  Slides: https://marcorospocher.com/files/slides/2008isemantics_slides.pdf

### 2.5.3 Workshop Talks

- A Simple API to the KnowledgeStore
  Developers Workshop at the 13th Int. Semantic Web Conference (ISWC'14) - Riva del Garda,
  Italy
  Oct 19, 2014
  Slides: https://marcorospocher.com/files/slides/2014iswcSemDev02_slides.pdf

- MoKi: the Modelling wiKi
  SemWiki2009 - Fourth Workshop on Semantic Wikis - Heraklion, Crete, Greece
  Jun 1, 2009
  Slides: https://marcorospocher.com/files/slides/2009semwiki_slides.pdf

### 2.5.4 Demo and Poster Presentations

- Towards Integration of Ontology and Text-extracted Data for Event Coreference Reasoning
  32nd Annual ACM Symposium on Applied Computing, ACM-SAC2017 - Marrakesh, Morocco

Apr 3, 2017 - Apr 7, 2017
Poster: https://marcorospocher.com/files/posters/2017sac_poster.pdf

- Demonstrating the Power of Streaming and Sorting for Non-distributed RDF Processing: RDF-pro
  ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA
  Oct 11, 2015 - Oct 15, 2015
  Poster: https://marcorospocher.com/files/posters/2015iswcdemo2_poster.pdf

- Extracting Knowledge from Text with PIKES
  ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA
  Oct 11, 2015 - Oct 15, 2015
  Poster: https://marcorospocher.com/files/posters/2015iswcdemo1_poster.pdf

- Integrating Unstructured and Structured Knowledge with the KnowledgeStore
  19th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2014 - Linköping, Sweden
  Nov 24, 2014 - Nov 28, 2014
  Poster: https://marcorospocher.com/files/posters/2014ekawdemo_poster.pdf

- Key-concept Extraction for Ontology Engineering
  18th International Conference on Knowledge Engineering and Knowledge Management, EKAW 2012 - Galway, Ireland
  Oct 8, 2012 - Oct 12, 2012
  Poster: https://marcorospocher.com/files/posters/2012ekawdemo_poster.pdf

- MoKi: a Wiki-Based Conceptual Modeling Tool
  EKAW2010 Poster and Demo Track - Lisbona, Portugal
  Oct 11, 2010 - Oct 15, 2010
  Poster: https://marcorospocher.com/files/posters/2010ekawdemo_2_poster.pdf

- MoKi: The Enterprise Modelling Wiki
  6th European Semantic Web Conference, ESWC 2009 - Heraklion, Crete, Greece
  May 31, 2009 - Jun 4, 2009
  Poster: https://marcorospocher.com/files/posters/2009eswcdemo_poster.pdf

- Collaborative Knowledge Engineering via Semantic MediaWiki
  16th International Conference on Knowledge Engineering and Knowledge Management Knowledge Patterns, EKAW2008 - Aci Trezza, Italy
  Sep 29, 2008 - Oct 3, 2008
  Poster: https://marcorospocher.com/files/posters/2008ekaw_poster.pdf

## 2.6 Abroad Research Stays

- Visiting Scholar at the Musen Lab, Stanford Center for Biomedical Informatics Research, Stanford University
  Sep 1, 2013 - Dec 31, 2013
  Host: Dr. Tania Tudorache, Prof. Dr. Md. Mark Musen
  Research Topic: Investigation of collaboration dynamics in different ontology development environments

- Visiting Research Associate at the School of Electrical Engineering and Computer Science, University of Newcastle, NSW, Australia
  Jan 15, 2005 - Apr 15, 2005

Host: Prof. Pablo Moscato
Research Topic: Development of combinatorial optimization algorithms for computational biology

## 2.7 Research Projects

### 2.7.1 Acquisitions of Research Projects

I've contributed to the successful acquisition of the following projects:

- Inclusive Humanities (MUR Dipartimenti di Eccellenza)
  Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere
  Jan 1, 2023 - Dec 31, 2027
  For: Università degli Studi di Verona
  Funding: 6,566,335 Euro

- NewsReader (EU FP7 Strep Project, Grant 316404)
  Building structured event indexes of large volumes of financial and economic data for decision making
  Jan 1, 2013 - Dec 31, 2015
  For: Fondazione Bruno Kessler (FBK)
  Funding: 745,000 Euro

- ePlanning (Progetto Di Ricerca Applicata, Finanziato dalla Provincia di Trento ai sensi della L.P. 13.12.1999, n. 6, art. 5)
  Sistema esperto per la creazione di progetti educativo-didattici per alunni con Bisogni Educativi Speciali
  Jan 1, 2012 - Dec 31, 2013
  For: Fondazione Bruno Kessler (FBK)
  Funding: 114,000 Euro

- Organic.Lingua (EU FP7 ICP Project, Grant 270999)
  Demonstrating the potential of a multilingual Web portal for Sustainable Agricultural \& Environmental Education
  Mar 1, 2011 - Feb 28, 2014
  For: Fondazione Bruno Kessler (FBK)
  Funding: 225,000 Euro

### 2.7.2 Coordination and Participations in Research Projects

- Inclusive Humanities (MUR Dipartimenti di Eccellenza)
  Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere
  Jan 1, 2023 - Dec 31, 2027
  For: Università degli Studi di Verona
  Role: Team Leader of Infrastructures, Director of DAIH center, Coordination of the research actitivies on Computer Science and Inclusion

- NexusLinguarum (COST Action, CA18209)
  European network for Web-centred linguistic data science
  Jan 1, 2019 - Dec 31, 2023
  Web-site: https://nexuslinguarum.eu/
  Role: Member of Working Groups WG1 & WG2

- Le Digital Humanities applicate alle lingue e letterature straniere (MIUR Dipartimenti di Eccellenza)
  Jan 1, 2018 - Dec 31, 2022
  Web-site: https://dh.dlls.univr.it/
  For: Università degli Studi di Verona
  Role: Team Leader of Infrastructures (Spazi e Piattaforme Digitali)

- NewsReader (EU FP7 Strep Project, Grant 316404)
  Building structured event indexes of large volumes of financial and economic data for decision making
  Jan 1, 2013 - Dec 31, 2015
  Web-site: https://cordis.europa.eu/project/rcn/106026__en.html
  For: Fondazione Bruno Kessler (FBK)
  Role: Project Leader for FBK (FBK personnel involved: 13); Work Package 6 Leader; full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit; principal investigator of the research and development activities on the KnowledgeStore

- ePlanning (Progetto Di Ricerca Applicata, Finanziato dalla Provincia di Trento ai sensi della L.P. 13.12.1999, n. 6, art. 5)
  Sistema esperto per la creazione di progetti educativo-didattici per alunni con Bisogni Educativi Speciali
  Jan 1, 2012 - Dec 31, 2013
  For: Fondazione Bruno Kessler (FBK)
  Role: Project Leader for FBK (FBK personnel involved: 6); full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit

- PESCaDO (EU FP7 Strep Project, Grant 248594)
  Personalized Environmental Service Configuration and Delivery Orchestration
  Jan 1, 2010 - Dec 31, 2012
  Web-site: https://cordis.europa.eu/project/rcn/93834__en.html
  For: Fondazione Bruno Kessler (FBK)
  Role: Project Leader for FBK (FBK personnel involved: 5); Work Package 5 Leader; full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit; principal investigator of the research and development activities on semantic technologies (ontology and reasoning)

- APOSDLE (EU FP6 IP Project, Grant 027023)
  Advanced process-oriented self-directed learning environment
  Mar 1, 2006 - Feb 28, 2010
  Web-site: https://cordis.europa.eu/project/rcn/80574__en.html
  For: Fondazione Bruno Kessler (FBK)
  Role: Task-level coordination activities; Participation to the research and development activities

## 2.8 Resources

### 2.8.1 Tools

- Explicit Lyrics Detectors
  A suite of classifiers (e.g., Logistic Regression, FastText, 1D-CNN, BERT) to automatically assess whether the lyrics of songs contain explicit content. Besides the Python code for training and evaluating the classifiers, pre-trained, ready-to-use models are made available, both for

English and Italian
Web-site: https://github.com/rospocher/explicit-lyrics-detection/

- PSL4EA: Probabilistic Soft Logic for Entity Annotation
  An ontological knowledge powered approach based on Probabilistic Soft Logic for jointly revising multiple NLP entity annotations
  Web-site: https://pikes.fbk.eu/psl4ea.html
  Video: http://videolectures.net/iswc2018_rospocher_ontology_driven_soft/

- JPARK: Joint Posterior Revision of NLP Annotations via Ontological Knowledge
  A probabilistic model leveraging ontological knowledge for improving the coherence and revise NLP entity annotations
  Web-site: https://pikes.fbk.eu/jpark.html

- KE4IR: Knowledge Extraction for Information Retrieval
  An approach that improves the performances of the traditional term-based similarity solution for document retrieval by performing a semantic analysis and enrichment (via PIKES) of the query and the documents
  Web-site: https://pikes.fbk.eu/ke4ir.html
  Video: http://videolectures.net/eswc2016_rospocher_information_retrieval/

- PIKES: A Suite for Extracting Knowledge from Text
  A framework for extracting knowledge graphs from natural language text
  Web-site: https://pikes.fbk.eu/
  Video: https://www.youtube.com/embed/D0mcnUKc3sg

- KnowledgeStore: Scalable storage for text and RDF data
  A scalable, fault-tolerant, and Semantic Web grounded storage system to jointly store, manage, retrieve, and semantically query, both structured and unstructured content
  Web-site: https://knowledgestore.fbk.eu
  Video: https://www.youtube.com/embed/YVOQaljLta4

- RDFpro: An Extensible Tool for Building Stream-Oriented RDF Processing Pipelines
  A public domain, Java command line tool and library for RDF processing
  Web-site: https://rdfpro.fbk.eu
  Video: https://www.youtube.com/embed/Vd2FCVRL8fk

- MoKi: The modelling wiki
  A collaborative tool that supports the creation of articulated enterprise models (ontologies and business processes) through structured wiki pages

- TeX-OWL: A Latex-Style Syntax for authoring OWL 2 ontologies
  A new latex-style syntax that can be used to write OWL 2 ontologies
  Web-site: https://github.com/dkmfbk/TexOwl

### 2.8.2 Ontologies

- PreMOn: Predicate Model for Ontologies
  A linguistic Linked Data resource representing predicate models such as PropBank, NomBank, VerbNet and FrameNet
  Web-site: https://premon.fbk.eu/

- The Event and Situation Ontology (ESO)
  A resource which formalizes the pre and post conditions of events and the roles of the entities

affected by an event
Web-site: https://github.com/newsreader/eso/

- The PESCaDO Ontology
  A modular OWL ontology capable of representing all the content processed and produced by a system providing user-tailored environmental decision support
  Web-site: https://marcorospocher.com/backup-resources/pescado/

- The BPMN Ontology
  A formalization in OWL-DL of the structural components of the Business Process Modelling Notation (BPMN), based on the OMG BPMN specifications Version 1.1 [January 2008]
  Web-site: https://marcorospocher.com/backup-resources/bpmn/

### 2.8.3  Language Models

- SurgicBERTa
  A pre-trained language model specific for the English surgical language, i.e., the language used in the surgical domain. SurgicBERTa has been obtained from RoBERTa through continued pre-training with the Masked-Language-Modeling objective on 300k sentences taken from English surgical books and papers, for a total of 7 million words. To the best of our knowledge, SurgicBERTa is the first pre-trained language model made available for the surgical domain
  Web-site: https://huggingface.co/marcobombieri/surgicberta

### 2.8.4  Linguistic Resources

- Robotic Surgery Propositional Bank (RSPB)
  The Robotic-Surgery Propositional Bank is the first robotic-surgery procedural corpus, annotated with PropBank-style semantic labels. Starting from the original PropBank framebank, we enriched it by adding new lemmas, frames and semantic roles required to cover missing information in general English but needed in procedural surgical language, releasing the Robotic-Surgery Procedural Framebank (RSPF). We then collected from robotic-surgery textbooks as-is sentences for a total of 32,448 tokens, and we annotated them with RSPF labels. We so obtained and publicly released the first annotated corpus of the robotic-surgical domain that can be used to foster further research on language understanding and procedural entities and relations extraction from clinical and surgical scientific literature
  Web-site: https://gitlab.com/altairLab/robotic-surgery-propositional-bank/

### 2.8.5  Datasets

- Explicit lyrics datasets
  Two annotated datasets, one for English lyrics (807K songs) and one for Italian lyrics (37K songs), built starting from Spotify and LyricWiki content, to support the training and evaluation of automatic tools for detecting explicit song lyrics, i.e., lyrics whose content is unsuitable for children. An additional dataset (4K songs) is manually annotated with fine-grained explicitness information, i.e., why the song lyrics are marked as explicit (e.g., strong language, sexual reference)
  Web-site: https://github.com/rospocher/explicit-lyrics-detection/

- Surgical Procedural Knowledge Sentences (SPKS)
  SPKS is a textual dataset for the surgical robotic field consisting of 1958 sentences (37022 words and 3999 unique words) manually annotated as procedural and non-procedural by an expert

annotator
Web-site: https://gitlab.com/altairLab/spks-dataset/

- Visual-Textual-Knowledge Entity Linking (VTKEL)
VTKEL, derived from Flickr30k-Entities dataset, consists of documents composed of a picture and five corresponding descriptions captioning it. Visual and textual mentions of each picture and captions are annotated and aligned to entities typed with classes from YAGO
Web-site: https://doi.org/10.6084/m9.figshare.7882781.v6

- Annotated dataset to assess the accuracy of the textual description of cultural heritage records
The dataset contains more than 100K textual descriptions of cultural items from Cultura Italia, the Italian National Cultural aggregator. Each of the description is labeled either HIGH or LOW quality, according its adherence to the standard cataloguing guidelines provided by Istituto Centrale per il Catalogo e la Documentazione (ICCD)
Web-site: https://doi.org/10.6084/m9.figshare.13359104.v1

## 2.9 Professional Services

### 2.9.1 Journal Editorial Boards

- Member of the Editorial Board of Information Processing & Management (Elsevier Journal)
since: Mar 2, 2020
https://www.journals.elsevier.com/information-processing-and-management/editorial-board

- Guest Co-editor of the Special Issue "Knowledge and Language Processing" of Information Processing & Management (Elsevier Journal)
The selected articles are published in Volume 57, Issue 6, November 2020 of the journal
https://www.sciencedirect.com/journal/information-processing-and-management/vol/57/issue/6

- Guest Co-editor of the Special Issue "Applied Cognitive Computing: Challenges, Approaches, and Real-World Experiences" of Progress In Artificial Intelligence (Springer Journal)
The selected articles are published in Volume 7, issue 4, December 2018 of the journal
https://link.springer.com/journal/13748/volumes-and-issues/7-4

### 2.9.2 Journal Reviewing

- ACM Transactions on Intelligent Systems and Technology (ACM TIST)
Web-site: https://dl.acm.org/journal/tist

- Applied Ontology (AO)
Web-site: https://www.iospress.com/catalog/journals/applied-ontology

- Artificial Intelligence (AIJ)
Web-site: https://www.sciencedirect.com/journal/artificial-intelligence

- IEEE Internet Computing (IEEE IC)
Web-site: https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4236

- Information Processing & Management (IP&M)
Web-site: https://www.sciencedirect.com/journal/information-processing-and-management

- Information Systems (IS)
Web-site: https://www.sciencedirect.com/journal/information-systems

- International Journal of Semantic Computing (IJSC)
Web-site: https://www.worldscientific.com/worldscinet/ijsc

- International Journal of Software Engineering and Knowledge Engineering (IJSEKE)
  Web-site: https://www.worldscientific.com/worldscinet/ijseke
- Journal of Data Semantics (JDS)
  Web-site: https://link.springer.com/journal/13740/volumes-and-issues
- Journal of Information Science (JIS)
  Web-site: https://journals.sagepub.com/home/jis
- Journal of Web Semantics (JWS)
  Web-site: https://www.sciencedirect.com/journal/journal-of-web-semantics
- Natural Language Engineering (NLE)
  Web-site: https://www.cambridge.org/core/journals/natural-language-engineering
- PeerJ Computer Science
  Web-site: https://peerj.com/computer-science/
- Semantic Web Journal (SWJ)
  Web-site: https://www.semantic-web-journal.net/
- Umanistica Digitale (UD)
  Web-site: https://umanisticadigitale.unibo.it/

### 2.9.3 Conference / Workshop Organization

- Co-chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 38th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2023)
  Mar 27, 2023 - Mar 31, 2023
  Tallinn, Estonia
  https://klp.fbk.eu
- Co-chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 37th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2022)
  Apr 25, 2022 - Apr 29, 2022
  Brno, Czech Republic
  https://doi.org/10.1145/3535434
- Co-chair of the special track on Knowledge and Language Processing (KLP) at the 36th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2021)
  Mar 22, 2021 - Mar 26, 2021
  Gwangju, South Korea / Virtual
  https://doi.org/10.1145/3462420
- Co-chair of the special track on Knowledge and Language Processing (KLP) at the 35th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2020)
  Mar 30, 2020 - Apr 3, 2020
  Brno, Czech Republic / Virtual
  https://doi.org/10.1145/3389659
- Co-chair of the special track on Knowledge and Language Processing (KLP) at the 34th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2019)
  Apr 8, 2019 - Apr 12, 2019
  Limassol, Cyprus
  https://doi.org/10.1145/3329375

- Co-chair of Doctoral Consortium of the 17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018)
  Nov 20, 2018 - Nov 23, 2018
  Trento, Italy
  https://ceur-ws.org/Vol-2249/

- Co-chair of the special track on Cognitive Computing (CoCo) at the 33rd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2018)
  Apr 9, 2018 - Apr 13, 2018
  Pau, France
  https://doi.org/10.1145/3258634

- Co-chair of the special track on Cognitive Computing (CoCo) at the 32nd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2017)
  Mar 27, 2017 - Mar 31, 2017
  Marrakech, Morocco
  https://doi.org/10.1145/3243944

- Co-chair of the 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015), co-located with ESWC2015
  May 31, 2015 - May 31, 2015
  Portoroz, Slovenia
  https://ceur-ws.org/Vol-1363/

- Co-Chair of the Posters and Demos track of the 13th International Semantic Web Conference (ISWC2014)
  Oct 19, 2014 - Oct 23, 2014
  Riva del Garda, Italy
  https://ceur-ws.org/Vol-1272/

### 2.9.4 Conference / Workshop Program Committees

- International Joint Conference on Artificial Intelligence (IJCAI): 2018, 2019, 2020

- AAAI Conference on Artificial Intelligence (AAAI): 2018, 2019, 2020, 2021, 2023

- The Web Conference (WWW) [formerly: International World Wide Web Conference]

  - Semantics and Knowledge (Research Track): 2019, 2020
  - Web Content Analysis, Semantics, and Knowledge (Research Track): 2018
  - Posters Track: 2016

- International Semantic Web Conference (ISWC)

  - Research Track: 2014, 2015, 2016, 2017, 2018, 2019 (SPC), 2020, 2021, 2022, 2023
  - Resource Track: 2017, 2020
  - InUse & Software Track: 2015
  - InUse Track: 2012, 2013, 2014
  - Doctoral Consortium: 2019
  - Journal Track: 2019
  - Posters and Demos Track: 2009, 2014, 2015

- Annual Meeting of the Association for Computational Linguistics (ACL)

- – Resources and Evaluation Track: 2019

- European Conference on Artificial Intelligence (ECAI): 2020

- Information Processing & Management Conference (IP&MC): 2022

- International Conference on Knowledge Engineering and Knowledge Management (EKAW)

  - – Research Track: 2012, 2014, 2016, 2018
  - – PhD Symposium (+ Mentoring): 2012, 2014

- Joint Conference on Lexical and Computational Semantics (*SEM)

  - – Lexical resources, linked data, ontologies Track: 2017

- European/Extended Semantic Web Conference (ESWC)

  - – Main PC: 2017
  - – Ontology Track: 2012
  - – PhD Mentor: 2016
  - – Posters & Demos: 2010

- International Conference on Formal Ontology in Information Systems (FOIS)

  - – Early Career Symposium: 2014

- IEEE International Conference on Semantic Computing (IEEE-ICSC): 2012, 2013, 2014, 2015, 2016, 2017, 2018

- Language Resources and Evaluation Conference (LREC): 2016, 2018, 2020, 2022

- Conference on Language, Data and Knowledge (LDK): 2019, 2021, 2023

- International Conference of the Italian Association for Artificial Intelligence (AIxIA): 2023

- International Conference on Semantic Systems (I-SEMANTICS): 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

- International Conference on Ambient Systems, Networks and Technologies (ANT): 2023

- Italian Conference on Computational Linguistics (CLIC-it): 2021

- Convegno Annuale dell'Associazione per l'Informatica Umanistica e la Cultura Digitale (AIUCD): 2020

- PhD Conference - Past, History and Memory in Language and Literary Studies (University of Verona): 2022

- International Conference on Bio-inspired Information and Communications Technologies (BICT): 2014

- International Workshop on Sentiment Analysis \& Linguistic Linked Data (SALLD): 2021

- International Workshop on Multisensory Data \& Knowledge (MDK): 2021

- International Workshop on Personalization in eGovernment Services and Applications (PEGOV): 2013, 2014, 2015

- Joint OWL Experiences and Directions Workshop (OWLED) and OWL Reasoner Evaluation Workshop (ORE): 2016

- OWL: Experiences and Directions Workshop (OWLED): 2015
- Open Knowledge Base and Question Answering Workshop (OKBQA): 2016
- International Workshop on Ontology Content (OnToContent): 2012, 2013, 2014, 2015
- Workshop on the Contextual Representation of Objects and Events in Language (CREOL): 2017
- International Conference on Building and Exploring Web Based Environments (WEB): 2014, 2015, 2016
- International Conference on Advances in Semantic Processing (SEMAPRO): 2013, 2014, 2015, 2016
- Workshop on Natural Language for Artificial Intelligence (NL4AI): 2017
- International Workshop on Environmental Multimedia Retrieval: 2014, 2015
- Workshop on Semantic Web and Information Extraction (SWAIE): 2013, 2014
- International Symposium on Intelligent Informatics (ISI): 2013
- International Workshop on Vocabularies, Ontologies and Rules for the Enterprise and Beyond (VORTE): 2013
- International Conference on Artificial Intelligence, Methodology, Systems, Applications (AIMSA): 2012
- International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS): 2012
- Workshop on Context, Information And Ontologies (CIAO): 2010

## 2.10   Scientific Consulting & Collaborations as expert

- Scientific consulting for the "Compagnia di San Paolo" on the Artificial Intelligence in Digital Humanities topic
- Project proposal reviewing for the "Netherlands Organisation for Scientific Research" (NWO)

# 3   Teaching Activities

## 3.1   Membership of Ph.D. Programme/School Committees

- Teaching Committee for the PhD Programme in Computer Science (University of Verona)
  since: Apr 1, 2023
  PhD Cycles: 39
- Teaching Committee for the PhD Programme in Foreign Languages and Literatures (University of Verona)
  Oct 1, 2021 - Mar 31, 2023
  PhD Cycles: 37, 38
- Teaching Committee for the PhD Programme in Foreign Languages, Literatures and Linguistics (University of Verona)
  Mar 15, 2019 - Sep 30, 2021
  PhD Cycles: 35, 36

## 3.2 Membership of Ph.D. Examination Committees

- Matteo Lorenzini
Metadata Quality Evaluation in Cultural Heritage Domain
ICT School, University of Trento
Feb 15, 2022

- Yaroslav Nechaev
Linking Knowledge Bases to Social Media Profiles
ICT School, University of Trento
Apr 15, 2019

## 3.3 Supervision of Ph.D. Theses

- Marco Bombieri
Automatic extraction of robotic surgery actions from text and kinematic data
University of Verona
since: Oct 1, 2019
(with Paolo Fiorini)

- Roxane Segers
Formalizing Events for Detecting Implicit Event Information in Natural Language Text
Vrije Universiteit Amsterdam
since: May 8, 2018
(with Piek Vossen)

- Antonio Arnieri
Sound and Identity in Shakespeare's Theatre
University of Verona
Jan 1, 2019 - Jul 15, 2022
(with Susanna Zinato)

- Matteo Lorenzini
Metadata Quality Evaluation in Cultural Heritage Domain
University of Trento
Nov 1, 2017 - Feb 15, 2022
(with Sara Tonelli)

- Giulio Petrucci
Learning to Learn Concept Descriptions
University of Trento
Nov 1, 2013 - Sep 21, 2018
(with Chiara Ghidini)

- Francesco Corcoglioniti
Frame-based Ontology Population from Text: Models, Systems and Applications
University of Trento
Nov 1, 2012 - Apr 21, 2016
(with Luciano Serafini)

## 3.4 Supervision of Master's / Bachelor's Degree Theses

- Master's degree in Computer Science, University of Trento:
Rakebul Hasan (2009), Nahid E Mahbub (2009), Md Kamrul Hasan (2009), Musawar Saeed

(2009), Matteo Matassoni (2014)

- LCT European Masters Program, University of Trento:
  Yiqing Liang (2017)

- Master's degree in Linguistics, University of Verona:
  Samaneh Eksir (2023)

- Master's degree in Languages for Communication in Tourism and Commerce, University of Verona:
  Beatrice Giacomazzi (2019), Francesca Tosato (2019), Silvia Cavazza Ceccato (2020), Michela Pecora (2020), Gaia Tacchini (2020), Irina Casian (2020), Erica Fattori (2020), Elisa Benedetti (2021)

- Bachelor's degree in Computer Science, University of Trento:
  Marco Spanò (2018)

- Bachelor's degree in Languages and Cultures for Publishing, University of Verona:
  Arianna Zanrossi (2020), Federica Pampalone (2020), Francesca Tirapelle (2020), Isabella Jaforte (2021), Martina Zanetti (2021), Ester Marchi (2021), Beatrice Vanoli (2021), Chiara Lazzari (2022), Daniela Xhupi (2022), Clarita Ferri (2022)

- Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona:
  Rebecca Guolo (2022), Amedeo Onnis (2022)

- Bachelor's degree in Languages and Cultures for Tourism and International Commerce:
  Francesca Laganà (2020), Lukasz Kolasowski (2020), Sara Turrini (2021)

## 3.5 Supervision of Stages / Internship

- post-Master Research Internships (FBK, Trento):
  Gianluca Maguolo (2018)

- LCT European Masters Program, University of Trento:
  Yiqing Liang (2017)

- Master's degree in Computer Science, University of Trento:
  Nahid E Mahbub (2009), Md Kamrul Hasan (2009)

- Bachelor's degree in Computer Science, University of Trento:
  Gianluca Apriceno (2015), Enrico Magnago (2015), Alessio Scussel (2016)

- Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona:
  Jasmine Touarsa (2021), Marta Cafà (2021)

## 3.6 Institutional teaching appointments

- Programme Director of the Bachelor's degree in Languages and Literatures for Publishing and Digital Media
  Oct 1, 2021 - Sep 30, 2022

## 3.7 Lectureship

- Academic Year 2022-2023:

- – Introduction to Digital Humanities
  Hours: 36, CFU: 6, SSD: INF/01
  Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
- – Programming Languages for the Humanities
  Hours: 36, CFU: 6, SSD: INF/01
  Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
- – Databases and Information Systems for the Humanities
  Hours: 36, CFU: 6, SSD: INF/01
  Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
- – Electronic commerce
  Hours: 36, CFU: 6, SSD: INF/01
  Master's degree in Languages for Communication in Tourism and Commerce, University of Verona, Italy
- – Python programming language
  Hours: 16, CFU: 4
  Ph.D. School, University of Verona, Italy

- Academic Year 2021-2022:

  - – Introduction to Digital Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
  - – Programming Languages for the Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
  - – Databases and Information Systems for the Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
  - – Crash course on Python programming for the Humanities
    Hours: 12, CFU: 3
    Ph.D. programme in Foreign Languages and Literatures + Ph.D. programme in Linguistics, University of Verona, Italy

- Academic Year 2020-2021:

  - – Introduction to Digital Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
  - – Programming Languages for the Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- – Digital Humanities
  Hours: 36, CFU: 6, SSD: INF/01
  Bachelor's degree in Languages and Cultures for Publishing, University of Verona, Italy
- – Natural Language Processing for analyzing written textual resources
  Hours: 4, CFU: 1
  Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy
- – Semantic Web and Linked Data technologies for the humanities
  Hours: 4, CFU: 1
  Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy
- – Working with Textual Files: Encodings and Regular Expressions
  Hours: 4, CFU: 1
  Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

- Academic Year 2019-2020:

  - – Introduction to Digital Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy
  - – Digital Humanities
    Hours: 36, CFU: 6, SSD: INF/01
    Bachelor's degree in Languages and Cultures for Publishing, University of Verona, Italy
  - – Electronic commerce
    Hours: 36, CFU: 6, SSD: INF/01
    Master's degree in Languages for Communication in Tourism and Commerce, University of Verona, Italy
  - – A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research
    Hours: 12, CFU: 3
    Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy
  - – The eXtensible Markup Language (XML) and the Textual Encoding Initiative (TEI): standards for text representation in the humanities
    Hours: 2, CFU: 0.5
    Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

- Academic Year 2018-2019:

  - – Electronic commerce (A-L)
    Hours: 36, CFU: 6, SSD: INF/01
    Master's degree in Languages for Communication in Tourism and Commerce, University of Verona, Italy
  - – Electronic commerce (M-Z)
    Hours: 36, CFU: 6, SSD: INF/01

Master's degree in Languages for Communication in Tourism and Commerce, University of Verona, Italy

– A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research
Hours: 12, CFU: 3
Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

- Other Lectureship Activities:

  – Language Resources and Ontologies (co-lecturer: Dr. Sara Tonelli) - Master Degree in Filosofia e linguaggi della modernità, University of Trento, Italy
  – Lectures for course Language Resources and Ontologies, Master in Human Language Technology and Interface, University of Trento (2010-2011, 2011-2012)
  – Lectures for the International Winter Camp on Language and Data/Knowledge, TrentoRise (2012)
  – Lectures for course Computational Linguistics, M.Sc. in Cognitive Science, University of Trento (2012)
  – Lectures for course Business Process Re-engineering, M.Sc. in Net Economics, University of Trento (2010, 2011)
  – Lectures for course Computational Complexity, M.Sc. in Computer Science, University of Trento (2004, 2005)