Curriculum Vitae

Marco Rospocher

Updated: December 17, 2025

Contents

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
- Address: Lungadige Porta Vittoria, 41 - I-37129 Verona - Italy
- Map: https://osm.org/go/0CrjXP4B9?layers=N&m=
- 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 as full professor in Italian Universities for sector 01/B1 (Informatica / Informatics)
  Dec 12, 2023
  https://asn21.cineca.it/pubblico/miur/esito-abilitato/01%252FB1/1/6

- National Scientific Qualification as full professor in Italian Universities for sector 09/H1 (Sistemi di Elaborazione Delle Informazioni / Information Processing Systems)
  Dec 17, 2023
  https://asn21.cineca.it/pubblico/miur/esito-abilitato/09%252FH1/1/6
- National Scientific Qualification 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 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 at the University of Verona, within the Department of Foreign Languages and Literatures
since: Dec 28, 2018

1.5 Past Positions

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 Ph.D. Scholarship

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

2 Research Activities

2.1 Research Interests

Artificial Intelligence, Language Models, Natural Language Processing, Information Extraction, Semantic Web, Knowledge Representation and Reasoning, Digital Humanities, Machine/Deep Learning,

Methodologies and Tools for Collaborative Knowledge Acquisition, Computational Complexity, Algorithmic Graph Theory, Combinatorial Optimization

2.2 Research Sectors (ERC)

- PE6_7 - Artificial intelligence, intelligent systems, natural language processing
- PE6_10 - Web and information systems, data management systems, information retrieval and digital libraries, data fusion

2.3 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.daih.eu
  since: Feb 15, 2023

2.4 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)
  Note: The conference is of class 3 and has rating B according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).
  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)
  Note: The conference is of class 3 and has rating B- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).
  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)
  Note: The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).
  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)
  Note: The conference is of class 1 and has rating A+ according to the GII-GRIN-SCIE (GGS)

Conference Rating (agg. 2021).
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)
  Note: The conference is of class 1 and has rating A++ according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).
  Info: https://www.ijcai-18.org/distinguished-members/

2.5 Publications

2.5.1 Bibliometrics Indicators

- Google Scholar

  - Citations: 2436
  - H-index: 25

- Scopus

  - Citations: 1368
  - H-index: 18

2.5.2 Journals

34. Marco Bombieri, Paolo Fiorini, Simone Paolo Ponzetto and **Marco Rospocher**. Do LLMs Dream of Ontologies?. *ACM Transactions on Intelligent Systems and Technology* (To appear)
    [doi:10.1145/3725852]

33. Marco Bombieri and **Marco Rospocher**. Mining Impersonification Bias in LLMs via Survey Filling. *Information*, vol. 16, no. 11. ISSN: 2078-2489 (2025)
    [doi:10.3390/info16110931]
    [scopus:2-s2.0-105022893001]

32. Marco Bombieri, Simone Paolo Ponzetto and **Marco Rospocher**. The Dangerous Effects of a Frustratingly Easy LLMs Jailbreak Attack. *IEEE Access*, vol. 13, pp. 126418–126431 (2025)
    [doi:10.1109/ACCESS.2025.3589112]
    [scopus:2-s2.0-105011159029]
    [wos:001534557100004]

31. Iftikhar Muhammad and **Marco Rospocher**. On Assessing the Performance of LLMs for Target-Level Sentiment Analysis in Financial News Headlines. *Algorithms*, vol. 18, no. 1. ISSN: 1999-4893 (2025)
    [doi:10.3390/a18010046]
    [scopus:2-s2.0-85216029670]
    [wos:001404010000001]

30. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto and Paolo Fiorini. The Robotic-Surgery Propositional Bank. *Language Resources and Evaluation*, vol. 58, no. 3, pp. 1043–1071 (2024)
    [doi:10.1007/s10579-023-09668-x]
    [scopus:2-s2.0-85163063471]
    [wos:001004074300001]

29. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto and Paolo Fiorini. SurgicBERTa: A pre-trained language model for procedural surgical language. *International Journal of Data Science and Analytics*, vol. 18, no. 1, pp. 69–81 (2024)
[doi:10.1007/s41060-023-00433-5]
[scopus:2-s2.0-85168115302]
[wos:001050945700001]

28. **Marco Rospocher**. Detecting explicit lyrics: a case study in Italian music. *Language Resources and Evaluation*, vol. 57, no. 2, pp. 849–867 (2023)
[doi:10.1007/s10579-022-09595-3]
[scopus:2-s2.0-85130242158]
[wos:000798410500001]

27. **Marco Rospocher** and Samaneh Eksir. Assessing Fine-Grained Explicitness of Song Lyrics. *Information*, vol. 14, no. 3. ISSN: 2078-2489 (2023)
[doi:10.3390/info14030159]
[scopus:2-s2.0-85151097162]
[wos:000955318200001]

26. 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, pp. 106415. ISSN: 0010-4825 (2023)
[doi:10.1016/j.compbiomed.2022.106415]
[scopus:2-s2.0-85144338000]
[wos:000900243500001]

25. Marco Bombieri, Daniele Meli, Diego Dall'Alba, **Marco Rospocher** and Paolo Fiorini. Mapping natural language procedures descriptions to linear temporal logic templates: an application in the surgical robotic domain. *Applied Intelligence*, vol. 53, no. 22, pp. 26351–26363. ISBN: 1573-7497 (2023)
[doi:10.1007/s10489-023-04882-0]
[scopus:2-s2.0-85168563884]
[wos:001052495200001]

24. **Marco Rospocher**. On exploiting transformers for detecting explicit song lyrics. *Entertainment Computing*, vol. 43, pp. 100508. ISSN: 1875-9521 (2022)
[doi:10.1016/j.entcom.2022.100508]
[scopus:2-s2.0-85132214046]
[wos:000822791600001]

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*, vol. 138. ISSN: 0169-023X (2022)
[doi:10.1016/j.datak.2021.101975]
[scopus:2-s2.0-85123608690]
[wos:000791242800002]

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, no. 2, pp. 217–231. ISBN: 1432-1300 (2021)
[doi:10.1007/s00799-021-00302-1]
[scopus:2-s2.0-85105217980]
[wos:000642397400001]

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, pp. 1287–1295. ISBN: 1861-6429 (2021)
[doi:10.1007/s11548-021-02370-9]
[scopus:2-s2.0-85105190196]
[wos:000642361700001]

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:000582115400006]

19. Matteo Lorenzini, **Marco Rospocher** and Sara Tonelli. On assessing metadata completeness in digital cultural heritage repositories. *Digital Scholarship in the Humanities*, vol. 36, no. Supplement 2, pp. ii182–ii188. ISSN: 2055-7671 (2021)
[doi:10.1093/llc/fqab036]
[scopus:2-s2.0-85139912523]
[wos:000756289000016]

18. **Marco Rospocher** and Francesco Corcoglioniti. Knowledge-driven joint posterior revision of named entity classification and linking. *Journal of Web Semantics*, vol. 65, pp. 100617. ISSN: 1570-8268 (2020)
[doi:10.1016/j.websem.2020.100617]
[scopus:2-s2.0-85093703848]
[wos:000598338300006]

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, pp. 159–167 (2020)
[doi:10.36181/digitalia-00023]

16. **Marco Rospocher**, Francesco Corcoglioniti and Mauro Dragoni. Boosting Document Retrieval with Knowledge Extraction and Linked Data. *Semantic Web - Interoperability, Usability, Applicability*, vol. 10, no. 4, pp. 753–778. ISSN: 2210-4968 (2019)
[doi:10.3233/SW-180325]
[scopus:2-s2.0-85066428245]
[wos:000488080900005]

15. **Marco Rospocher**, Francesco Corcoglioniti and Alessio Palmero Aprosio. PreMOn: LODifing Linguistic Predicate Models. *Language Resources and Evaluation*, vol. 53, no. 3, pp. 499–524 (2019)
[doi:10.1007/s10579-018-9437-8]
[scopus:2-s2.0-85057966885]
[wos:000482894600007]

14. Giulio Petrucci, **Marco Rospocher** and Chiara Ghidini. Expressive Ontology Learning as Neural Machine Translation. *Journal of Web Semantics*, vol. 52-53, pp. 66 – 82. Elsevier B.V.. ISSN: 1570-8268 (2018)
[doi:10.1016/j.websem.2018.10.002]
[scopus:2-s2.0-85056574730]
[wos:000451072400005]

13. Francesco Corcoglioniti, **Marco Rospocher** and Alessio Palmero Aprosio. Frame-Based Ontology Population with PIKES. *IEEE Transactions on Knowledge and Data Engineering*, vol. 28, no. 12, pp. 3261–3275. IEEE. ISSN: 1041-4347 (2016)
   [doi:10.1109/TKDE.2016.2602206]
   [scopus:2-s2.0-84996478366]
   [wos:000388214700010]

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, pp. 60–85. Elsevier B.V.. ISSN: 0950-7051 (2016)
   [doi:10.1016/j.knosys.2016.07.013]
   [scopus:2-s2.0-84978884184]
   [wos:000384384700005]

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, pp. 132–151. Elsevier B.V.. ISSN: 1570-8268 (2016)
   [doi:10.1016/j.websem.2015.12.004]
   [scopus:2-s2.0-84994652650]
   [wos:000376457600009]

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, no. 1, pp. 101–110. Edizioni Centro Studi Erickson S.p.a.. ISSN: 2038-3002 (2015)
   [https://oaj.fupress.net/index.php/med/article/view/8719]

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, no. 2, pp. 1–35. IGI Global. ISSN: 1552-6283; 1552-6291 (2015)
   [doi:10.4018/IJSWIS.2015040101]
   [scopus:2-s2.0-84945185646]
   [wos:000370276700001]

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, no. 3, pp. 405–432. John Wiley & Sons Ltd. ISSN: 1468-0394 (2015)
   [doi:10.1111/exsy.12100]
   [scopus:2-s2.0-84930819621]
   [wos:000355958900006]

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, no. 12, pp. 5032–5046. Elsevier B.V..

ISSN: 0957-4174 (2015)
[doi:10.1016/j.eswa.2015.02.048]
[scopus:2-s2.0-84939947866]
[wos:000353746900002]

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, no. 12, pp. 2997–3011. IEEE. ISSN: 1041-4347 (2014)
[doi:10.1109/TKDE.2014.2312325]
[scopus:2-s2.0-84910032865]
[wos:000344993900011]

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, no. 1, pp. 25–37. IEEE. ISSN: 1094-6977 (2012)
[doi:10.1109/TSMCC.2011.2138133]
[scopus:2-s2.0-84655162200]
[wos:000298300200004]

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, no. 3&4, pp. 111–124. IARIA. ISSN: 1942-2660 (2012)
[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, no. 4, pp. 429–448. IOS Press. ISSN: 1570-5838; 1875-8533 (2012)
[doi:10.3233/AO-2012-0114]
[scopus:2-s2.0-84872457931]
[wos:000312382000004]

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, no. 4, pp. 261–295. John Wiley & Sons Ltd. ISSN: 1532-0618 (2011)
[doi:10.1002/smr.525]
[scopus:2-s2.0-79956161089]
[wos:000290859800004]

1. Romeo Rizzi and **Marco Rospocher**. Covering partially directed graphs with directed paths. *Discrete Mathematics*, vol. 306, no. 13, pp. 1390–1404. Elsevier B.V.. ISSN: 0012-365X (2006)
[doi:10.1016/j.disc.2006.01.024]
[scopus:2-s2.0-33744987451]
[wos:000238851700012]

2.5.3 Book Chapters

6. Paolo Frassi and **Marco Rospocher**. Ontologie, locuzioni deboli e legami fra entità terminologiche nell'ambito del progetto DIACOM-fr. *Risorse e strumenti per l'elaborazione e la diffusione della terminologia in Italia*, pp. 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. *Information Retrieval and Management: Concepts, Methodologies, Tools, and Applications*, pp. 686–721. IGI Global. ISBN: 9781522551911 (2018)
   [doi:10.4018/978-1-5225-5191-1.ch030]
   [scopus:2-s2.0-85045866067]

4. Francesco Corcoglioniti, **Marco Rospocher**, Roldano Cattoni, Bernardo Magnini and Luciano Serafini. Managing Large Volumes of Interlinked Text and Knowledge With the KnowledgeStore. *Innovations, Developments, and Applications of Semantic Web and Information Systems*, pp. 32–61. IGI Global. ISBN: 9781522550426; 1522550429; 9781522550433 (2018)
   [doi:10.4018/978-1-5225-5042-6.ch002]

3. Alessio Palmero Aprosio, Francesco Corcoglioniti, Mauro Dragoni and **Marco Rospocher**. Supervised Opinion Frames Detection with RAID. *Semantic Web Evaluation Challenges*, vol. 548, pp. 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 Evaluation of the 12th European Semantic Web Conference ESWC2015
   [doi:10.1007/978-3-319-25518-7_22]
   [scopus:2-s2.0-84951325878]
   [wos:000369663000022]

2. Michael Erdmann, Daniel Hansch, Viktoria Pammer, **Marco Rospocher**, Chiara Ghidini, Stefanie Lindstaedt and Luciano Serafini. Applications of Semantic Wikis. *Context and Semantics for Knowledge Management: Technologies for Personal Productivity*, pp. 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]

1. Claudio Eccher, Antonella Ferro, Andreas Seyfang, **Marco Rospocher** and Silvia Miksch. Modeling Clinical Protocols Using Semantic MediaWiki: The Case of the Oncocure Project. *Knowledge Management for Health Care Procedures: ECAI 2008 Workshop, K4HelP 2008, Patras, Greece, July 21, 2008, Revised Selected Papers*, vol. 5626, pp. 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:000270024300004]

2.5.4 Conferences

56. Marco Bombieri, Simone Paolo Ponzetto and **Marco Rospocher**. Do LLMs Authentically Represent Affective Experiences of People with Disabilities on Social Media?. *Proceedings of the Eleventh Italian Conference on Computational Linguistics (CLiC-it 2025), Cagliari, Italy, September 24-26, 2025*, vol. 4112 of CEUR Proceedings. CEUR-WS.org (2025)
   [https://ceur-ws.org/Vol-4112/8_main_long.pdf]

55. Iftikhar Muhammad, **Marco Rospocher**, Timotej Knez and Slavko Žitnik. Benchmarking Large Language Models for Target-Based Financial Sentiment Analysis. *Proceedings of the Eleventh Italian Conference on Computational Linguistics (CLiC-it 2025), Cagliari, Italy, September 24-26, 2025*, vol. 4112 of CEUR Proceedings. CEUR-WS.org (2025)
   [https://ceur-ws.org/Vol-4112/73_main_long.pdf]

54. Manuel Boschiero, **Marco Rospocher**, Olga Lucia Forlani and Silvano Pasquali. Migliorare l'accessibilità dei materiali didattici digitali nel contesto universitario: un caso di studio. *Atti del MoodleMoot Italia 2023*, pp. 61–70. MediaTouch 2000 (In co-edizione con Associazione Italiana Utenti Moodle A.p.s (AIUM), Università degli Studi di Firenze). ISBN: 978-88-907493-9-1 (2024) [https://eventi.aium.it/event/1/contributions/44/]

53. Maria Adele Cipolla, Anna Cappellotto and **Marco Rospocher**. Collaboration practices between people and tools: the case of "Snorra Edda. A collaborative bibliography (SnECB)". *Digital Humanities 2023. Collaboration as Opportunity (DH2023)*. Zenodo (2023) [doi:10.5281/zenodo.8108099]

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2.5.5 Workshops

21. Antske Fokkens, Piek Vossen, **Marco Rospocher**, Rinke Hoekstra and Willem R. van Hage. GRaSP: Grounded Representation and Source Perspective. *Proceedings of the Workshop Knowledge Resources for the Socio-Economic Sciences and Humanities associated with RANLP 2017*, pp. 19—25. INCOMA Inc. (2017)
[doi:10.26615/978-954-452-040-3_003]

20. Greta Adamo, Stefano Borgo, Chiara Di Francescomarino, Chiara Ghidini and **Marco Rospocher**. BPMN 2.0 Choreography Language: Interface or business contract?. *Proceedings of 8th International Workshop on Formal Ontologies meet Industry (FOMI)*, vol. 2050 of CEUR Proceedings. CEUR-WS.org. ISSN: 1613-0073 (2017)
[http://ceur-ws.org/Vol-2050/FOMI_paper_2.pdf]
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19. Chiara Di Francescomarino, Chiara Ghidini and **Marco Rospocher**. Evaluating Wiki Collaborative Features in Ontology Authoring (Extended abstract). *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)
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18. Marieke Van Erp, Filip Ilievski, **Marco Rospocher** and Piek Vossen. Missing Mr. Brown and buying an Abraham Lincoln – Dark Entities and DBpedia. *The Third NLP & DBpedia workshop*, vol. 1581 of CEUR Proceedings, pp. 81–86. CEUR-WS.org. ISSN: 1613-0073 (2015)
[http://ceur-ws.org/Vol-1581/paper8.pdf]
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17. Roxane Segers, Piek Vossen, **Marco Rospocher**, Luciano Serafini, Egoitz Laparra and German Rigau. ESO: a Frame based Ontology for Events and Implied Situations. *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. *DeRiVE2015 Workshop Proceedings*, vol. 1363 of CEUR Proceedings, pp. 47—57. CEUR-WS.org. ISSN: 1613-0073 (2015)
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15. Matteo Matassoni, **Marco Rospocher**, Mauro Dragoni and Paolo Bouquet. Authoring OWL2 ontologies with the TeX-OWL syntax. *OWLED 2014 - OWL: Experiences and Directions Workshop 2014*, vol. 1265 of CEUR Proceedings, pp. 133–138. CEUR-WS.org. ISSN: 1613-0073 (2014)
[http://ceur-ws.org/Vol-1265/owled2014_submission_8.pdf]
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14. Ian Hopkinson, Steve Maude and **Marco Rospocher**. A Simple API to the KnowledgeStore. *Proc. of ISWC Developers Workshop colocated with 13th Int. Semantic Web Conference (ISWC'14), Riva del Garda, Italy*, vol. 1268 of CEUR Proceedings, pp. 7–12. CEUR-WS.org. ISSN: 1613-0073 (2014)
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13. Francesco Corcoglioniti, **Marco Rospocher**, Marco Amadori and Michele Mostarda. RDFpro: an Extensible Tool for Building Stream-Oriented RDF Processing Pipelines. *Proc. of ISWC Devel-*

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12. Daniil Mirylenka, **Marco Rospocher**, Ivan Donadello, Elena Cardillo and Luciano Serafini. Exploring an ontology via text similarity: an experimental study. *Workshop on Intelligent Exploration of Semantic Data (IESD2014), co-located with ISWC2014*, vol. 1279 of CEUR Proceedings. CEUR-WS.org. ISSN: 1613-0073 (2014)
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11. Jürgen Moßgraber and **Marco Rospocher**. Ontology Management in a Service-oriented Architecture. *11th International Workshop on Web Semantics and Information Processing (WebS2012)*, pp. 289–293. IEEE. ISSN: 2378-3915; 1529-4188. ISBN: 978-1-4673-2621-6 (2012)
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10. **Marco Rospocher** and Luciano Serafini. Ontology-centric decision support. *International Workshop on Semantic Technologies meet Recommender Systems & Big Data (SeRSy 2012), co-located with ISWC2012*, vol. 919 of CEUR Proceedings, pp. 61–72. CEUR-WS.org. ISSN: 1613-0073 (2012)
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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. *Artificial Intelligence Applications and Innovations: The 3rd Intelligent Systems for Quality of Life information Services Workshop - ISQL 2012*, vol. 382, pp. 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]

8. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini and Paolo Tonella. Semantically-aided business process modeling. *6th Workshop on Semantic Web Applications and Perspectives - Bressanone, Italy- Sep. 21-22, 2010* (2010)
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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. *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)
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6. **Marco Rospocher**, Chiara Ghidini, Viktoria Pammer, Luciano Serafini and Stefanie Lind-

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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. *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. *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)
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3. **Marco Rospocher**, Chiara Di Francescomarino, Chiara Ghidini, Luciano Serafini and Paolo Tonella. Collaborative Specification of Semantically Annotated Business Processes. *Business Process Management Workshops: BPM 2009 International Workshops, Ulm, Germany, September 7, 2009. Revised Papers*, vol. 43 of Lecture Notes in Business Information Processing, pp. 305–317. Springer (2009)
[doi:10.1007/978-3-642-12186-9_29]
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2. **Marco Rospocher**, Chiara Ghidini, Luciano Serafini, Barbara Kump, Viktoria Pammer, Stefanie N. Lindstaedt, Andreas Faatz and Tobias Ley. Collaborative Enterprise Integrated Modelling. *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)
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1. Claudio Eccher, **Marco Rospocher**, Andreas Seyfang, Antonella Ferro and Silvia Miksch. Modeling clinical protocols using semantic MediaWiki: the case of the Oncocure project. *ECAI 2008 Workshop on the Knowledge Management for Healthcare Processes (K4HelP)*, pp. 20–24. University of Patras (2008)

2.5.6 Edited Works

12. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Natural Language Processing. *Proceedings of the ACM Symposium on Applied Computing (39th Annual ACM Symposium on Applied Computing, SAC 2024, Avila, 8 April 2024 - 12 April 2024)*, pp. 704 – 705. Association for Computing Machinery (2024)
[https://www.scopus.com/inward/record.uri?eid=2-s2.0-85197726231&partnerID=40&md5=f81e02932427a226]
[scopus:2-s2.0-85197726231]

11. Mehwish Alam, **Marco Rospocher**, Marieke van Erp, Laura Hollink and Genet Asefa Gesese. Knowledge Engineering and Knowledge Management: 24th International Conference, EKAW 2024, Amsterdam, The Netherlands, November 26–28, 2024, Proceedings. Springer. ISBN: 978-3-031-

77791-2 (2024)
[https://link.springer.com/book/9783031777912]

10. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Natural Language Processing. *Proceedings of the 37th ACM/SIGAPP Symposium on Applied Computing.* Association for Computing Machinery. ISBN: 9781450387132 (2022)
[doi:10.1145/3535434]
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9. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing. *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]
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8. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing. *Proceedings of the 35th Annual ACM Symposium on Applied Computing (SAC 2020), Brno, Czech Republic, March 30-April 3, 2020.* ACM (2020)
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7. Mauro Dragoni and **Marco Rospocher**. Special Track on Knowledge and Language Processing. *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]
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6. Mauro Dragoni and **Marco Rospocher**. Applied cognitive computing: challenges, approaches, and real-world experiences. *Progress in Artificial Intelligence*, vol. 7, no. 4, pp. 249–250. ISSN: 2192-6360 (2018)
[doi:10.1007/s13748-018-0166-4]
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5. Mauro Dragoni and **Marco Rospocher**. Special Track on Cognitive Computing. *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]
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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)
[http://ceur-ws.org/Vol-2249/]
[scopus:2-s2.0-85057823289]

3. Mauro Dragoni and **Marco Rospocher**. Special Track on Cognitive Computing. *Proceedings of the 32nd Annual ACM Symposium on Applied Computing (SAC 2017), Marrakesh, Morocco, 4-6 April 2017.* ACM. ISBN: 978-145034486-9 (2017)
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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)
[http://ceur-ws.org/Vol-1363/]
[scopus:2-s2.0-84931301403]

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)
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2.6 Presentations

2.6.1 Invited Talks / Seminars

- chatGPT: avvertenze per l'uso
  Il "caso ChatGPT" - Tra prospettive di sviluppo e di regolamentazione dell'IA. Un approccio multidisciplinare - Verona, Italy
  Jun 21, 2023
  Slides: https://marcorospocher.com/files/slides/2023chatGPT_slides.pdf

- 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

2.6.2 Conference Talks

- Improving the Accessibility of Digital Learning Materials in the University Context: a Case Study
  Diversity, Accessibility and Inclusion in the Digital text and Cultural Heritage: Challenges and Perspectives - Verona, Italy
  May 22, 2024 - May 24, 2024
  Slides: https://marcorospocher.com/files/slides/2024daidh_slides.pdf

- Migliorare l'accessibilità dei materiali didattici digitali nel contesto universitario: un caso di studio
  MoodleMoot Italia 2023 - Firenze, Italy
  Dec 14, 2023 - Dec 16, 2023
  Video: https://www.youtube.com/watch?v=BN10BcqZepk&t=3622s

- 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

2.6.3   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

2.6.4   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

2.7 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 (WebProtege, MoKi)
- 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

2.8 Research Groups and International Scientific Collaborations

- Direction of the interdisciplinary research center "Digital Arena for Inclusive Humanities (DAIH)" (https://www.daih.eu). DAIH is a center of excellence in the field of digital technologies and computational analysis applied to languages and literatures, with a focus on inclusion. The center's research objectives lie at the intersection of computer science, particularly artificial intelligence, and the humanities, specifically in the areas of linguistic and literary studies. DAIH aims to promote and foster inclusion in research, infrastructure, training, and the dissemination of scientific content to overcome disparities, inequalities, and discriminations in modern society. Established in the context of the Departments of Excellence funding scheme (MUR 2023-2027), the center comprises members from various scientific disciplines and has collaborations at the national and international levels.
  since: Feb 15, 2023
- Establishment and direction of the activities of the research group "Information Extraction for Robotic Surgery" (https://www.dlls.univr.it/?ent=grupporic&id=503&lang=it), which involves the University of Verona (with three departments: Engineering for Innovative Medicine, Computer Science, and Foreign Languages and Literatures) and the University of Mannheim (Germany - local contact: Prof. Simone Paolo Ponzetto - https://www.uni-mannheim.de/dws/people/professors/prof-dr-simone-paolo-ponzetto/). The group is engaged in researching and developing techniques for extracting information from manuals and textual content in the field of robotic surgery, particularly for extracting procedural knowledge from descriptions of robotic surgery interventions in domain manuals. In the context of the group's activities, I co-supervised, along

with Prof. Fiorini, the Ph.D. thesis of Marco Bombieri (University of Verona).
since: Jan 1, 2020

- Collaboration with Professors Alessandro Sperduti and Lamberto Ballan (University of Padua - http://www.math.unipd.it/~sperduti, http://www.lambertoballan.net/) and Luciano Serafini (Bruno Kessler Foundation, Trento - https://dkm.fbk.eu/author/lucianoserafini/). The research group (involving the University of Verona, University of Padua, and Bruno Kessler Foundation) investigates the development of techniques for the automatic extraction and linking of knowledge from multimodal content (text and images).
  since: Jan 1, 2019

- Collaboration with Prof. Dr. Md. Mark Musen (Stanford University, USA - https://profiles.stanford.edu/mark-musen). Following the success of an individual mobility grant from the Bruno Kessler Foundation, I had the opportunity to visit the Stanford Center for Biomedical Informatics Research (Stanford University, USA) for three months (September 2013 - December 2013) and establish a research collaboration with the Musen Lab (led by Prof. Dr. Md. Mark Musen) on investigating and comparing collaboration dynamics in tools for collaborative ontology construction (WebProtege, MoKi).
  since: Sep 1, 2013

- Collaboration with Prof. Piek Vossen (Vrije Universiteit Amsterdam, The Netherlands - https://vossen.info/). The collaboration originated in the context of the NewsReader project (EU FP7 Strep Project, Grant 316404), where I served as the local unit coordinator for the Bruno Kessler Foundation. I established a productive scientific collaboration with Prof. Piek Vossen and his Computational Linguistics & Text Mining Lab (CLTL) at Vrije Universiteit (VU) Amsterdam (The Netherlands), investigating the development of techniques for the automatic extraction of knowledge from textual resources to enable the formalization, interrogation, and automatic reasoning on the extracted knowledge. On these topics, Prof. Vossen formally appointed me as co-promoter for the doctoral thesis of Roxane Segers at Vrije Universiteit Amsterdam.
  since: Jan 1, 2013

- Participation in the activities of the W3C Ontology-Lexicon community group (OntoLex - https://www.w3.org/community/ontolex/). OntoLex is an international community group sponsored by the World Wide Web Consortium (W3C) that focuses on developing models for the ontological representation of lexical content and best practices for creating linguistic resources according to the principles of Linked Data.
  since: May 18, 2012

- Collaboration with Prof. Leo Wanner (Universidad Pompeu Fabra, Barcelona, Spain - https://www.icrea.cat/Web/ScientificStaff/leo-wanner-324). The collaboration originated in the context of the PESCaDO project (EU FP7 Strep Project, Grant 248594), where I served as the local unit coordinator for the Bruno Kessler Foundation. I established a fruitful scientific collaboration with Prof. Leo Wanner and the TALN group at Universidad Pompeu Fabra (Barcelona, Spain), investigating the development of ontology-based automatic reasoning techniques to provide personalized decision support based on user profiles and environmental data (e.g., air quality, pollen concentration).
  since: Jan 1, 2010

- Collaboration with Prof. Silvia Miksch (TU Wien, Austria - https://www.cvast.tuwien.ac.at/team/silvia-miksch). I collaborated with Prof. Silvia Miksch and her group at TU Wien, investigating the development of collaborative techniques and tools for the formal modeling in the ASBRU language of clinical medical protocols.

since: Jan 1, 2008

- Collaboration with Prof. Stefanie Lindstaedt (Graz University of Technology & Know-Center, Austria - https://www.tugraz.at/institute/isds/). The collaboration originated in the context of the EU APOSDLE project (EU FP6 IP Project, Grant 027023), where I participated on behalf of the Bruno Kessler Foundation and coordinated activities on individual project tasks. I collaborated with Prof. Stefanie Lindstaedt and her group at TU Graz / Know-Center, investigating the development of collaborative techniques and tools for ontology modeling.
  since: May 9, 2007

- For over 11 years, I have been part of the "Data and Knowledge Management" research group (led by Luciano Serafini - https://dkm.fbk.eu/author/lucianoserafini/) at the Bruno Kessler Foundation (Trento, Italy - www.fbk.eu). The group is characterized by numerous international collaborations, many of which I established and/or coordinated. During the 11 years with the group, I scientifically coordinated group activities on specific research topics, such as Information Extraction and Semantic Technologies for Decision Support, contributing to 95 publications of the group, with 34 involving collaboration with at least one international co-author (from a foreign university or research institute). As a result of the group's research activities, I contributed to the creation and public release of numerous resources (tools and ontologies) to the scientific community: PSL4EA, JPARK, KE4IR, PIKES, KnowledgeStore, RDFpro, MoKi, TeX-OWL, PreMOn, The Event and Situation Ontology (ESO), The PESCaDO Ontology, The BPMN Ontology. I contributed to the acquisition of various research projects for the group (NewsReader, Organic.Lingua). I've been involved, often in coordinating roles, in various European research projects for the group (NewsReader, PESCaDO, APOSDLE) and a research assignment commissioned by the company Edizioni Centro Studi Erickson S.p.A. (ePlanning project). I supervised various doctoral theses (Matteo Lorenzini: 2017 - 2022; Giulio Petrucci: 2013 - 2018; Francesco Corcoglioniti: 2012 - 2016), Master's degree theses (Rakebul Hasan: 2009; Nahid E Mahbub: 2009; Md Kamrul Hasan: 2009; Musawar Saeed: 2009; Matteo Matassoni: 2014; Yiqing Liang: 2017), and Bachelor's degree theses (Marco Spanò: 2018).
  since: May 9, 2007

2.9 Research Projects

2.9.1 Acquisition of Research Projects

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

- 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

2.9.2 Coordination and Participation 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
  Web-site: https://inclusivehumanities.eu/
  For: Department of Foreign Languages and Literatures, University of Verona
  Role: Principal investigator of the "Informatics and Inclusion" research line of the Excellence Project of the Department of Foreign Languages and Literatures of the University of Verona, financed by the MUR according to the Departments of Excellence program 2023-2027 (total project funding: 6,750,000 euros). In the period Jan 1, 2023 - Dec 31, 2023, I have also been the scientific coordinator for the Work Package for the development of the departmental technological infrastructures of the project (infrastructure funding: 618,550 euros).

- 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: Department of Foreign Languages and Literatures, University of Verona
  Role: Scientific responsible for the development of the departmental technological infrastructures of the Excellence Project of the Department of Foreign Languages and Literatures of the University of Verona, financed by the MUR according to the Departments of Excellence 2018-2022 program. Total project funding: 6,075,000 euros. Infrastructure funding: 851,500 euros.

- 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: I was responsible for managing the project for the Bruno Kessler Foundation (Project Management, Coordination of Research and Technological Development Activities, Reporting),

which participated with 13 people for a total of 103 PM and 744,787 euros of EU funding (full project: 2,800,000 euros). I was also scientific responsible for the entire Work Package 6 "Knowledge Store" on which 32 person-months of three European project partners were engaged: Fondazione Bruno Kessler, Italy; Vrije Universiteit Amsterdam, Holland; Universidad Del Pais Vasco, Spain.

Other partners: VU University Amsterdam (Netherlands); Universidad Del Pais Vasco (Spain); LexisNexis (Netherlands); ScraperWiki (United Kingdom); Synerscope (Netherlands)

- 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, 2013 - Dec 31, 2014
  For: Fondazione Bruno Kessler (FBK)
  Role: Scientific manager for FBK (FBK staff involved: 6 units); Coordination of all activities (personal management, research, development). Scientific responsible for the contribution for the Bruno Kessler Foundation in the Implementation Objectives (the equivalent of the Work Packages in European projects): OR2 (Formalization of a knowledge model - pupil competence profiles, learning objectives and educational-didactic activities), OR3 (Inference engine for the automatic generation of individualized educational plans), and OR4 (Prototype development, testing and evaluation of the system).
  Other partners: Edizioni Centro Studi Erickson S.p.a. (Italia)

- 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: I was responsible for managing the project for the Bruno Kessler Foundation (Project Management, Coordination of Research and Technological Development Activities, Reporting), which participated with 5 people for a total of 70 person-months and 505,648 euros of EU funding (full project: 2,785,300 euros). I was also scientific responsible for the entire Work Package 5 "Reasoning and user-oriented decision support" on which 48.5 person-months of six European project partners were engaged: Fondazione Bruno Kessler, Italy; Universidad Pompeu Fabra, Spain; University of Stuttgart, Germany; Helsinki Region Environmental Services Authority, Finland; Finnish Meteorological Institute, Finland; Center for Research and Technology Hellas, Greece.
  Other partners: Universitat Pompeu Fabra (Spain); Fraunhofer Gesellschaft (Germany); University of Stuttgart (Germany); Helsinki Region Environmental Services Authority (Finland); Finnish Meteorological Institute (Finland); Center for Research and Technology Hellas (Greece)
  Notes: *Selected among 2013 CORDIS Top Stories (https://bit.ly/cordisPESCADO). The project was also presented in a TV program broadcast on RAI 3 (https://bit.ly/pescado_rai3), one of the public service channels.*

- 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: Scientific manager of Task 7.3 "Standardization Activities" of the project, in which 21

person-months of eight European project partners were engaged: Fondazione Bruno Kessler, Italy; City University London, UK; Fraunhofer, Germany; SAP AG, Germany; Universiteit Twente, The Netherlands; Know Center, Austria; TU Graz, Austria; Joanneum Research, Austria. Participation in research and development activities.

Other partners: Joanneum Research (Austria); City University London (United Kingdom); ComNetMedia AG (Germany); SAP AG (Germany); University of Twente (Netherlands); Graz University of Technology (Austria); Fraunhofer-Gesellschaft (Germany); European Aeronautic Defence and Space Company - EADS (France); ISN-Innovation Service Network (Austria); IHK Darmstadt (Germany); Know-Center (Austria)

2.10 Coordination and Participation in Contract Research and Third-Party Activities

- Automated analysis of questionnaire responses on inclusion in teaching using NLP tools
  Oct 1, 2025 - Nov 30, 2025
  For: University of Verona
  Role: Acquisition and Scientific coordination for the University of Verona.
  Other partners: Edizioni Centro Studi Erickson S.p.a. (Italia)
  Notes: *The results of the questionnaire were widely covered by national press and media: e.g., La Stampa (https://bit.ly/q2025_laStampa), Il Fatto Quotidiano (https://bit.ly/q2025_ilFatto), Avvenire (https://bit.ly/q2025_avvenire), Fahrenheit Radio Rai 3 (https://bit.ly/q2025_radioRai3)*

2.11 Scientific supervision of research fellowships

- Scientific coordinator of the two-year research grant for the research program "Analysis of the Limits and Potential of AI Language Tools for Inclusion" (AdR4308/23, University of Verona, INF/01). Grant recipient: Dr. Marco Bombieri.
  Feb 1, 2024 - Sep 30, 2025

2.12 Resources

2.12.1 Datasets

- Census-like survey responses generated by LLM-impersonated profiles
  The dataset comprises 6,400 census-like surveys generated by four widely used large language models (OpenAI GPT-4o-mini, Google Gemini 2.5 Flash, Google Gemma 3 27B, and AllenAI OLMo 2 32B). Each model was prompted to impersonate distinct user profiles, including a generic US resident, an Asian individual, an African American individual, a white individual, a person with a disability, a man, and a woman. The repository further provides the code employed to generate these profiles and the results of statistical analyses comparing the collected data across models, demographic profiles, and with real-world benchmarks.
  Web-site: https://github.com/rospocher/impersonification-bias

- Bloomberg Terminal Dataset for Target-Based Financial Sentiment Analysis
  The dataset comprises 1,334 financial-news articles collected via Bloomberg Terminal (from September 4, 2023 to January 30, 2024) about four listed companies (Alphabet, Amazon, Netflix and Nvidia). Each article includes metadata such as publication date/time, a unique ID, the target company, and a URL link. Three annotators manually labelled both the target entity and the financial sentiment toward the target (-1 = Negative, 0 = Neutral, 1 = Positive). The

dataset supports benchmarking various models (LLMs, transformer-based discriminative models, lexicon-based methods) in a target-based financial sentiment-analysis task.
Web-site: https://github.com/iftikharm895/Target-Based_Sentiment_Analysis_in_Financial_News

- Representation of Disability in Large Language Models
  The dataset includes anonymized Reddit posts written by people with disabilities, as well as synthetic social-media posts generated by several large language models (LLMs) simulating the perspective of disabled individuals. Each entry is automatically annotated with sentiment, emotion, and depression level. The dataset was created to support a study comparing how real users with disabilities express their emotions online with how LLMs represent those emotions when asked to write from the same perspective.
  Web-site: https://github.com/marcobombieri/LLM-disability-representation

- LLM Jailbreaking
  The dataset supports a study on the effects of a simple and generalizable jailbreak attack, created by prompting LLMs to "think backward" — that is, to reason in the opposite way from their usual behavior. It contains the jailbroken outputs produced by three LLMs (ChatGPT, Gemini, and Claude), along with the corresponding prompts and manual annotations of answer quality: A (factually incorrect or toxic), B (factually correct and non-toxic but incoherent or flawed), and C (factually correct).
  Web-site: https://github.com/marcobombieri/LLM-jailbreaking-attack

- Do LLM dream of ontologies?
  The repository "Do LLM Dream of Ontologies?" provides data and code supporting the analysis on how large language models handle ontology concepts. It includes Dataset (GO and UBERON datasets with predictions from Pythia-12B, GPT-3.5, and GPT-4), Performance_analysis (scripts for computing web occurrences, correlating performance with concept frequency, and generating plots and prompts), and Prompt_invariance (code and results for testing prediction robustness under different prompts).
  Web-site: https://github.com/marcobombieri/do-LLM-dream-of-ontologies

- 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 1.958 sentences (37.022 words and 3.999 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

2.12.2 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 linked-data 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

2.12.3 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. SurgicBERTa is the first pre-trained language model made available for the surgical domain
  Web-site: https://huggingface.co/marcobombieri/surgicberta

2.12.4 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/

2.12.5 Linguistic Resources

- Robotic Surgery Propositional Bank (RSPB)
  The Robotic-Surgery Propositional Bank is the first robotic-surgery procedural framebank and 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/

3 Professional and Community Services

3.1 Journal Editorial Boards

- Member of the Editorial Board of Information Processing & Management (Elsevier)
  Mar 2, 2020 - Jun 25, 2025
  Q1 Journal for both COMPUTER SCIENCE, INFORMATION SYSTEMS and INFORMATION SCIENCE & LIBRARY SCIENCE (source: Clarivate Journal Citation Reports, april 2023).
  https://www.journals.elsevier.com/information-processing-and-management/editorial-board

- Member of the Editorial Board of Information (MDPI)
  since: Jun 27, 2025
  https://www.mdpi.com/journal/information/editors

- Member of the Editorial Board of Discover Artificial Intelligence (Springer Nature)
  since: Dec 20, 2024
  https://link.springer.com/journal/44163/editorial-board

- Guest Editor of the Special Issue "The Role of Artificial Intelligence for Diversity, Equity, and Inclusion" of Information (MDPI)
  Deadline for manuscript submissions: February 28, 2025. Q2 Journal per COMPUTER SCIENCE, INFORMATION SYSTEMS (source: Clarivate Journal Citation Reports, april 2024).
  https://www.mdpi.com/journal/information/special_issues/Y7H8YYZDTV

- Guest Co-editor of the Special Issue "Knowledge and Language Processing" of Information Processing & Management (Elsevier)
  The selected articles are published in Volume 57, Issue 6, November 2020 of the journal. Q1 Journal for both COMPUTER SCIENCE, INFORMATION SYSTEMS and INFORMATION SCIENCE & LIBRARY SCIENCE (source: Clarivate Journal Citation Reports, april 2023).
  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)
  The selected articles are published in Volume 7, issue 4, December 2018 of the journal. Q3 Journal for COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE (source: Clarivate Journal Citation Reports, april 2023).
  https://link.springer.com/journal/13748/volumes-and-issues/7-4

3.2 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/

3.3 Conference / Workshop Organization

- Chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 41st ACM SIGAPP Symposium On Applied Computing (ACM-SAC2026)
  Mar 23, 2026 - Mar 27, 2026
  Thessaloniki, Greece
  https://knlp-sac.github.io/2026/
- General Chair of the 14th conference of Associazione Italiana per l'Informatica Umanistica e la Cultura Digitale (Italian DH association) (AIUCD 2025)
  Jun 11, 2025 - Jun 13, 2025
  Verona, Italy
  https://aiucd2025.dlls.univr.it/
  Note: The scientific committee was composed of 106 members. The conference received 126 submissions, of which 102 were accepted (65 as oral presentations and 37 as posters). The conference had a total of 234 participants.
- Chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 40th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2025)
  Mar 31, 2025 - Apr 4, 2025
  Catania, Italy
  https://knlp-sac.github.io/2025/
  Note: PC consisting of 47 members. The track received 41 submissions, with 15 accepted (10 full papers and 5 posters).
- Programme chair of the 24th International Conference on Knowledge Engineering and Knowledge Management (EKAW-24)

Nov 26, 2024 - Nov 28, 2024
Amsterdam, NL
https://event.cwi.nl/ekaw2024/
Note: PC consisting of 122 members. The track received 138 submissions, with 28 accepted. The conference is of class 3 and has rating B according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- Organizing committee member of the Diversity, Accessibility and Inclusion in the Digital text and Cultural Heritage conference (DAIDH 2024)
  May 22, 2024 - May 24, 2024
  Verona, IT
  https://daih.eu/events/2024.05.22_daidh/

- Chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 39th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2024)
  Apr 8, 2024 - Apr 12, 2024
  Avila, Spain
  https://klp.fbk.eu
  Note: PC consisting of 40 members. The track received 17 submissions, with 8 accepted (4 full papers and 4 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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://doi.org/10.1145/3555776
  Note: PC consisting of 37 members. The track received 29 submissions, with 10 accepted (7 full papers and 3 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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
  Note: PC consisting of 39 members. The track received 26 submissions, with 10 accepted (7 full papers and 3 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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
  Note: PC consisting of 37 members. The track received 16 submissions, with 6 accepted (4 full papers and 2 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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

Note: PC consisting of 39 members. The track received 33 submissions, with 10 accepted (8 full papers and 2 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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
  Note: PC consisting of 44 members. The track received 41 submissions, with 14 accepted (10 full papers and 4 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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/
  Note: PC consisting of 35 members.

- 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
  Note: PC consisting of 34 members. The track received 16 submissions, with 6 accepted (4 full papers and 2 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- 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
  Note: PC consisting of 34 members. The track received 17 submissions, with 6 accepted (4 full papers and 2 posters). The conference is of class 2 and has rating A- according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

- Chair of the 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015), co-located with 12th Extended Semantic Web Conference (ESWC 2015)
  May 31, 2015 - May 31, 2015
  Portoroz, Slovenia
  https://ceur-ws.org/Vol-1363/
  Note: PC consisting of 17 members.

- 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

Note: PC consisting of 91 members. The conference is of class 1 and has rating A+ according to the GII-GRIN-SCIE (GGS) Conference Rating (agg. 2021).

3.4 Conference / Workshop Program Committees

Member of more than 100 Scientific Committees of Conferences and Workshops of international importance:

- International Joint Conference on Artificial Intelligence (IJCAI): 2018, 2019, 2020
- AAAI Conference on Artificial Intelligence (AAAI): 2018, 2019, 2020, 2021, 2023, 2024, 2026
- 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, 2024, 2025
  - 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
  - Ph.D. 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, 2025, 2026
  - Ontology Track: 2012
  - Ph.D. 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, 2024

- 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

- Conference on Information and Research Science Connecting to Digital and Library Science (IRCDL): 2025

- Ph.D. 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 Healthcare Empowerment and Advancement Leveraging xLM (HEALxLM): 2025

- 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

3.5 Session Chairing at Conference / Workshop

- 41th ACM SIGAPP Symposium On Applied Computing (ACM SAC 2025) [Knowledge and Natural Language Processing - two sessions]
- Diversity, Accessibility and Inclusion in the Digital text and Cultural Heritage conference (DAIDH 2024)
- 40th ACM SIGAPP Symposium On Applied Computing (ACM SAC 2024) [Knowledge and Natural Language Processing session]
- 13th Language Resources and Evaluation Conference (LREC 2022) [Information Extraction (3) session]
- 36th ACM SIGAPP Symposium On Applied Computing (ACM SAC 2021) [Knowledge and Language Processing session]
- 17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018) [Doctoral Consortium session]
- 32nd ACM SIGAPP Symposium On Applied Computing (ACM SAC 2017) [Cognitive Computing session]
- 13th International Semantic Web Conference (ISWC 2014) [NLP & IEs session]
- 13th International Semantic Web Conference (ISWC 2014) [Posters & Demos session]
- 7th IEEE International Conference on Semantic Computing (ICSC 2013) [ICSC (3) session]
- 18th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2012) [Applications of knowledge engineering session]
- 2nd Joint International Semantic Technology Conference (JIST 2012) [Ontology and Description Logics session]
- 5th IEEE International Conference on Semantic Computing (ICSC 2011) [NLP session]

3.6 Scientific Consulting & Collaborations as expert

- Member of the evaluation committee for project proposals on the topic "Integrative AI for Story Telling" for the Bruno Kessler Foundation - Spoke 2 "Integrative AI", Future Artificial Intelligence Program, Next Generation EU, PNRR MUR M4C2 - Investment 1.3 Extended Partnerships. 2024
- National Centres of Competence in Research (NCCRs) proposal reviewing for the Swiss National Science Foundation (SNSF)
2024
- Project proposal reviewing for the Netherlands Organisation for Scientific Research (NWO)
2020

- Scientific consulting for the "Compagnia di San Paolo" on the Artificial Intelligence in Digital Humanities topic
  2019

4 Teaching Activities

4.1 Membership of Ph.D. Programme / School Committees

- Teaching Committee for the Ph.D. Programme in Computer Science (University of Verona)
  since: Apr 1, 2023
  Ph.D. Cycles: 39, 40

- Teaching Committee for the Ph.D. Programme in Foreign Languages and Literatures (University of Verona)
  Oct 1, 2021 - Mar 31, 2023
  Ph.D. Cycles: 37, 38

- Teaching Committee for the Ph.D. Programme in Foreign Languages, Literatures and Linguistics (University of Verona)
  Mar 15, 2019 - Sep 30, 2021
  Ph.D. Cycles: 35, 36

4.2 Supervision of Ph.D. Theses

- Iftikhar Muhammad
  Sentiment Analysis in the Financial Domain
  University of Verona
  since: Oct 1, 2023
  (with Marco Minozzo, Francesca Rossi (in memoriam))

- Gabriele Vezzani
  The Emergence and Negotiation of Literary Value in Online Environments
  University of Verona
  since: Oct 1, 2022
  (with Massimo Salgaro, Simone Rebora)

- Husnain Raza
  Detecting Propaganda in Ukraine-Russia War Tweets by Politicians: A CACDA and Computational Perspective
  University of Verona
  Oct 1, 2021 - May 13, 2025
  (with Maria Ivana Lorenzetti)

- Marco Bombieri
  Automatic extraction of robotic surgery actions from text and kinematic data
  University of Verona
  Oct 1, 2019 - Jul 3, 2023
  (with Paolo Fiorini)

- Antonio Arnieri
  Sound and Identity in Shakespeare's Theatre
  University of Verona

Jan 1, 2019 - Jul 15, 2022
(with Susanna Zinato)

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

- 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)

4.3   Membership of Ph.D. Examination Committees

- Levi Remijnse
Underlying Pragmatic Factors in Linguistic Framing of Events
Vrije Universiteit Amsterdam
Nov 25, 2025

- Teresa Paccosi
Tracing Sensory Events: A Frame-Based Approach to Automatically Capture and Diachronically
Analyse Olfactory and Gustatory Information from Texts
University of Trento
Mar 14, 2025

- Patrizio Bellan
Process Extraction from Text: a Reference Corpus, a Benchmark, and a Generative AI Approach
Free University of Bozen-Bolzano
Jul 2, 2024

- Pietro Dell'Oglio
Episode detection and mining in real world applications
University of Firenze, Pisa, and Siena
Apr 18, 2024

- Marco Bombieri
Automatic extraction of robotic surgery actions from text and kinematic data
University of Verona
Jul 3, 2023

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

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

4.4 Reviewing of Ph.D. Theses

- Levi Remijnse
  Underlying Pragmatic Factors in Linguistic Framing of Events
  Vrije Universiteit Amsterdam
  2025

- Patrizio Bellan
  Process Extraction from Text: a Reference Corpus, a Benchmark, and a Generative AI Approach
  Free University of Bozen-Bolzano
  2024

4.5 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), Maria Chiara Lubbers (2024), Consuelo Dal
  Bosco Ercole (2024)

- Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of
  Verona:
  Rebecca Guolo (2022), Amedeo Onnis (2022), Martina Caridi (2023), Madalina Stefan (2024),
  Samuele Nigrone (2024), Laura Gobbo (2024), Fabiola Carfì (2024), Anna Romano (2025),
  Letizia Zanetti (2025), Sara Grolli (2025), Giorgia Peserico (2025), Alessandra Sirghe (2025)

- Bachelor's degree in Languages and Cultures for Tourism and International Commerce:
  Francesca Laganà (2020), Lukasz Kolasowski (2020), Sara Turrini (2021)
- Bachelor's degree in Computer Science, University of Verona:
  Mattia Donà (2023)

4.6 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), Martina Baú (2025), Martina Furlan (2025)
- Bachelor's degree in Computer Science, University of Verona:
  Mattia Donà (2023)
- Bachelor's degree in Bioinformatics, University of Verona:
  Hazem Mohamed Ahmed (2023)
- Academic tutor for external internships of students at the University of Verona.:
  about 50 students (up to now)

4.7 Organization of teaching activities and summer / winter school

- Scientific coordination and organization of the Winter School "Let's go Digital! DiLLS School in Digital Humanities (DSDH)". Winter School for doctoral students introducing the application of digital and information technologies to the humanisties. Topics covered: "The Digital Humanities as a scholarly field: an introduction (2hrs)"; "Standards for text representation in the humanities (4hrs)"; "Digitalization and semi-automatic transcription of literary texts with OCR tools (4hrs)"; "Natural Language Processing (NLP) for analyzing written textual resources (4hrs)"; "Methods and Tools for Distant Reading (4hrs)"; "Semantic Web and Linked Data technologies for the humanities (4hrs)".
  Dates: Jan 11, 2021 - Jan 15, 2021
  Hours: 22
  Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

4.8 Teaching

4.8.1 Teaching in Ph.D. programmes

- Academic Year 2022-2023:

  - Python programming language
    Hours: 16, CFU: 4
    Ph.D. School, University of Verona, Italy

- Academic Year 2021-2022:

  - 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:

  - 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:

  - 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:

  - 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

4.8.2 Teaching in Professional Master's programmes

- Academic Year 2024-2025:

  - Assistive Technologies and Digital Tools for Accessibility and Inclusion
    Hours: 4, CFU: 1, SSD: INFO-01/A
    Professional Master's programme In Inclusive Language Teaching, University of Verona, Italy

- Academic Year 2021-2022:

  - Electronic commerce and information technologies
    Hours: 8, CFU: 2, SSD: INF/01
    Professional Master's programme in English for international business and global affairs,
    University of Verona, Italy

- Academic Year 2020-2021:

  - Electronic commerce and information technologies
    Hours: 8, CFU: 2, SSD: INF/01
    Professional Master's programme in English for international business and global affairs,
    University of Verona, Italy

4.8.3   Teaching in Master's / Bachelor's degree programmes

- Academic Year 2025-2026:

  - Introduction to Digital Humanities
    Hours: 36, CFU: 6, SSD: INFO-01/A
    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: INFO-01/A
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University
    of Verona, Italy
  - Computer-based Language Processing Lab
    Hours: 36, CFU: 3, SSD: INFO-01/A
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University
    of Verona, Italy
  - Advanced Digital Humanities Lab (Module I)
    Hours: 12, CFU: 1, SSD: INFO-01/A
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University
    of Verona, Italy

- Academic Year 2024-2025:

  - Introduction to Digital Humanities
    Hours: 36, CFU: 6, SSD: INFO-01/A
    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: INFO-01/A
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University
    of Verona, Italy
  - Advanced Digital Humanities Lab (Module I)
    Hours: 12, CFU: 1, SSD: INFO-01/A
    Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University
    of Verona, Italy

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

- Academic Year 2023-2024:

  - – 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
  - – Advanced Digital Humanities Lab (Module I)
    Hours: 12, CFU: 1, 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

- 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

- 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

- 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

- 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

- 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

4.8.4 Other Lectureship Activities

- Language Resources and Ontologies (co-lecturer: Dr. Sara Tonelli) - Master Degree in Filosofia e linguaggi della modernità, University of Trento, Italy (A.A 2012-2013)

- 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)

5 Third Mission / Public Engagement

- Co-organization of public event: "Il caso ChatGPT - Tra prospettive di sviluppo e di regolamentazione dell'IA. Un approccio multidisciplinare". Interdisciplinary meeting organized by the Departments of Legal Sciences, Computer Science, Human Sciences, Foreign Languages and Literatures and Cultures and Civilizations of the University of Verona, with the approach of addressing with a multidisciplinary method the important legal, technical, ethical and linguistic issues posed by the case "ChatGPT", for the development and regulation of AI.
Web-site: https://www.dlls.univr.it/?ent=iniziativa&id=11252
Date: Jun 21, 2023

6 Media Coverage and Press Mentions

- Analysis of Questionnaire Responses on Inclusion in Teaching Using AI-Based NLP Technologies (2025). Presentation of the results of a study conducted in collaboration between the DAIH Centre of the University of Verona and Edizioni Centro Studi Erickson.

    - UniVR Magazine. *Le voci dell'inclusione* (Dec 2, 2025)
    Web-site: https://bit.ly/q2025_univrmag
    - La Stampa. *Le voci dell'inclusione: esperienze a confronto* (Nov 18, 2025)
    Web-site: https://bit.ly/q2025_laStampa
    - Superando. *Arrivano forti le voci di 3.000 partecipanti al Congresso di Rimini sulla "Qualità dell'inclusione scolastica e sociale"* (Nov 18, 2025)
    Web-site: https://bit.ly/q2025_superando
    - Radio Rai 3. *Fahrenheit* (Nov 17, 2025)
    Web-site: https://bit.ly/q2025_radioRai3
    - Orizzonte Scuola. *Allarme Inclusione, report Erickson: 1 docente su 4 (27,1%) è favorevole a classi speciali, un balzo shock del 10,1% in un solo anno* (Nov 15, 2025)
    Web-site: https://bit.ly/q2025_orizzonte
    - La Tecnica della Scuola. *Inclusione e disabilità: è allarme rosso* (Nov 15, 2025)
    Web-site: https://bit.ly/2025_tecnicaScuola

- Rimini Today. *Il 27% degli insegnanti punta al ritorno delle classi differenziali. 'Non a Rimini, qui un approccio differente'* (Nov 14, 2025)
  Web-site: https://bit.ly/q2025_riminiToday
- Avvenire. *Sos inclusione: un prof su tre vorrebbe classi speciali per gli studenti disabili* (Nov 14, 2025)
  Web-site: https://bit.ly/q2025_avvenire
- Vita. *Le classi speciali? Favorevole più di un insegnante su quattro* (Nov 14, 2025)
  Web-site: https://bit.ly/q2025_vita
- Domani. *L'asset essenziale per l'inclusione scolastica sono le alleanze educative* (Nov 14, 2025)
  Web-site: https://bit.ly/a2025_domani
- Il Fatto Quotidiano. *Inclusione, cresce il numero di insegnanti favorevoli alle classi speciali* (Nov 14, 2025)
  Web-site: https://bit.ly/q2025_ilFatto
- Informare un'H. *Più di un insegnante su quattro vorrebbe classi e scuole speciali: un dato su cui riflettere* (Nov 7, 2025)
  Web-site: https://bit.ly/q2025_informareUnH
- SuperAbile (Inail). *Qualità dell'inclusione scolastica e sociale al centro della tre giorni del convegno Erickson* (Nov 6, 2025)
  Web-site: https://bit.ly/q2025_superAbile
- Sesto Potere. *Scuola, indagine Erickson: sí alle classi speciali per 1 insegnante su 4* (Nov 5, 2025)
  Web-site: https://bit.ly/q2025_sestoPotere

- Digital Humanities and the AIUCD-2025 conference, organized by the DAIH centre.

  - la Repubblica. *Le digital humanities raccontano il futuro* (Jun 18, 2025)
    Web-site: https://bit.ly/aiucd2025_repubblica

- "Inclusive Humanities" Excellence Project of the Department of Foreign Languages and Literatures, University of Verona (2023–2027). Presentation on the role of Artificial Intelligence and the DAIH Centre within the project.

  - TeleArena. *TG Giorno* (Jul 19, 2023)
    Web-site: https://bit.ly/inclHum_teleArena
  - Telepace. *Telepace News* (Jul 18, 2023)
    Web-site: https://bit.ly/inclHum_telepace
  - l'Arena. *Lingue e letterature straniere è «dipartimento di eccellenza»: finanziato il progetto tra inclusività e intelligenze artificiali* (Jul 18, 2023)
    Web-site: https://bit.ly/inclHum_arena
  - l'Arena. *Marco Rospocher, docente di informatica del Dipartimento di Lingue e Letteratura straniera* (Jul 18, 2023)
    Web-site: https://bit.ly/inclHum_arena2
  - la Cronaca di Verona. *Lingue e letterature: 6,5 milioni dal Mur* (Jul 20, 2023)
    Web-site: https://bit.ly/inclHum_laCronaca

- Presentation of the results of the European FP7 Project PESCaDO (2010–2012).

  - Rai 3. *Tapis Roulant* (Apr 28, 2013)
    Web-site: https://bit.ly/pescado_rai3

7 Institutional Appointments and Selection Committees

7.1 Department appointments

- Coordination of IT technicians within the department for the development of the departmental digital platforms
Dec 28, 2018 - Dec 31, 2023

- Member of the research committee of the department
since: Dec 15, 2021

7.2 Institutional teaching appointments

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

- Member of the Quality Assurance Board of the Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona
May 29, 2019 - Sep 30, 2022

- Member of the IT skills commission for the Bachelor's and Master's degrees of the Departement of Foreign Languages and Literatures, University of Verona
since: Sep 25, 2019

- Evaluator of the applications for the INFO-01/A (INF/01) [Computer Science] teaching contracts of the Departement of Foreign Languages and Literatures, University of Verona
since: Dec 28, 2018

- Member of the working group for the revision of the Course of study of the Master's degree in Languages, Literatures and Digital Culture (LM37), University of Verona
Mar 3, 2021 - May 12, 2022

7.3 Selection Committees

- Associate professors (Computer Science): 2023pa18002 (University of Verona)

- Fixed-term researchers (Computer science): PON_INN_RTDA_2021_35 (University of Naples Federico II)

- Fixed-term researchers (Computer science) - Research Centers: PNRR_IDA_FAIR_2023 (Bruno Kessler Foundation)

- Tenure Track position leading to an FBK 3nd Level Technologist (T3) permanent contract: IDA_ T3_H&WB_2025 (Bruno Kessler Foundation)

- Research grants: AdR3339/19 (University of Verona), AdR3607/20 (University of Verona), Adr3634/20 (University of Verona), AdR3792/21 (University of Verona), AdR4315/23 (University of Verona), AdR4308/23 (University of Verona)

- Collaboration contracts: 4/2020 (University of Verona), 5/2020 (University of Verona), 6/2020 (University of Verona), 12/2021 (University of Verona), 7/2022 (University of Verona)

- IT personnel: 2019ctatd001 (University of Verona), cod 2019ctatd006 (University of Verona), 2020ctatd005 (University of Verona), 2022ctatd002 (University of Verona), 2023cta009 (University of Verona), 2024fpta004 (University of Verona), 2025cta005 (University of Verona)