Curriculum Vitae

Marco Rospocher

Updated: September 25, 2023

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1 General Information

1.1 Personal Data

FAMILY NAME: Rospocher FIRST NAME: Marco NATIONALITY: Italian

Affiliation: Department of Foreign Languages and Literatures, University of Verona

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Home Page: https://marcorospocher.com/

GOOGLE SCHOLAR: https://scholar.google.com/citations?user=wkAcWjMAAAAJ SCOPUS: https://www.scopus.com/authid/detail.uri?authorId=14010314000

DBLP: https://dblp.uni-trier.de/pers/hd/r/Rospocher:Marco

Orcid: https://orcid.org/0000-0001-9391-3201

GITHUB: https://github.com/rospocher

1.2 Education

• Ph.D. in Information and Communication Technologies

ICT School, University of Trento, Italy

Mar 31, 2006

Thesis: On the computational complexity of enumerating certificates of NP problems

Advisor: Prof. Romeo Rizzi

Manuscript: https://marcorospocher.com/files/phd/2006phd.pdf

• M.Sc. (Laurea) degree in Mathematics

University of Trento, Italy

Mar 27, 2002

Thesis: All-Pairs and Matching-like Shortest Paths Algorithms

Advisor: Prof. Romeo Rizzi Final Score: 110/110 cum Laude

Notes: Degree obtained within the legal length period (4 years) of the programme

1.3 National Scientific Qualification

• National Scientific Qualification to function as associate professor in Italian Universities for sector 01/B1 (Informatica / Informatics)

Dec 5, 2017

https://asn16.cineca.it/pubblico/miur/esito-abilitato/01%252FB1/2/3

• National Scientific Qualification to function as associate professor in Italian Universities for sector 09/H1 (Sistemi di Elaborazione Delle Informazioni / Information Processing Systems)
Dec 5, 2017

https://asn16.cineca.it/pubblico/miur/esito-abilitato/09%252FH1/2/3

1.4 Current Position

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

since: Dec 28, 2018

1.5 Past 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 PhD Scholarship

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

2 Research Activities and Related Titles

2.1 Research Interests

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

2.2 Appointments

Director of the interdisciplinary research center "Digital Arena for Inclusive Humanities (DAIH)".
 DAIH is a center of excellence in the field of digital technologies and computational analysis applied to languages and literature, and aims to promote and facilitate inclusion in research, infrastructure, training, and dissemination of scientific content in order to overcome the disparities, inequalities, and discriminations of modern society

Web-site: https://www.dlls.univr.it/?ent=bibliocr&id=362&tipobc=6

since: Feb 15, 2023

2.3 Awards

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

Certificate: https://marcorospocher.com/files/awards/2014edoc.pdf

- Runner-up Prize at the Ontology Competition of the 8th International Conference on Formal Ontology in Information Systems FOIS2014 (September 22-26, 2014 Rio de Janeiro, Brasil) for the contribution "An ontology for personalized environmental decision support" (Marco Rospocher) Certificate: https://marcorospocher.com/files/awards/2014fois.pdf
- Semantic Sentiment Analysis Award (Task 3 Frame entities Identification) at the Semantic Web Evaluation of the 12th European Semantic Web Conference ESWC2015 (May 31-June 4, 2015 Portoroz, Slovenia) for the contribution "Opinion frame extraction from news corpus" (Francesco Corcoglioniti, Alessio Palmero Aprosio, Marco Rospocher)

Certificate: https://marcorospocher.com/files/awards/2015eswccha.pdf

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

Info: https://marcorospocher.com/files/awards/2008iswc.pdf

• Distinguished Program Committee Member at the 27th International Joint Conference on Artificial Intelligence and the 23rd European Conference on Artificial Intelligence (IJCAI-ECAI 2018)

Info: https://www.ijcai-18.org/distinguished-members/

2.4 Publications

2.4.1 Bibliometrics Indicators

• Google Scholar

Citations: 2017H-index: 25i10-Index: 52

• Scopus

Citations: 1097H-index: 17

- H-index (excl. self-citation): 16

2.4.2 Journals

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

DOI: 10.1007/s10579-023-09668-x

Scopus: 2-s2.0-85163063471 WoS: WDS: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* (to appear)

DOI: 10.1007/s41060-023-00433-5

Scopus: 2-s2.0-85168115302 WoS: WDS:001050945700001

28. 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* (to appear)

DOI: 10.1007/s10489-023-04882-0

Scopus: 2-s2.0-85168563884 WoS: WOS:001052495200001

27. Marco Rospocher. Detecting explicit lyrics: a case study in Italian music. *Language Resources and Evaluation*, vol. 57(2):849–867 (2023)

DOI: 10.1007/s10579-022-09595-3

Scopus: 2-s2.0-85130242158 WoS: WOS:000798410500001

26. Marco Rospocher and Samaneh Eksir. Assessing Fine-Grained Explicitness of Song Lyrics. *Information*, vol. 14(3). ISSN: 2078-2489 (2023)

DOI: 10.3390/info14030159 Scopus: 2-s2.0-85151097162 WoS: WOS:000955318200001

25. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto, and Paolo Fiorini. Machine understanding surgical actions from intervention procedure textbooks. *Computers in Biology and Medicine*, vol. 152:106415. ISSN: 0010-4825 (2023)

DOI: 10.1016/j.compbiomed.2022.106415

Scopus: 2-s2.0-85144338000 WoS: WOS:000900243500001

24. Marco Rospocher. On exploiting transformers for detecting explicit song lyrics. *Entertainment Computing*, vol. 43:100508. ISSN: 1875-9521 (2022)

DOI: 10.1016/j.entcom.2022.100508

Scopus: 2-s2.0-85132214046 WoS: WOS:000822791600001

23. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. Aligning and linking entity mentions in image, text, and knowledge base. *Data & Knowledge Engineering*. ISSN: 0169-023X (2022)

DOI: 10.1016/j.datak.2021.101975

Scopus: 2-s2.0-85123608690 WoS: WOS:000791242800002

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

DOI: 10.1007/s00799-021-00302-1

Scopus: 2-s2.0-85105217980 WoS: WOS:000642397400001

21. Marco Bombieri, Marco Rospocher, Diego Dall'Alba, and Paolo Fiorini. Automatic detection of procedural knowledge in robotic-assisted surgical texts. *International Journal of Computer Assisted Radiology and Surgery*, vol. 16:1287–1295. ISBN: 1861-6429 (2021)

DOI: 10.1007/s11548-021-02370-9

Scopus: 2-s2.0-85105190196 WoS: WOS:000642361700001

20. Marco Rospocher. Explicit song lyrics detection with subword-enriched word embeddings. Expert Systems with Applications, vol. 163. ISSN: 0957-4174 (2021)

DOI: 10.1016/j.eswa.2020.113749

Scopus: 2-s2.0-85089102640 WoS: WOS:000582115400006

19. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. On assessing metadata completeness in digital cultural heritage repositories. *Digital Scholarship in the Humanities*, vol. 36(Supplement 2):ii182-ii188. ISSN: 2055-7671 (2021)

DOI: 10.1093/11c/fqab036 Scopus: 2-s2.0-85139912523 WoS: WOS:000756289000016

18. **Marco Rospocher** and Francesco Corcoglioniti. Knowledge-driven joint posterior revision of named entity classification and linking. *Journal of Web Semantics*, vol. 65:100617. ISSN: 1570-8268 (2020)

DOI: 10.1016/j.websem.2020.100617

Scopus: 2-s2.0-85093703848 WoS: 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. 2:159–167 (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(4):753–778. ISSN: 2210-4968 (2019)

DOI: 10.3233/SW-180325 Scopus: 2-s2.0-85066428245 WoS: WOS:000488080900005

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

DOI: 10.1007/s10579-018-9437-8 Scopus: 2-s2.0-85057966885

WoS: WOS:000482894600007

14. Giulio Petrucci, **Marco Rospocher**, and Chiara Ghidini. Expressive Ontology Learning as Neural Machine Translation. *Journal of Web Semantics*, vol. 52-53:66-82. Elsevier B.V.. ISSN: 1570-8268 (2018)

DOI: 10.1016/j.websem.2018.10.002

Scopus: 2-s2.0-85056574730 WoS: WOS:000451072400005

13. Francesco Corcoglioniti, Marco Rospocher, and Alessio Palmero Aprosio. Frame-Based Ontology Population with PIKES. *IEEE Transactions on Knowledge and Data Engineering*, vol. 28(12):3261–3275. IEEE. ISSN: 1041-4347 (2016)

DOI: 10.1109/TKDE.2016.2602206 Scopus: 2-s2.0-84996478366 WoS: WOS:000388214700010

12. Piek Vossen, Rodrigo Agerri, Itziar Aldabe, Agata Cybulska, Marieke van Erp, Antske Fokkens, Egoitz Laparra, Anne-Lyse Minard, Alessio Palmero Aprosio, German Rigau, **Marco Rospocher**, and Roxane Segers. NewsReader: Using knowledge resources in a cross-lingual reading machine to generate more knowledge from massive streams of news. *Knowledge-Based Systems*, vol. 110:60–85. Elsevier B.V.. ISSN: 0950-7051 (2016)

DOI: 10.1016/j.knosys.2016.07.013

Scopus: 2-s2.0-84978884184 WoS: WOS:000384384700005

11. **Marco Rospocher**, Marieke van Erp, Piek Vossen, Antske Fokkens, Itziar Aldabe, German Rigau, Aitor Soroa, Thomas Ploeger, and Tessel Bogaard. Building Event-Centric Knowledge Graphs from News. *Web Semantics: Science, Services and Agents on the World Wide Web*, vol. 37–38:132–151. Elsevier B.V.. ISSN: 1570-8268 (2016)

DOI: 10.1016/j.websem.2015.12.004

Scopus: 2-s2.0-84994652650 WoS: WOS:000376457600009

- 10. Sofia Cramerotti, Massimo Turrini, Marco Buccio, Silvia Larentis, **Marco Rospocher**, Luciano Serafini, Elena Cardillo, and Ivan Donadello. ePlanning: an Ontology-based System for Building Individualized Education Plans for Students with Special Educational Needs. *MED Media Education*, vol. 6(1):101–110. Edizioni Centro Studi Erickson S.p.a.. ISSN: 2038-3002 (2015) URL: 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(2):1–35. IGI Global. ISSN: 1552-6283; 1552-6291 (2015)

DOI: 10.4018/IJSWIS.2015040101 Scopus: 2-s2.0-84945185646 WoS: 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(3):405–432. John Wiley & Sons Ltd. ISSN: 1468-0394 (2015)

DOI: 10.1111/exsy.12100 Scopus: 2-s2.0-84930819621 WoS: 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(12):5032–5046. Elsevier B.V..

ISSN: 0957-4174 (2015)

DOI: 10.1016/j.eswa.2015.02.048

Scopus: 2-s2.0-84939947866 WoS: WOS:000353746900002

6. Chiara Di Francescomarino, Chiara Ghidini, and Marco Rospocher. Evaluating Wiki Collaborative Features in Ontology Authoring. *IEEE Transactions on Knowledge and Data Engineering*, vol. 26(12):2997–3011. IEEE. ISSN: 1041-4347 (2014)

DOI: 10.1109/TKDE.2014.2312325 Scopus: 2-s2.0-84910032865 WoS: WOS:000344993900011

5. Chiara Ghidini, Chiara Di Francescomarino, **Marco Rospocher**, Paolo Tonella, and Luciano Serafini. Semantics-Based Aspect-Oriented Management of Exceptional Flows in Business Processes. *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, vol. 42(1):25–37. IEEE. ISSN: 1094-6977 (2012)

DOI: 10.1109/TSMCC.2011.2138133

Scopus: 2-s2.0-84655162200 WoS: WOS:000298300200004

- 4. Chiara Ghidini, **Marco Rospocher**, and Luciano Serafini. Modeling in a Wiki with MoKi: Reference Architecture, Implementation, and Usages. *International Journal On Advances in Life Sciences*, vol. 4(3&4):111–124. IARIA. ISSN: 1942-2660 (2012) URL: https://www.iariajournals.org/life_sciences/tocv4n34.html
- 3. Marco Rospocher, Sara Tonelli, Luciano Serafini, and Emanuele Pianta. Corpus-based Terminological Evaluation of Ontologies. *Applied Ontology*, vol. 7(4):429–448. IOS Press. ISSN: 1570-5838; 1875-8533 (2012)

DOI: 10.3233/A0-2012-0114 Scopus: 2-s2.0-84872457931 WoS: 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(4):261–295. John Wiley & Sons Ltd. ISSN: 1532-0618 (2011)

DOI: 10.1002/smr.525

Scopus: 2-s2.0-79956161089 WoS: WOS:000290859800004

1. Romeo Rizzi and Marco Rospocher. Covering partially directed graphs with directed paths. *Discrete Mathematics*, vol. 306(13):1390–1404. Elsevier B.V.. ISSN: 0012-365X (2006)

DOI: 10.1016/j.disc.2006.01.024

Scopus: 2-s2.0-33744987451 WoS: WOS:000238851700012

2.4.3 Book Chapters

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

DOI: 10.57749/wtfr-y339

5. Francesco Corcoglioniti, Marco Rospocher, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. The KnowledgeStore: A Storage Framework for Interlinking Unstructured and Structured Knowledge. In *Information Retrieval and Management: Concepts, Methodologies, Tools, and Applications*, pages 686–721. IGI Global. ISBN: 9781522551911 (2018)

DOI: 10.4018/978-1-5225-5191-1.ch030

Scopus: 2-s2.0-85045866067

- 4. Francesco Corcoglioniti, Marco Rospocher, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Managing Large Volumes of Interlinked Text and Knowledge With the Knowledge-Store. In Miltiadis D. Lytras, Naif R Aljohani, Ernesto Damiani, and Kwok Tai Chui (editors), Innovations, Developments, and Applications of Semantic Web and Information Systems, chapter 2, pages 32–61. IGI Global. ISBN: 9781522550426; 1522550429; 9781522550433 (2018) DOI: 10.4018/978-1-5225-5042-6.ch002
- 3. Alessio Palmero Aprosio, Francesco Corcoglioniti, Mauro Dragoni, and Marco Rospocher. Supervised Opinion Frames Detection with RAID. In Fabien Gandon, Elena Cabrio, Milan Stankovic, and Antoine Zimmermann (editors), Semantic Web Evaluation Challenges, pages 251–263. Springer International Publishing. ISBN: 978-3-319-25517-0 (2015)

Semantic Sentiment Analysis Award (Task 3 - Frame entities Identification) at the Semantic Web Evaluation

DOI: 10.1007/978-3-319-25518-7_22

Scopus: 2-s2.0-84951325878 WoS: WOS:000369663000022

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

DOI: 10.1007/978-3-642-19510-5 12

 Claudio Eccher, Antonella Ferro, Andreas Seyfang, Marco Rospocher, and Silvia Miksch. Modeling Clinical Protocols Using Semantic MediaWiki: The Case of the Oncocure Project. In David Riaño (editors), Knowledge Management for Health Care Procedures: ECAI 2008 Workshop, K4HelP 2008, Patras, Greece, July 21, 2008, Revised Selected Papers, pages 42–54. Springer. ISBN: 978-3-642-03261-5 (2008)

DOI: 10.1007/978-3-642-03262-2_4

Scopus: 2-s2.0-70350380476 WoS: WOS:000270024300004

2.4.4 Conferences

52. Marco Bombieri, **Marco Rospocher**, Simone Paolo Ponzetto, and Paolo Fiorini. The Robotic Surgery Procedural Framebank. In *Proceedings of the Language Resources and Evaluation Conference*, pages 3950–3959. European Language Resources Association (2022)

URL: https://aclanthology.org/2022.lrec-1.420

Scopus: 2-s2.0-85144346394 WoS: WOS:000889371704006

51. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. VTKEL: A resource for Visual-Textual-Knowledge Entity Linking. In *Proceedings of the 35th Annual ACM Symposium on Applied Computing*, pages 2021–2028 (2020)

DOI: 10.1145/3341105.3373958 Scopus: 2-s2.0-85083037406 WoS: WOS:000569720900277

50. Shahi Dost, Luciano Serafini, Marco Rospocher, Lamberto Ballan, and Alessandro Sperduti. Jointly Linking Visual and Textual Entity Mentions with Background Knowledge. In Elisabeth Métais, Farid Meziane, Helmut Horacek, and Philipp Cimiano (editors), Natural Language Processing and Information Systems - 25th International Conference on Applications of Natural Language to Information Systems, NLDB 2020, Saarbrücken, Germany, June 24-26, 2020, Proceedings, vol. 12089 of Lecture Notes in Computer Science, pages 264–276. Springer (2020)

Scopus: 2-s2.0-85087532006 WoS: WOS:000884363500024

DOI: 10.1007/978-3-030-51310-8 24

49. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. On Visual-Textual-Knowledge Entity Linking. In 14th IEEE International Conference on Semantic Computing (IEEE-ICSC), pages 190–193 (2020)

DOI: 10.1109/ICSC.2020.00039 Scopus: 2-s2.0-85083462229 WoS: WOS:000565450400031

48. Shahi Dost, Luciano Serafini, **Marco Rospocher**, Lamberto Ballan, and Alessandro Sperduti. VT-LINKER: Visual-Textual-Knowledge Entity Linker. In *ECAI 2020: 24th European Conference on Artificial Intelligence*, vol. 325 of *Frontiers in Artificial Intelligence and Applications*, pages 2897–2898. IOS Press (2020)

DOI: 10.3233/FAIA200442 Scopus: 2-s2.0-85091769080 WoS: WOS:000650971303068

- 47. Matteo Lorenzini, **Marco Rospocher**, and Sara Tonelli. Computer-Assisted Curation of Digital Cultural Heritage Resources. In *Digital Humanities 2019 (DH2019)* (2019)
- 46. Marco Rospocher. An Ontology-Driven Probabilistic Soft Logic Approach to Improve NLP Entity Annotations. In Denny Vrandecic, Kalina Bontcheva, Mari Carmen Suárez-Figueroa, Valentina Presutti, Irene Celino, Marta Sabou, Lucie-Aimée Kaffee, and Elena Simperl (editors), The Semantic Web ISWC 2018 17th International Semantic Web Conference, Monterey, CA, USA, October 8-12, 2018, Proceedings, Part I, vol. 11136 of Lecture Notes in Computer Science, pages 144–161. Springer (2018)

DOI: 10.1007/978-3-030-00671-6_9

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- 16. Stefano Borgo, Loris Bozzato, Alessio Palmero Aprosio, **Marco Rospocher**, and Luciano Serafini. A Contextual Framework for Reasoning on Events. In *DeRiVE2015 Workshop Proceedings*, vol. 1363 of *CEUR Proceedings*, pages 47—57. CEUR-WS.org. ISSN: 1613-0073 (2015)

URL: http://ceur-ws.org/Vol-1363/paper_6.pdf

Scopus: 2-s2.0-84931457960

15. Matteo Matassoni, Marco Rospocher, Mauro Dragoni, and Paolo Bouquet. Authoring OWL2 ontologies with the TeX-OWL syntax. In *OWLED 2014 - OWL: Experiences and Directions Workshop 2014*, vol. 1265 of *CEUR Proceedings*, pages 133–138. CEUR-WS.org. ISSN: 1613-0073 (2014)

URL: http://ceur-ws.org/Vol-1265/owled2014_submission_8.pdf

Scopus: 2-s2.0-84909600081

14. Ian Hopkinson, Steve Maude, and **Marco Rospocher**. A Simple API to the KnowledgeStore. In *Proc. of ISWC Developers Workshop colocated with 13th Int. Semantic Web Conference (ISWC'14)*, Riva del Garda, Italy, vol. 1268 of CEUR Proceedings, pages 7–12. CEUR-WS.org. ISSN: 1613-0073 (2014)

 $URL: \ \mathsf{http://ceur-ws.org/Vol-1268/paper2.pdf}$

Scopus: 2-s2.0-84908699082

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

URL: http://ceur-ws.org/Vol-1268/paper9.pdf

Scopus: 2-s2.0-84908673461

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

URL: http://ceur-ws.org/Vol-1279/iesd14_3.pdf

Scopus: 2-s2.0-84939632833

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DOI: 10.1109/DEXA.2012.28 Scopus: 2-s2.0-84869474193 WoS: WOS:000312658400047

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URL: http://ceur-ws.org/Vol-919/paper6.pdf

Scopus: 2-s2.0-84892519181

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

DOI: 10.1007/978-3-642-33412-2_36

Scopus: 2-s2.0-84870942008

- 8. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospocher**, Luciano Serafini, and Paolo Tonella. Semantically-aided business process modeling. In 6th Workshop on Semantic Web Applications and Perspectives Bressanone, Italy- Sep. 21-22, 2010 (2010) Scopus: 2-s2.0-84874270508
- 7. Leo Wanner, Harald Bosch, Nadjet Bouayad-Agha, Ulrich Bügel, Gerard Casamayor, Thomas Ertl, Ari Karppinen, Ioannis Kompatsiaris, Tarja Koskentalo, Simon Mille, Jürgen Moßgraber, Anastasia Moumtzidou, Maria Myllynen, Emanuele Pianta, Marco Rospocher, Horacio Saggion, Luciano Serafini, Virpi Tarvainen, Sara Tonelli, Thomas Usländer, and Stefanos Vrochidis. Service-Based Infrastructure for User-Oriented Environmental Information Delivery. In Proceedings of the Workshop on Environmental Information Systems and Services Infrastructures and Platforms, vol. 679 of CEUR Proceedings. CEUR-WS.org. ISSN: 1613-0073 (2010) URL: http://ceur-ws.org/Vol-679/paper1.pdf

Scopus: 2-s2.0-84890088214

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

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

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

URL: http://CEUR-WS.org/Vol-514/paper8.pdf

Scopus: 2-s2.0-84891422809

3. Marco Rospocher, Chiara Di Francescomarino, Chiara Ghidini, Luciano Serafini, and Paolo Tonella. Collaborative Specification of Semantically Annotated Business Processes. In *Business*

Process Management Workshops: BPM 2009 International Workshops, Ulm, Germany, September 7, 2009. Revised Papers, vol. 43 of Lecture Notes in Business Information Processing, pages 305–317. Springer (2009)

DOI: 10.1007/978-3-642-12186-9_29

Scopus: 2-s2.0-77953989235 WoS: WOS:000280489400029

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

URL: http://ceur-ws.org/Vol-426/swap2008_submission_62.pdf

Scopus: 2-s2.0-84874247019

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

2.4.6 Edited Works

10. Mauro Dragoni and Marco Rospocher. Special Track on Knowledge and Natural Language Processing (Editorial). Proceedings of the 37th ACM/SIGAPP Symposium on Applied Computing of SAC '22. Association for Computing Machinery. ISBN: 9781450387132 (2022)

DOI: 10.1145/3535434

Scopus: 2-s2.0-85130389497

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

DOI: 10.1145/3462420

Scopus: 2-s2.0-85104930278

8. Mauro Dragoni and Marco Rospocher. Special Track on Knowledge and Language Processing (Editorial). Proceedings of the 35th Annual ACM Symposium on Applied Computing (SAC 2020), Brno, Czech Republic, March 30-April 3, 2020. ACM (2020)

DOI: 10.1145/3389659

Scopus: 2-s2.0-85083050300

7. Mauro Dragoni and Marco Rospocher. Special Track on Knowledge and Language Processing (Editorial). Proceedings of the 34th Annual ACM Symposium on Applied Computing (SAC 2019), Limassol, Cyprus, 8-12 April 2019. ACM. ISBN: 978-1-4503-5933-7 (2019)

DOI: 10.1145/3329375

Scopus: 2-s2.0-85065638961

6. Mauro Dragoni and Marco Rospocher. Applied cognitive computing: challenges, approaches, and real-world experiences. *Progress in Artificial IntelligenceVol.* 7. ISSN: 2192-6360 (2018) DOI: 10.1007/s13748-018-0166-4

Scopus: 2-s2.0-85054604553 WoS: WOS:000447264800001

5. Mauro Dragoni and Marco Rospocher. Special Track on Cognitive Computing (Editorial). Proceedings of the 33rd Annual ACM Symposium on Applied Computing (SAC 2018), Pau, France, 9-13 April 2018. ACM. ISBN: 978-145035191-1 (2018)

DOI: 10.1145/3258634

Scopus: 2-s2.0-85050515553

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)

URL: http://ceur-ws.org/Vol-2249/ Scopus: 2-s2.0-85057823289

3. Mauro Dragoni and Marco Rospocher. Special Track on Cognitive Computing (Editorial). Proceedings of the 32nd Annual ACM Symposium on Applied Computing (SAC 2017), Marrakesh, Morocco, 4-6 April 2017. ACM. ISBN: 978-145034486-9 (2017)

DOI: 10.1145/3243944

Scopus: 2-s2.0-85020863106

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)

URL: 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)

URL: http://ceur-ws.org/Vol-1272/ Scopus: 2-s2.0-84921889682

2.5Presentations

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, Cali-

fornia, US Oct 4, 2018

Slides: https://marcorospocher.com/files/slides/2018semdeep4_slides.pdf

• KnowledgeStore

NewsReader Workshop - Amsterdam Public Library, Amsterdam, Netherlands

Nov 21, 2015

Slides: https://marcorospocher.com/files/slides/2015nwr_slides.pdf

• An Ontological Framework for Decision Support

Ontology Summit Track C session on Decision Making in Different Domains - Virtual Meeting Mar $19,\,2015$

Slides: https://marcorospocher.com/files/slides/2015ontosum_slides.pdf

• Dati e Ricerca

Beni comuni digitali: una risorsa per il territorio, le istituzioni e i cittadini di oggi e domani - Riva del Garda, Italy

Mar 18, 2015

Slides: https://marcorospocher.com/files/slides/2015dati_slides.pdf

• KnowledgeStore

Workshop on Deep and Large-Scale Semantic Processing: The Way Ahead - Trento, Italy Mar 10, 2015

Slides: https://marcorospocher.com/files/slides/2015jpn slides.pdf

• Semantic Management in PESCaDO

PESCaDO Final Event - UPF, Barcelona, Spain

Feb 14, 2012

Slides: https://marcorospocher.com/files/slides/2012pescado_slides.pdf

• Collaborative modeling of processes and ontologies

BMIR Research Colloquium - Stanford University, Palo Alto, US

Sep 22, 2011

Slides: https://marcorospocher.com/files/slides/2011bmir_slides.pdf

• Collaborative modeling of processes and ontologies

DERI Open Day - Digital Enterprise Research Institute, Galway, Ireland

Apr 7, 2011

Slides: https://marcorospocher.com/files/slides/2011deri_slides.pdf

• MoKi and the ProDe project

ICT Days - University of Trento, Trento, Italy

Mar 16, 2011

Slides: https://marcorospocher.com/files/slides/2011ict_slides.pdf

• MoKi: the Modelling Wiki

ILIKS Annual Meeting - Trento, Italy

Dec 18, 2009

Slides: https://marcorospocher.com/files/slides/2009iliks_slides.pdf

• Organic Agricolture and MoKi

Organic. Edunet Ontology Workshop Meeting - FAO, Rome, Italy Oct
 $6,\,2009$

• Modelling in APOSDLE

ACTIVE EU Project Meeting - STI, Innsbruck, Austria

Jan 27, 2009

Slides: https://marcorospocher.com/files/slides/2009active_slides.pdf

• On the Computational Complexity of Listing Certificates of NP problems

ITC Seminars - Istituto Trentino di Cultura, Trento, Italy

Oct 18, 2006

Slides: https://marcorospocher.com/files/slides/2006itc_slides.pdf

2.5.2 Conference Talks

• La Traduzione di Schede Terminologiche in Banche Dati di Tipo Rete Lessicale: il caso DIACOM-Fr

XXXI Convegno Associazione Italiana per la Terminologia - Verona, Italy Dec 10, 2021

- Ontologie e locuzioni: modellizzazione di termini complessi nell'ambito del progetto DIACOM XXX Convegno Associazione Italiana per la Terminologia - Bolzano, Italia Oct 15, 2020 - Oct 16, 2020
- An Ontology-Driven Probabilistic Soft Logic Approach to Improve NLP Entity Annotations 17th International Semantic Web Conference, ISWC 2018 - Monterey, CA, USA Oct 8, 2018 - Oct 12, 2018

 $Slides: \ https://marcorospocher.com/files/slides/2018 is wc_research_slides.pdf$

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

 $Slides: \ https://marcorospocher.com/files/slides/2008 is emantics_slides.pdf$

2.5.3 Workshop Talks

• A Simple API to the KnowledgeStore

Developers Workshop at the 13th Int. Semantic Web Conference (ISWC'14) - Riva del Garda, Italy

Oct 19, 2014

Slides: https://marcorospocher.com/files/slides/2014iswcSemDev02_slides.pdf

• MoKi: the Modelling wiKi

SemWiki2009 - Fourth Workshop on Semantic Wikis - Heraklion, Crete, Greece

Jun 1, 2009

Slides: https://marcorospocher.com/files/slides/2009semwiki_slides.pdf

2.5.4 Demo and Poster Presentations

 Towards Integration of Ontology and Text-extracted Data for Event Coreference Reasoning 32nd Annual ACM Symposium on Applied Computing, ACM-SAC2017 - Marrakesh, Morocco Apr 3, 2017 - Apr 7, 2017

Poster: https://marcorospocher.com/files/posters/2017sac_poster.pdf

• Demonstrating the Power of Streaming and Sorting for Non-distributed RDF Processing: RDF-pro

ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA

Oct 11, 2015 - Oct 15, 2015

Poster: https://marcorospocher.com/files/posters/2015iswcdemo2_poster.pdf

• Extracting Knowledge from Text with PIKES

ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA

Oct 11, 2015 - Oct 15, 2015

Poster: https://marcorospocher.com/files/posters/2015iswcdemo1 poster.pdf

Integrating Unstructured and Structured Knowledge with the KnowledgeStore
 19th International Conference on Knowledge Engineering and Knowledge Management, EKAW
 2014 - Linköping, Sweden

Nov 24, 2014 - Nov 28, 2014

Poster: https://marcorospocher.com/files/posters/2014ekawdemo_poster.pdf

• Key-concept Extraction for Ontology Engineering
18th International Conference on Knowledge Engineering and Knowledge Management, EKAW

2012 - Galway, Ireland

Oct 8, 2012 - Oct 12, 2012

Poster: https://marcorospocher.com/files/posters/2012ekawdemo_poster.pdf

• MoKi: a Wiki-Based Conceptual Modeling Tool

EKAW2010 Poster and Demo Track - Lisbona, Portugal

Oct 11, 2010 - Oct 15, 2010

Poster: https://marcorospocher.com/files/posters/2010ekawdemo_2_poster.pdf

• MoKi: The Enterprise Modelling Wiki

6th European Semantic Web Conference, ESWC 2009 - Heraklion, Crete, Greece May 31, 2009 - Jun 4, 2009

Poster: https://marcorospocher.com/files/posters/2009eswcdemo_poster.pdf

• Collaborative Knowledge Engineering via Semantic MediaWiki

16th International Conference on Knowledge Engineering and Knowledge Management Knowledge Patterns, EKAW2008 - Aci Trezza, Italy

Sep 29, 2008 - Oct 3, 2008

Poster: https://marcorospocher.com/files/posters/2008ekaw_poster.pdf

2.6 Abroad Research Stays

Visiting Scholar at the Musen Lab, Stanford Center for Biomedical Informatics Research, Stanford University

Sep 1, 2013 - Dec 31, 2013

Host: Dr. Tania Tudorache, Prof. Dr. Md. Mark Musen

Research Topic: Investigation of collaboration dynamics in different ontology development environments

• Visiting Research Associate at the School of Electrical Engineering and Computer Science, University of Newcastle, NSW, Australia

Jan 15, 2005 - Apr 15, 2005

Host: Prof. Pablo Moscato

Research Topic: Development of combinatorial optimization algorithms for computational biology

2.7 Research Projects

2.7.1 Acquisitions of Research Projects

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

• Inclusive Humanities (MUR Dipartimenti di Eccellenza)

Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere

Jan 1, 2023 - Dec 31, 2027

For: Università degli Studi di Verona

Funding: 6,566,335 Euro

• NewsReader (EU FP7 Strep Project, Grant 316404)

Building structured event indexes of large volumes of financial and economic data for decision making

Jan 1, 2013 - Dec 31, 2015

For: Fondazione Bruno Kessler (FBK)

Funding: 745,000 Euro

• ePlanning (Progetto Di Ricerca Applicata, Finanziato dalla Provincia di Trento ai sensi della L.P. 13.12.1999, n. 6, art. 5)

Sistema esperto per la creazione di progetti educativo-didattici per alunni con Bisogni Educativi Speciali

Jan 1, 2012 - Dec 31, 2013

For: Fondazione Bruno Kessler (FBK)

Funding: 114,000 Euro

• Organic.Lingua (EU FP7 ICP Project, Grant 270999)

Demonstrating the potential of a multilingual Web portal for Sustainable Agricultural & Environmental Education

Mar 1, 2011 - Feb 28, 2014

For: Fondazione Bruno Kessler (FBK)

Funding: 225,000 Euro

2.7.2 Coordination and Participations in Research Projects

• Inclusive Humanities (MUR Dipartimenti di Eccellenza)

Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere

Jan 1, 2023 - Dec 31, 2027

For: Università degli Studi di Verona

Role: Team Leader of Infrastructures, Director of DAIH center, Coordination of the research actitivities on Computer Science and Inclusion

• NexusLinguarum (COST Action, CA18209)

European network for Web-centred linguistic data science

Jan 1, 2019 - Dec 31, 2023

Web-site: https://nexuslinguarum.eu/

Role: Member of Working Groups WG1 & WG2

• Le Digital Humanities applicate alle lingue e letterature straniere (MIUR Dipartimenti di Eccellenza)

Jan 1, 2018 - Dec 31, 2022

Web-site: https://dh.dlls.univr.it/ For: Università degli Studi di Verona

Role: Team Leader of Infrastructures (Spazi e Piattaforme Digitali)

• NewsReader (EU FP7 Strep Project, Grant 316404)

Building structured event indexes of large volumes of financial and economic data for decision making

Jan 1, 2013 - Dec 31, 2015

Web-site: https://cordis.europa.eu/project/rcn/106026 en.html

For: Fondazione Bruno Kessler (FBK)

Role: Project Leader for FBK (FBK personnel involved: 13); Work Package 6 Leader; full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit; principal investigator of the research and development activities on the KnowledgeStore

• ePlanning (Progetto Di Ricerca Applicata, Finanziato dalla Provincia di Trento ai sensi della L.P. 13.12.1999, n. 6, art. 5)

Sistema esperto per la creazione di progetti educativo-didattici per alunni con Bisogni Educativi Speciali

Jan 1, 2012 - Dec 31, 2013

For: Fondazione Bruno Kessler (FBK)

Role: Project Leader for FBK (FBK personnel involved: 6); full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit

• PESCaDO (EU FP7 Strep Project, Grant 248594)

Personalized Environmental Service Configuration and Delivery Orchestration

Jan 1, 2010 - Dec 31, 2012

Web-site: https://cordis.europa.eu/project/rcn/93834_en.html

For: Fondazione Bruno Kessler (FBK)

Role: Project Leader for FBK (FBK personnel involved: 5); Work Package 5 Leader; full coordination of the activities (admin, research, development) of the FBK Data and Knowledge Management research unit; principal investigator of the research and development activities on semantic technologies (ontology and reasoning)

• APOSDLE (EU FP6 IP Project, Grant 027023)

Advanced process-oriented self-directed learning environment

Mar 1, 2006 - Feb 28, 2010

Web-site: https://cordis.europa.eu/project/rcn/80574 en.html

For: Fondazione Bruno Kessler (FBK)

Role: Task-level coordination activities; Participation to the research and development activities

2.8 Resources

2.8.1 Tools

• Explicit Lyrics Detectors

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

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

• PSL4EA: Probabilistic Soft Logic for Entity Annotation

An ontological knowledge powered approach based on Probabilistic Soft Logic for jointly revising multiple NLP entity annotations

Web-site: https://pikes.fbk.eu/psl4ea.html

Video: http://videolectures.net/iswc2018_rospocher_ontology_driven_soft/

• JPARK: Joint Posterior Revision of NLP Annotations via Ontological Knowledge

A probabilistic model leveraging ontological knowledge for improving the coherence and revise NLP entity annotations

Web-site: https://pikes.fbk.eu/jpark.html

• KE4IR: Knowledge Extraction for Information Retrieval

An approach that improves the performances of the traditional term-based similarity solution for document retrieval by performing a semantic analysis and enrichment (via PIKES) of the query and the documents

Web-site: https://pikes.fbk.eu/ke4ir.html

Video: http://videolectures.net/eswc2016 rospocher information retrieval/

• PIKES: A Suite for Extracting Knowledge from Text

A framework for extracting knowledge graphs from natural language text

Web-site: https://pikes.fbk.eu/

Video: https://www.youtube.com/embed/D0mcnUKc3sg

• KnowledgeStore: Scalable storage for text and RDF data

A scalable, fault-tolerant, and Semantic Web grounded storage system to jointly store, manage, retrieve, and semantically query, both structured and unstructured content

Web-site: https://knowledgestore.fbk.eu

Video: https://www.youtube.com/embed/YVOQaljLta4

• RDFpro: An Extensible Tool for Building Stream-Oriented RDF Processing Pipelines

A public domain, Java command line tool and library for RDF processing

Web-site: https://rdfpro.fbk.eu

Video: https://www.youtube.com/embed/Vd2FCVRL8fk

• MoKi: The modelling wiki

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

• TeX-OWL: A Latex-Style Syntax for authoring OWL 2 ontologies

A new latex-style syntax that can be used to write OWL 2 ontologies

Web-site: https://github.com/dkmfbk/TexOwl

2.8.2 Ontologies

• PreMOn: Predicate Model for Ontologies

A linguistic Linked Data resource representing predicate models such as PropBank, NomBank, VerbNet and FrameNet

Web-site: https://premon.fbk.eu/

• The Event and Situation Ontology (ESO)

A resource which formalizes the pre and post conditions of events and the roles of the entities affected by an event

Web-site: https://github.com/newsreader/eso/

• The PESCaDO Ontology

A modular OWL ontology capable of representing all the content processed and produced by a system providing user-tailored environmental decision support

Web-site: https://marcorospocher.com/backup-resources/pescado/

• The BPMN Ontology

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

2.8.3 Language Models

• SurgicBERTa

A pre-trained language model specific for the English surgical language, i.e., the language used in the surgical domain. SurgicBERTa has been obtained from RoBERTa through continued pre-training with the Masked-Language-Modeling objective on 300k sentences taken from English surgical books and papers, for a total of 7 million words. To the best of our knowledge,

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

2.8.4 Linguistic Resources

• Robotic Surgery Propositional Bank (RSPB)

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

Web-site: https://gitlab.com/altairLab/robotic-surgery-propositional-bank/

2.8.5 Datasets

• Explicit lyrics datasets

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

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

• Surgical Procedural Knowledge Sentences (SPKS)

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

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

- Visual-Textual-Knowledge Entity Linking (VTKEL)
 - VTKEL, derived from Flickr30k-Entities dataset, consists of documents composed of a picture and five corresponding descriptions captioning it. Visual and textual mentions of each picture and captions are annotated and aligned to entities typed with classes from YAGO

Web-site: https://doi.org/10.6084/m9.figshare.7882781.v6

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

Web-site: https://doi.org/10.6084/m9.figshare.13359104.v1

2.9 Professional Services

2.9.1 Journal Editorial Boards

- \bullet Member of the Editorial Board of Information Processing & Management (Elsevier Journal) since: Mar 2, 2020
 - https://www.journals.elsevier.com/information-processing-and-management/editorial-board
- Guest Co-editor of the Special Issue "Knowledge and Language Processing" of Information Processing & Management (Elsevier Journal)
 - The selected articles are published in Volume 57, Issue 6, November 2020 of the journal https://www.sciencedirect.com/journal/information-processing-and-management/vol/57/issue/6
- Guest Co-editor of the Special Issue "Applied Cognitive Computing: Challenges, Approaches, and Real-World Experiences" of Progress In Artificial Intelligence (Springer Journal)

 The selected articles are published in Volume 7, issue 4, December 2018 of the journal https://link.springer.com/journal/13748/volumes-and-issues/7-4

2.9.2 Journal Reviewing

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

Web-site: https://www.iospress.com/catalog/journals/applied-ontology

• Artificial Intelligence (AIJ)

Web-site: https://www.sciencedirect.com/journal/artificial-intelligence

• IEEE Internet Computing (IEEE IC)

Web-site: https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4236

• Information Processing & Management (IP&M)

Web-site: https://www.sciencedirect.com/journal/information-processing-and-management

• Information Systems (IS)

Web-site: https://www.sciencedirect.com/journal/information-systems

• International Journal of Semantic Computing (IJSC)

Web-site: https://www.worldscientific.com/worldscinet/ijsc

- International Journal of Software Engineering and Knowledge Engineering (IJSEKE) Web-site: https://www.worldscientific.com/worldscinet/ijseke
- Journal of Data Semantics (JDS)

Web-site: https://link.springer.com/journal/13740/volumes-and-issues

• Journal of Information Science (JIS)

Web-site: https://journals.sagepub.com/home/jis

• Journal of Web Semantics (JWS)

Web-site: https://www.sciencedirect.com/journal/journal-of-web-semantics

• Natural Language Engineering (NLE)

Web-site: https://www.cambridge.org/core/journals/natural-language-engineering

• PeerJ Computer Science

Web-site: https://peerj.com/computer-science/

• Semantic Web Journal (SWJ)

Web-site: https://www.semantic-web-journal.net/

• Umanistica Digitale (UD)

Web-site: https://umanisticadigitale.unibo.it/

2.9.3 Conference / Workshop Organization

• Co-chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 39th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2024)

Apr 8, 2024 - Apr 12, 2024

Avila, Spain

https://klp.fbk.eu

• Co-chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 38th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2023)

Mar 27, 2023 - Mar 31, 2023

Tallinn, Estonia

https://klp.fbk.eu

• Co-chair of the special track on Knowledge and Natural Language Processing (KNLP) at the 37th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2022)

Apr 25, 2022 - Apr 29, 2022

Brno, Czech Republic

https://doi.org/10.1145/3535434

• Co-chair of the special track on Knowledge and Language Processing (KLP) at the 36th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2021)

Mar 22, 2021 - Mar 26, 2021

Gwangju, South Korea / Virtual

https://doi.org/10.1145/3462420

• Co-chair of the special track on Knowledge and Language Processing (KLP) at the 35th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2020)

Mar 30, 2020 - Apr 3, 2020

Brno, Czech Republic / Virtual

https://doi.org/10.1145/3389659

• Co-chair of the special track on Knowledge and Language Processing (KLP) at the 34th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2019)

Apr 8, 2019 - Apr 12, 2019

Limassol, Cyprus

https://doi.org/10.1145/3329375

• Co-chair of Doctoral Consortium of the 17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018)

Nov 20, 2018 - Nov 23, 2018

Trento, Italy

https://ceur-ws.org/Vol-2249/

• Co-chair of the special track on Cognitive Computing (CoCo) at the 33rd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2018)

Apr 9, 2018 - Apr 13, 2018

Pau, France

https://doi.org/10.1145/3258634

• Co-chair of the special track on Cognitive Computing (CoCo) at the 32nd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2017)

Mar 27, 2017 - Mar 31, 2017

Marrakech, Morocco

https://doi.org/10.1145/3243944

• Co-chair of the 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015), co-located with ESWC2015

May 31, 2015 - May 31, 2015

Portoroz, Slovenia

https://ceur-ws.org/Vol-1363/

• Co-Chair of the Posters and Demos track of the 13th International Semantic Web Conference (ISWC2014)

Oct 19, 2014 - Oct 23, 2014

Riva del Garda, Italy

https://ceur-ws.org/Vol-1272/

2.9.4 Conference / Workshop Program Committees

- International Joint Conference on Artificial Intelligence (IJCAI): 2018, 2019, 2020
- AAAI Conference on Artificial Intelligence (AAAI): 2018, 2019, 2020, 2021, 2023
- The Web Conference (WWW) [formerly: International World Wide Web Conference]
 - Semantics and Knowledge (Research Track): 2019, 2020
 - Web Content Analysis, Semantics, and Knowledge (Research Track): 2018
 - Posters Track: 2016
- International Semantic Web Conference (ISWC)
 - Research Track: 2014, 2015, 2016, 2017, 2018, 2019 (SPC), 2020, 2021, 2022, 2023
 - Resource Track: 2017, 2020
 - InUse & Software Track: 2015
 - InUse Track: 2012, 2013, 2014
 - Doctoral Consortium: 2019
 - Journal Track: 2019
 - Posters and Demos Track: 2009, 2014, 2015
- Annual Meeting of the Association for Computational Linguistics (ACL)
 - Resources and Evaluation Track: 2019
- European Conference on Artificial Intelligence (ECAI): 2020
- Information Processing & Management Conference (IP&MC): 2022
- International Conference on Knowledge Engineering and Knowledge Management (EKAW)
 - Research Track: 2012, 2014, 2016, 2018

- PhD Symposium (+ Mentoring): 2012, 2014
- Joint Conference on Lexical and Computational Semantics (*SEM)
 - Lexical resources, linked data, ontologies Track: 2017
- European/Extended Semantic Web Conference (ESWC)
 - Main PC: 2017
 - Ontology Track: 2012
 PhD Mentor: 2016
 Posters & Demos: 2010
- International Conference on Formal Ontology in Information Systems (FOIS)
 - Early Career Symposium: 2014
- IEEE International Conference on Semantic Computing (IEEE-ICSC): 2012, 2013, 2014, 2015, 2016, 2017, 2018
- Language Resources and Evaluation Conference (LREC): 2016, 2018, 2020, 2022
- Conference on Language, Data and Knowledge (LDK): 2019, 2021, 2023
- International Conference of the Italian Association for Artificial Intelligence (AIxIA): 2023
- International Conference on Semantic Systems (I-SEMANTICS): 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018
- International Conference on Ambient Systems, Networks and Technologies (ANT): 2023
- Italian Conference on Computational Linguistics (CLIC-it): 2021
- Convegno Annuale dell'Associazione per l'Informatica Umanistica e la Cultura Digitale (AIUCD): 2020
- PhD Conference Past, History and Memory in Language and Literary Studies (University of Verona): 2022
- International Conference on Bio-inspired Information and Communications Technologies (BICT): 2014
- International Workshop on Sentiment Analysis & Linguistic Linked Data (SALLD): 2021
- International Workshop on Multisensory Data & Knowledge (MDK): 2021
- International Workshop on Personalization in eGovernment Services and Applications (PEGOV): 2013, 2014, 2015
- Joint OWL Experiences and Directions Workshop (OWLED) and OWL Reasoner Evaluation Workshop (ORE): 2016
- OWL: Experiences and Directions Workshop (OWLED): 2015
- Open Knowledge Base and Question Answering Workshop (OKBQA): 2016
- International Workshop on Ontology Content (OnToContent): 2012, 2013, 2014, 2015
- Workshop on the Contextual Representation of Objects and Events in Language (CREOL): 2017
- International Conference on Building and Exploring Web Based Environments (WEB): 2014, 2015, 2016

- International Conference on Advances in Semantic Processing (SEMAPRO): 2013, 2014, 2015, 2016
- Workshop on Natural Language for Artificial Intelligence (NL4AI): 2017
- International Workshop on Environmental Multimedia Retrieval: 2014, 2015
- Workshop on Semantic Web and Information Extraction (SWAIE): 2013, 2014
- International Symposium on Intelligent Informatics (ISI): 2013
- International Workshop on Vocabularies, Ontologies and Rules for the Enterprise and Beyond (VORTE): 2013
- International Conference on Artificial Intelligence, Methodology, Systems, Applications (AIMSA): 2012
- International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS): 2012
- Workshop on Context, Information And Ontologies (CIAO): 2010

2.10 Scientific Consulting & Collaborations as expert

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

3 Teaching Activities

3.1 Membership of Ph.D. Programme/School Committees

• Teaching Committee for the PhD Programme in Computer Science (University of Verona) since: Apr 1, 2023

PhD Cycles: 39

• Teaching Committee for the PhD Programme in Foreign Languages and Literatures (University of Verona)

Oct 1, 2021 - Mar 31, 2023

PhD Cycles: 37, 38

• Teaching Committee for the PhD Programme in Foreign Languages, Literatures and Linguistics (University of Verona)

Mar 15, 2019 - Sep 30, 2021

PhD Cycles: 35, 36

3.2 Membership of Ph.D. Examination Committees

• 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

3.3 Supervision of Ph.D. Theses

• Roxane Segers

Formalizing Events for Detecting Implicit Event Information in Natural Language Text

Vrije Universiteit Amsterdam

since: May 8, 2018

(with Piek Vossen)

• 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)

• Matteo Lorenzini

Metadata Quality Evaluation in Cultural Heritage Domain

University of Trento

Nov 1, 2017 - Feb 15, 2022

(with Sara Tonelli)

• Giulio Petrucci

Learning to Learn Concept Descriptions

University of Trento

Nov 1, 2013 - Sep 21, 2018

(with Chiara Ghidini)

• Francesco Corcoglioniti

Frame-based Ontology Population from Text: Models, Systems and Applications

University of Trento

Nov 1, 2012 - Apr 21, 2016

(with Luciano Serafini)

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

• Master's degree in Computer Science, University of Trento:

Rakebul Hasan (2009), Nahid E Mahbub (2009), Md Kamrul Hasan (2009), Musawar Saeed (2009), Matteo Matassoni (2014)

• LCT European Masters Program, University of Trento:

Yiqing Liang (2017)

• Master's degree in Linguistics, University of Verona:

Samaneh Eksir (2023)

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

Beatrice Giacomazzi (2019), Francesca Tosato (2019), Silvia Cavazza Ceccato (2020), Michela Pecora (2020), Gaia Tacchini (2020), Irina Casian (2020), Erica Fattori (2020), Elisa Benedetti (2021)

- Bachelor's degree in Computer Science, University of Trento: Marco Spanò (2018)
- Bachelor's degree in Languages and Cultures for Publishing, University of Verona: Arianna Zanrossi (2020), Federica Pampalone (2020), Francesca Tirapelle (2020), Isabella Jaforte (2021), Martina Zanetti (2021), Ester Marchi (2021), Beatrice Vanoli (2021), Chiara Lazzari (2022), Daniela Xhupi (2022), Clarita Ferri (2022)
- Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona:

Rebecca Guolo (2022), Amedeo Onnis (2022)

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

3.5 Supervision of Stages / Internship

- post-Master Research Internships (FBK, Trento): Gianluca Maguolo (2018)
- LCT European Masters Program, University of Trento: Yiqing Liang (2017)
- Master's degree in Computer Science, University of Trento: Nahid E Mahbub (2009), Md Kamrul Hasan (2009)
- Bachelor's degree in Computer Science, University of Trento: Gianluca Apriceno (2015), Enrico Magnago (2015), Alessio Scussel (2016)
- Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona:

Jasmine Touarsa (2021), Marta Cafà (2021)

3.6 Lectureship

- 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

- Python programming language

Hours: 16, CFU: 4

Ph.D. School, University of Verona, Italy

• Academic Year 2021-2022:

- Introduction to Digital Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Programming Languages for the Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Databases and Information Systems for the Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Crash course on Python programming for the Humanities

Hours: 12, CFU: 3

Ph.D. programme in Foreign Languages and Literatures + Ph.D. programme in Linguistics, University of Verona, Italy

• Academic Year 2020-2021:

Introduction to Digital Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Programming Languages for the Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Digital Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Cultures for Publishing, University of Verona, Italy

- Natural Language Processing for analyzing written textual resources

Hours: 4, CFU: 1

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

Semantic Web and Linked Data technologies for the humanities

Hours: 4, CFU: 1

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

- Working with Textual Files: Encodings and Regular Expressions

Hours: 4, CFU: 1

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

• Academic Year 2019-2020:

- Introduction to Digital Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Literatures for Publishing and Digital Media, University of Verona, Italy

- Digital Humanities

Hours: 36, CFU: 6, SSD: INF/01

Bachelor's degree in Languages and Cultures for Publishing, University of Verona, Italy

- Electronic commerce

Hours: 36, CFU: 6, SSD: INF/01

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

 A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research

Hours: 12, CFU: 3

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

The eXtensible Markup Language (XML) and the Textual Encoding Initiative (TEI): standards for text representation in the humanities

Hours: 2, CFU: 0.5

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

• Academic Year 2018-2019:

- Electronic commerce (A-L)

Hours: 36, CFU: 6, SSD: INF/01

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

- Electronic commerce (M-Z)

Hours: 36, CFU: 6, SSD: INF/01

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

 A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research

Hours: 12, CFU: 3

Ph.D. programme in Foreign Literatures, Languages and Linguistics, University of Verona, Italy

• Other Lectureship Activities:

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

4 Institutional Appointments and Selection Committees

4.1 Department appointments

• Coordination of IT technicians within the department for the development of the departmental digital platforms

since: Dec 28, 2018

• Member of the research committee of the department

since: Dec 15, 2021

4.2 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 INF/01 (Computer Science) teaching contracts of the Departement of Foreign Languages and Literatures, University of Verona since: Dec 28, 2018
- Member of the work 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

4.3 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)
- Research grants: AdR3339/19 (University of Verona), AdR3607/20 (University of Verona), AdR3634/20 (University of Verona), AdR3792/21 (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)