

# Curriculum Vitae

Marco Rospoche

Aggiornato: 20 marzo 2023

## 1 Informazioni Generali

### 1.1 Dati Personali

COGNOME: Rospoche

NOME: Marco

NAZIONALITÀ: Italiana

AFFILIAZIONE: Dipartimento di Lingue e Letterature Straniere, Università degli Studi di Verona

EDIFICIO: Palazzo di Lingue, Primo Piano, Stanza 1.12

INDIRIZZO: Lungadige Porta Vittoria, 41 – I-37129 Verona – Italy

MAPPA: <https://goo.gl/maps/8axyVxuDBhJu3uZz5>

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HOME PAGE: <https://marcorospoche.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/Rospoche:Marco>

ORCID: <https://orcid.org/0000-0001-9391-3201>

GITHUB: <https://github.com/rospoche>

### 1.2 Istruzione

- Dottorato in Informatica e Telecomunicazioni  
ICT School, Università di Trento, Italia  
31 mar 2006  
Tesi: On the computational complexity of enumerating certificates of NP problems  
Relatore: Prof. Romeo Rizzi  
Manoscritto: <https://marcorospoche.com/files/phd/2006phd.pdf>
- Laurea in Matematica  
Università di Trento, Italia  
27 mar 2002  
Tesi: All-Pairs and Matching-like Shortest Paths Algorithms  
Relatore: Prof. Romeo Rizzi  
Voto Finale: 110/110 cum Laude  
Note: Titolo conseguito entro la durata legale (4 anni) del corso di studi

### **1.3 Abilitazione Scientifica Nazionale**

- Abilitazione Scientifica Nazionale a svolgere le funzioni di professore di II fascia nel settore concorsuale 01/B1 (Informatica)  
5 dic 2017  
<https://asn16.cineca.it/pubblico/miur/esito-abilitato/01%252FB1/2/3>
- Abilitazione Scientifica Nazionale a svolgere le funzioni di professore di II fascia nel settore concorsuale 09/H1 (Sistemi di Elaborazione Delle Informazioni)  
5 dic 2017  
<https://asn16.cineca.it/pubblico/miur/esito-abilitato/09%252FH1/2/3>

### **1.4 Occupazione Attuale**

Professore Associato S.S.D. INF/01 (Informatica) presso il Dipartimento di Lingue e Letterature Straniere dell'Università degli Studi di Verona  
dal: 28 dic 2018

### **1.5 Precedenti Esperienze di Ricerca e Lavoro**

#### **1.5.1 Precedenti Esperienze di Ricerca e Lavoro**

- Ricercatore presso la Fondazione Bruno Kessler (FBK), Trento, Italia  
8 mag 2007 - 27 dic 2018
- Sviluppatore Software alla S.a.i.tec. Srl c/o Phoenix Informatica Bancaria SpA, Trento, Italia  
1 ago 2006 - 7 mag 2007

#### **1.5.2 Borse di Ricerca**

- Borsa di Ricerca presso il Dipartimento di Ingegneria e Scienza dell'Informazione (DISI), Università di Trento  
1 nov 2005 - 31 mar 2006
- Borsa di Ricerca presso il Dipartimento di Ingegneria e Scienza dell'Informazione (DISI), Università di Trento  
1 mag 2002 - 30 dic 2002

#### **1.5.3 Borsa di Dottorato**

- Dottorando (con Borsa) presso l'ICT School dell'Università di Trento  
1 nov 2002 - 31 ott 2005

## **2 Attività di Ricerca e Titoli Relativi**

### **2.1 Interessi di Ricerca**

Intelligenza Artificiale, Estrazione di Conoscenza, Semantic Web, Rappresentazione della Conoscenza e Ragionamento Automatica, Elaborazione del Linguaggio Naturale, Informatica Umanistica, Apprendimento Automatico, Reti Neurali, Metodologie e Strumenti per l'Acquisizione Collaborativa della Conoscenza, Complessità Computazionale, Teoria dei Grafi, Ottimizzazione Combinatoria

## 2.2 Premi

- Best Research Paper Award alla IEEE 18th International Enterprise Distributed Object Computing Conference EDOC2014 (September 1-5, 2014 - Ulm, Germany) per il contributo "The Role of Semantic Annotations in Business Process Modelling" (Chiara Di Francescomarino, Marco Rospocher, Chiara Ghidini, Andrea Valerio)  
Certificato: <https://marcorospocher.com/files/awards/2014edoc.pdf>
- Runner-up Prize alla Ontology Competition della 8th International Conference on Formal Ontology in Information Systems FOIS2014 (September 22-26, 2014 - Rio de Janeiro, Brasil) per il contributo "An ontology for personalized environmental decision support" (Marco Rospocher)  
Certificato: <https://marcorospocher.com/files/awards/2014fois.pdf>
- Semantic Sentiment Analysis Award (Task 3 - Frame entities Identification) alla Semantic Web Evaluation della 12th European Semantic Web Conference ESWC2015 (May 31-June 4, 2015 - Portoroz, Slovenia) per il contributo "Opinion frame extraction from news corpus" (Francesco Corcoglioniti, Alessio Palmero Aprosio, Marco Rospocher)  
Certificato: <https://marcorospocher.com/files/awards/2015eswccha.pdf>
- Honorable Mention Award alla In-Use Track della 7th International Semantic Web Conference ISWC2008 (October 26-30, 2008 - Karlsruhe, Germany) per il contributo "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 alla 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/>

## 2.3 Pubblicazioni

### 2.3.1 Indicatori Bibliometrici

- Google Scholar
  - Citazioni: 1905
  - H-index: 25
  - i10-Index: 49
- Scopus
  - Citazioni: 1027
  - H-index: 17
  - H-index (escl. auto-citazioni): 16

### 2.3.2 Articoli su Rivista

27. **Marco Rospocher.** Detecting explicit lyrics: a case study in Italian music. *Language Resources and Evaluation* (To appear)  
DOI: 10.1007/s10579-022-09595-3  
Scopus: 2-s2.0-85130242158  
WoS: WOS:000798410500001

26. **Marco Rospoher** and Samaneh Eksir. Assessing Fine-Grained Explicitness of Song Lyrics. *Information*, vol. 14(3). ISSN: 2078-2489 (2023)  
DOI: 10.3390/info14030159  
URL: <https://www.mdpi.com/2078-2489/14/3/159>
25. Marco Bombieri, **Marco Rospoher**, 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: <https://doi.org/10.1016/j.compbimed.2022.106415>  
Scopus: 2-s2.0-85144338000  
WoS: WOS:000900243500001  
URL: <https://www.sciencedirect.com/science/article/pii/S0010482522011234>
24. **Marco Rospoher**. On exploiting transformers for detecting explicit song lyrics. *Entertainment Computing*, vol. 43:100508. ISSN: 1875-9521 (2022)  
DOI: 10.1016/j.entcom.2022.100508  
Scopus: 2-s2.0-85132214046  
WoS: WOS:000822791600001  
URL: <https://www.sciencedirect.com/science/article/pii/S1875952122000325>
23. Shahi Dost, Luciano Serafini, **Marco Rospoher**, Lamberto Ballan, and Alessandro Sperduti. Aligning and linking entity mentions in image, text, and knowledge base. *Data & Knowledge Engineering*. ISSN: 0169-023X (2022)  
DOI: 10.1016/j.datak.2021.101975  
Scopus: 2-s2.0-85123608690  
WoS: WOS:000791242800002  
URL: <https://www.sciencedirect.com/science/article/pii/S0169023X2100094X>
22. Matteo Lorenzini, **Marco Rospoher**, and Sara Tonelli. Automatically evaluating the quality of textual descriptions in cultural heritage records. *International Journal on Digital Libraries*, vol. 22(2):217–231. ISBN: 1432-1300 (2021)  
DOI: 10.1007/s00799-021-00302-1  
Scopus: 2-s2.0-85105217980  
WoS: WOS:000642397400001  
URL: <https://doi.org/10.1007/s00799-021-00302-1>
21. Marco Bombieri, **Marco Rospoher**, Diego Dall’Alba, and Paolo Fiorini. Automatic detection of procedural knowledge in robotic-assisted surgical texts. *International Journal of Computer Assisted Radiology and Surgery*, vol. 16:1287–1295. ISBN: 1861-6429 (2021)  
DOI: 10.1007/s11548-021-02370-9  
Scopus: 2-s2.0-85105190196  
WoS: WOS:000642361700001  
URL: <https://doi.org/10.1007/s11548-021-02370-9>
20. **Marco Rospoher**. Explicit song lyrics detection with subword-enriched word embeddings. *Expert Systems with Applications*, vol. 163. ISSN: 0957-4174 (2021)  
DOI: 10.1016/j.eswa.2020.113749  
Scopus: 2-s2.0-85089102640  
WoS: WOS:000582115400006  
URL: <http://www.sciencedirect.com/science/article/pii/S095741742030573X>

19. Matteo Lorenzini, **Marco Rospo**cher, and Sara Tonelli. On assessing metadata completeness in digital cultural heritage repositories. *Digital Scholarship in the Humanities*, vol. 36(Supplement 2):ii182-ii188. ISSN: 2055-7671 (2021)  
DOI: 10.1093/llc/fqab036  
Scopus: 2-s2.0-85139912523  
WoS: WOS:000756289000016  
URL: [https://academic.oup.com/dsh/article-pdf/36/Supplement\\_2/ii182/41091126/fqab036.pdf](https://academic.oup.com/dsh/article-pdf/36/Supplement_2/ii182/41091126/fqab036.pdf)
18. **Marco Rospo**cher and Francesco Corcoglioniti. Knowledge-driven joint posterior revision of named entity classification and linking. *Journal of Web Semantics*, vol. 65:100617. ISSN: 1570-8268 (2020)  
DOI: 10.1016/j.websem.2020.100617  
Scopus: 2-s2.0-85093703848  
WoS: WOS:000598338300006  
URL: <http://www.sciencedirect.com/science/article/pii/S1570826820300500>
17. Matteo Lorenzini, **Marco Rospo**cher, and Sara Tonelli. Proposta per una valutazione automatica della completeness dei metadati nel contesto delle biblioteche digitali. *DigItalia*, vol. 2:159-167 (2020)  
DOI: 10.36181/digitalia-00023  
URL: <http://digitalia.sbn.it/article/view/2639>
16. **Marco Rospo**cher, Francesco Corcoglioniti, and Mauro Dragoni. Boosting Document Retrieval with Knowledge Extraction and Linked Data. *Semantic Web - Interoperability, Usability, Applicability*, vol. 10(4):753-778. ISSN: 2210-4968 (2019)  
DOI: 10.3233/SW-180325  
Scopus: 2-s2.0-85066428245  
WoS: WOS:000488080900005  
URL: <https://content.iospress.com/articles/semantic-web/sw325>
15. **Marco Rospo**cher, Francesco Corcoglioniti, and Alessio Palmero Aprosio. PreMOn: LODifing Linguistic Predicate Models. *Language Resources and Evaluation*, vol. 53(3):499-524 (2019)  
DOI: 10.1007/s10579-018-9437-8  
Scopus: 2-s2.0-85057966885  
WoS: WOS:000482894600007  
URL: <https://link.springer.com/article/10.1007/s10579-018-9437-8>
14. Giulio Petrucci, **Marco Rospo**cher, and Chiara Ghidini. Expressive Ontology Learning as Neural Machine Translation. *Journal of Web Semantics*, vol. 52-53:66-82. Elsevier B.V.. ISSN: 1570-8268 (2018)  
DOI: 10.1016/j.websem.2018.10.002  
Scopus: 2-s2.0-85056574730  
WoS: WOS:000451072400005  
URL: <https://www.sciencedirect.com/science/article/pii/S1570826818300507>
13. Francesco Corcoglioniti, **Marco Rospo**cher, and Alessio Palmero Aprosio. Frame-Based Ontology Population with PIKES. *IEEE Transactions on Knowledge and Data Engineering*, vol. 28(12):3261-3275. IEEE. ISSN: 1041-4347 (2016)  
DOI: 10.1109/TKDE.2016.2602206  
Scopus: 2-s2.0-84996478366

WoS: WOS:000388214700010

URL: <https://ieeexplore.ieee.org/document/7549111/>

12. Piek Vossen, Rodrigo Agerri, Itziar Aldabe, Agata Cybulska, Marieke van Erp, Antske Fokkens, Egoitz Laparra, Anne-Lyse Minard, Alessio Palmero Aprosio, German Rigau, **Marco Rospo-cher**, and Roxane Segers. NewsReader: Using knowledge resources in a cross-lingual reading machine to generate more knowledge from massive streams of news. *Knowledge-Based Systems*, vol. 110:60–85. Elsevier B.V.. ISSN: 0950-7051 (2016)  
DOI: 10.1016/j.knosys.2016.07.013  
Scopus: 2-s2.0-84978884184  
WoS: WOS:000384384700005  
URL: <http://www.sciencedirect.com/science/article/pii/S0950705116302271>
11. **Marco Rospo-cher**, Marieke van Erp, Piek Vossen, Antske Fokkens, Itziar Aldabe, German Rigau, Aitor Soroa, Thomas Ploeger, and Tessel Bogaard. Building Event-Centric Knowledge Graphs from News. *Web Semantics: Science, Services and Agents on the World Wide Web*, vol. 37–38:132–151. Elsevier B.V.. ISSN: 1570-8268 (2016)  
DOI: 10.1016/j.websem.2015.12.004  
Scopus: 2-s2.0-84994652650  
WoS: WOS:000376457600009  
URL: <http://www.sciencedirect.com/science/article/pii/S1570826815001456>
10. Sofia Cramerotti, Massimo Turrini, Marco Buccio, Silvia Larentis, **Marco Rospo-cher**, Luciano Serafini, Elena Cardillo, and Ivan Donadello. ePlanning: an Ontology-based System for Building Individualized Education Plans for Students with Special Educational Needs. *MED – Media Education*, vol. 6(1):101–110. Edizioni Centro Studi Erickson S.p.a.. ISSN: 2038-3002 (2015)
9. Francesco Corcoglioniti, **Marco Rospo-cher**, Roldano Cattoni, Bernardo Magnini, and Lucia-  
no Serafini. The KnowledgeStore: a Storage Framework for Interlinking Unstructured and  
Structured Knowledge. *International Journal on Semantic Web and Information Systems*, vol.  
11(2):1–35. IGI Global. ISSN: 1552-6283; 1552-6291 (2015)  
DOI: 10.4018/IJSWIS.2015040101  
Scopus: 2-s2.0-84945185646  
WoS: WOS:000370276700001  
URL: <http://www.igi-global.com/article/the-knowledgestore/136832>
8. Leo Wanner, Harald Bosch, Nadjet Bouayad-Agha, Gerard Casamayor, Thomas Ertl, Desiree  
Hilbring, Lasse Johansson, Kostas Karatzas, Ari Karppinen, Ioannis Kompatsiaris, Tarja Ko-  
skentalo, Simon Mille, Jürgen Moßgraber, Anastasia Moutzidou, Maria Myllynen, Emanuele  
Pianta, **Marco Rospo-cher**, Luciano Serafini, Virpi Tarvainen, Sara Tonelli, and Stefanos Vro-  
chidis. Getting the environmental information across: from the Web to the user. *Expert  
Systems*, vol. 32(3):405–432. John Wiley & Sons Ltd. ISSN: 1468-0394 (2015)  
DOI: 10.1111/exsy.12100  
Scopus: 2-s2.0-84930819621  
WoS: WOS:000355958900006  
URL: <https://onlinelibrary.wiley.com/doi/abs/10.1111/exsy.12100>
7. Leo Wanner, **Marco Rospo-cher**, Stefanos Vrochidis, Lasse Johansson, Nadjet Bouayad-Agha,  
Gerard Casamayor, Ari Karppinen, Ioannis Kompatsiaris, Simon Mille, Anastasia Moutzidou,  
and Luciano Serafini. Ontology-centered environmental information delivery for personalized

- decision support. *Expert Systems with Applications*, vol. 42(12):5032–5046. Elsevier B.V.. ISSN: 0957-4174 (2015)  
 DOI: 10.1016/j.eswa.2015.02.048  
 Scopus: 2-s2.0-84939947866  
 WoS: WOS:000353746900002  
 URL: <http://www.sciencedirect.com/science/article/pii/S0957417415001554>
6. Chiara Di Francescomarino, Chiara Ghidini, and **Marco Rospoche**r. Evaluating Wiki Collaborative Features in Ontology Authoring. *IEEE Transactions on Knowledge and Data Engineering*, vol. 26(12):2997–3011. IEEE. ISSN: 1041-4347 (2014)  
 DOI: 10.1109/TKDE.2014.2312325  
 Scopus: 2-s2.0-84910032865  
 WoS: WOS:000344993900011  
 URL: <https://www.computer.org/csdl/journal/tk/2014/12/06776520/13rRUwbs1SV>
  5. Chiara Ghidini, Chiara Di Francescomarino, **Marco Rospoche**r, Paolo Tonella, and Luciano Serafini. Semantics-Based Aspect-Oriented Management of Exceptional Flows in Business Processes. *IEEE Transactions on Systems, Man, and Cybernetics, Part C: Applications and Reviews*, vol. 42(1):25–37. IEEE. ISSN: 1094-6977 (2012)  
 DOI: 10.1109/TSMCC.2011.2138133  
 Scopus: 2-s2.0-84655162200  
 WoS: WOS:000298300200004  
 URL: <https://ieeexplore.ieee.org/document/5766767/>
  4. Chiara Ghidini, **Marco Rospoche**r, 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](https://www.iariajournals.org/life_sciences/tocv4n34.html)
  3. **Marco Rospoche**r, Sara Tonelli, Luciano Serafini, and Emanuele Pianta. Corpus-based Terminological Evaluation of Ontologies. *Applied Ontology*, vol. 7(4):429–448. IOS Press. ISSN: 1570-5838; 1875-8533 (2012)  
 DOI: 10.3233/AO-2012-0114  
 Scopus: 2-s2.0-84872457931  
 WoS: WOS:000312382000004  
 URL: <https://content.iospress.com/articles/applied-ontology/ao114>
  2. Chiara Di Francescomarino, Chiara Ghidini, **Marco Rospoche**r, Luciano Serafini, and Paolo Tonella. A framework for the collaborative specification of semantically annotated business processes. *Journal of Software Maintenance and Evolution: Research and Practice*, vol. 23(4):261–295. John Wiley & Sons Ltd. ISSN: 1532-0618 (2011)  
 DOI: 10.1002/smr.525  
 Scopus: 2-s2.0-79956161089  
 WoS: WOS:000290859800004  
 URL: <https://onlinelibrary.wiley.com/doi/abs/10.1002/smr.525>
  1. Romeo Rizzi and **Marco Rospoche**r. Covering partially directed graphs with directed paths. *Discrete Mathematics*, vol. 306(13):1390–1404. Elsevier B.V.. ISSN: 0012-365X (2006)  
 DOI: 10.1016/j.disc.2006.01.024  
 Scopus: 2-s2.0-33744987451

WoS: WOS:000238851700012

URL: <https://www.sciencedirect.com/science/article/pii/S0012365X06001968>

### 2.3.3 Capitoli di Libro

6. Paolo Frassi and **Marco Rospo**cher. 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 Rospo**cher, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. The KnowledgeStore: A Storage Framework for Interlinking Unstructured and Structured Knowledge. In *Information Retrieval and Management: Concepts, Methodologies, Tools, and Applications*, pages 686–721. IGI Global. ISBN: 9781522551911 (2018)  
DOI: 10.4018/978-1-5225-5191-1.ch030  
Scopus: 2-s2.0-85045866067  
URL: <https://www.igi-global.com/gateway/chapter/198572>
4. Francesco Corcoglioniti, **Marco Rospo**cher, Roldano Cattoni, Bernardo Magnini, and Luciano Serafini. Managing Large Volumes of Interlinked Text and Knowledge With the KnowledgeStore. In Miltiadis D. Lytras, Naif R Aljohani, Ernesto Damiani, and Kwok Tai Chui (editors), *Innovations, Developments, and Applications of Semantic Web and Information Systems*, chapter 2, pages 32–61. IGI Global. ISBN: 9781522550426; 1522550429; 9781522550433 (2018)  
DOI: 10.4018/978-1-5225-5042-6.ch002  
URL: <https://www.igi-global.com/gateway/chapter/196434>
3. Alessio Palmero Aprosio, Francesco Corcoglioniti, Mauro Dragoni, and **Marco Rospo**cher. 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)  
DOI: 10.1007/978-3-319-25518-7\_22  
Scopus: 2-s2.0-84951325878  
WoS: WOS:000369663000022  
URL: [https://link.springer.com/chapter/10.1007/978-3-319-25518-7\\_22](https://link.springer.com/chapter/10.1007/978-3-319-25518-7_22)
2. Michael Erdmann, Daniel Hansch, Viktoria Pammer, **Marco Rospo**cher, Chiara Ghidini, Stefanie Lindstaedt, and Luciano Serafini. Applications of Semantic Wikis. In Paul Warren, John Davies, and Elena Simperl (editors), *Context and Semantics for Knowledge Management: Technologies for Personal Productivity*, chapter 12, pages 229–254. Springer-Verlag. ISBN: 978-3-642-19509-9; 978-3-642-19510-5 (2011)  
DOI: 10.1007/978-3-642-19510-5\_12  
URL: [https://link.springer.com/content/pdf/10.1007/978-3-642-19510-5\\_12](https://link.springer.com/content/pdf/10.1007/978-3-642-19510-5_12)
1. Claudio Eccher, Antonella Ferro, Andreas Seyfang, **Marco Rospo**cher, and Silvia Miksch. Modeling Clinical Protocols Using Semantic MediaWiki: The Case of the Oncocure Project. In David Riaño (editors), *Knowledge Management for Health Care Procedures: ECAI 2008 Workshop, K4HelP 2008, Patras, Greece, July 21, 2008, Revised Selected Papers*, pages 42–54. Springer. ISBN: 978-3-642-03261-5 (2008)  
DOI: 10.1007/978-3-642-03262-2\_4  
Scopus: 2-s2.0-70350380476



WoS: WOS:000270024300004

URL: [https://link.springer.com/chapter/10.1007/978-3-642-03262-2\\_4](https://link.springer.com/chapter/10.1007/978-3-642-03262-2_4)

#### 2.3.4 Atti di Conferenze

52. Marco Bombieri, **Marco Rospoher**, Simone Paolo Ponzetto, and Paolo Fiorini. The Robotic Surgery Procedural Framebank. In *Proceedings of the Language Resources and Evaluation Conference*, pages 3950–3959. European Language Resources Association (2022)  
Scopus: 2-s2.0-85144346394  
WoS: WOS:000889371704006  
URL: <https://aclanthology.org/2022.lrec-1.420>
51. Shahi Dost, Luciano Serafini, **Marco Rospoher**, Lamberto Ballan, and Alessandro Sperduti. VTREL: A resource for Visual-Textual-Knowledge Entity Linking. In *Proceedings of the 35th Annual ACM Symposium on Applied Computing*, pages 2021–2028 (2020)  
DOI: 10.1145/3341105.3373958  
Scopus: 2-s2.0-85083037406  
WoS: WOS:000569720900277  
URL: <https://dl.acm.org/doi/abs/10.1145/3341105.3373958>
50. Shahi Dost, Luciano Serafini, **Marco Rospoher**, Lamberto Ballan, and Alessandro Sperduti. Jointly Linking Visual and Textual Entity Mentions with Background Knowledge. In Elisabeth Métais, Farid Meziane, Helmut Horacek, and Philipp Cimiano (editors), *Natural Language Processing and Information Systems - 25th International Conference on Applications of Natural Language to Information Systems, NLDB 2020, Saarbrücken, Germany, June 24-26, 2020, Proceedings*, vol. 12089 of *Lecture Notes in Computer Science*, pages 264–276. Springer (2020)  
DOI: 10.1007/978-3-030-51310-8\_24  
Scopus: 2-s2.0-85087532006  
WoS: WOS:000884363500024  
URL: [https://link.springer.com/chapter/10.1007%2F978-3-030-51310-8\\_24](https://link.springer.com/chapter/10.1007%2F978-3-030-51310-8_24)
49. Shahi Dost, Luciano Serafini, **Marco Rospoher**, 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  
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## 2.4 Presentazioni

### 2.4.1 Presentazioni / Seminari su Invito

- Joint Posterior Revision of NLP Entity Annotations via Ontological Knowledge  
NLP seminar series at Dublin City University / ADAPT Centre - Dublin, Ireland  
13 feb 2023  
Slides: [https://marcorospoher.com/files/slides/2023adapt\\_slides.pdf](https://marcorospoher.com/files/slides/2023adapt_slides.pdf)
- Knowledge representation and reasoning with ontologies  
Commonsense Reasoning in Surgical Robotics (COSER) summer school - Verona, Italy  
3 mag 2022  
Slides: [https://marcorospoher.com/files/slides/2022coser\\_slides.pdf](https://marcorospoher.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

22 gen 2021

Slides: [https://marcorospoche.com/files/slides/2021mtl\\_slides.pdf](https://marcorospoche.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  
4 dic 2019  
Slides: [https://marcorospoche.com/files/slides/2019DIuniVR\\_slides.pdf](https://marcorospoche.com/files/slides/2019DIuniVR_slides.pdf)
- Improving NLP Entity Annotations via Ontological Knowledge  
SCC Seminar Series (FBK) - Trento, Italy  
15 nov 2018  
Slides: [https://marcorospoche.com/files/slides/2018scc\\_slides.pdf](https://marcorospoche.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  
4 ott 2018  
Slides: [https://marcorospoche.com/files/slides/2018semdeep4\\_slides.pdf](https://marcorospoche.com/files/slides/2018semdeep4_slides.pdf)
- KnowledgeStore  
NewsReader Workshop - Amsterdam Public Library, Amsterdam, Netherlands  
21 nov 2015  
Slides: [https://marcorospoche.com/files/slides/2015nwr\\_slides.pdf](https://marcorospoche.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  
19 mar 2015  
Slides: [https://marcorospoche.com/files/slides/2015ontosum\\_slides.pdf](https://marcorospoche.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  
18 mar 2015  
Slides: [https://marcorospoche.com/files/slides/2015dati\\_slides.pdf](https://marcorospoche.com/files/slides/2015dati_slides.pdf)
- KnowledgeStore  
Workshop on Deep and Large-Scale Semantic Processing: The Way Ahead - Trento, Italy  
10 mar 2015  
Slides: [https://marcorospoche.com/files/slides/2015jpn\\_slides.pdf](https://marcorospoche.com/files/slides/2015jpn_slides.pdf)
- Semantic Management in PESCaDO  
PESCaDO Final Event - UPF, Barcelona, Spain  
14 feb 2012  
Slides: [https://marcorospoche.com/files/slides/2012pescado\\_slides.pdf](https://marcorospoche.com/files/slides/2012pescado_slides.pdf)
- Collaborative modeling of processes and ontologies  
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- Collaborative modeling of processes and ontologies  
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- MoKi and the ProDe project  
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Slides: [https://marcorospoher.com/files/slides/2009iliks\\_slides.pdf](https://marcorospoher.com/files/slides/2009iliks_slides.pdf)
- Organic Agriculture and MoKi  
Organic.Edunet Ontology Workshop Meeting - FAO, Rome, Italy  
6 ott 2009
- Modelling in APOSDLE  
ACTIVE EU Project Meeting - STI, Innsbruck, Austria  
27 gen 2009  
Slides: [https://marcorospoher.com/files/slides/2009active\\_slides.pdf](https://marcorospoher.com/files/slides/2009active_slides.pdf)
- On the Computational Complexity of Listing Certificates of NP problems  
ITC Seminars - Istituto Trentino di Cultura, Trento, Italy  
18 ott 2006  
Slides: [https://marcorospoher.com/files/slides/2006itc\\_slides.pdf](https://marcorospoher.com/files/slides/2006itc_slides.pdf)

#### 2.4.2 Presentazioni a Conferenza

- 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  
10 dic 2021
- Ontologie e locuzioni: modellizzazione di termini complessi nell'ambito del progetto DIACOM  
XXX Convegno Associazione Italiana per la Terminologia - Bolzano, Italia  
15 ott 2020 - 16 ott 2020
- An Ontology-Driven Probabilistic Soft Logic Approach to Improve NLP Entity Annotations  
17th International Semantic Web Conference, ISWC 2018 - Monterey, CA, USA  
8 ott 2018 - 12 ott 2018  
Slides: [https://marcorospoher.com/files/slides/2018iswc\\_research\\_slides.pdf](https://marcorospoher.com/files/slides/2018iswc_research_slides.pdf)  
Video: [http://videlectures.net/iswc2018\\_rospoher\\_ontology\\_driven\\_soft/](http://videlectures.net/iswc2018_rospoher_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  
13 lug 2018 - 19 lug 2018  
Slides: [https://marcorospoher.com/files/slides/2018ijcai\\_slides.pdf](https://marcorospoher.com/files/slides/2018ijcai_slides.pdf)
- Knowledge Extraction for Information Retrieval  
12th Extended Semantic Web Conference, ESWC 2016 - Heraklion, Crete, Greece  
29 mag 2016 - 2 giu 2016  
Slides: [https://marcorospoher.com/files/slides/2016eswc\\_slides.pdf](https://marcorospoher.com/files/slides/2016eswc_slides.pdf)  
Video: [http://videlectures.net/eswc2016\\_rospoher\\_information\\_retrieval/](http://videlectures.net/eswc2016_rospoher_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



13 apr 2015 - 17 apr 2015

Slides: [https://marcorospocher.com/files/slides/2015sac\\_slides.pdf](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  
24 nov 2014 - 28 nov 2014  
Slides: [https://marcorospocher.com/files/slides/2014ksem\\_slides.pdf](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  
16 ott 2014 - 18 ott 2014  
Slides: [https://marcorospocher.com/files/slides/2014ksem\\_slides.pdf](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  
22 set 2014 - 25 set 2014  
Slides: [https://marcorospocher.com/files/slides/2014foisbpmn\\_slides.pdf](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  
22 set 2014 - 25 set 2014  
Slides: [https://marcorospocher.com/files/slides/2014foispescado\\_slides.pdf](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  
16 set 2013 - 18 set 2013  
Slides: [https://marcorospocher.com/files/slides/2013icsc\\_slides.pdf](https://marcorospocher.com/files/slides/2013icsc_slides.pdf)
- An Ontological Framework for Decision Support  
2nd Joint International Semantic Technology Conference, JIST2012 - Nara, Japan  
2 dic 2012 - 4 dic 2012  
Slides: [https://marcorospocher.com/files/slides/2012jist\\_slides.pdf](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  
8 ott 2012 - 12 ott 2012  
Slides: [https://marcorospocher.com/files/slides/2012ekaw\\_slides.pdf](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  
30 gen 2012 - 4 feb 2012  
Slides: [https://marcorospocher.com/files/slides/2012eknow\\_slides.pdf](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

18 set 2011 - 21 set 2011

Slides: [https://marcorospocher.com/files/slides/2011icsc\\_slides.pdf](https://marcorospocher.com/files/slides/2011icsc_slides.pdf)

- Reasoning on Semantically Annotated Processes  
6th International Conference on Service-Oriented Computing, ICSOC2008 - Sydney, Australia  
1 dic 2008 - 5 dic 2008  
Slides: [https://marcorospocher.com/files/slides/2008icsoc\\_slides.pdf](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  
3 set 2008 - 5 set 2008  
Slides: [https://marcorospocher.com/files/slides/2008isemantics\\_slides.pdf](https://marcorospocher.com/files/slides/2008isemantics_slides.pdf)

#### **2.4.3 Presentazioni a Workshop**

- A Simple API to the KnowledgeStore  
Developers Workshop at the 13th Int. Semantic Web Conference (ISWC'14) - Riva del Garda, Italy  
19 ott 2014  
Slides: [https://marcorospocher.com/files/slides/2014iswcSemDev02\\_slides.pdf](https://marcorospocher.com/files/slides/2014iswcSemDev02_slides.pdf)
- MoKi: the Modelling wiKi  
SemWiki2009 - Fourth Workshop on Semantic Wikis - Heraklion, Crete, Greece  
1 giu 2009  
Slides: [https://marcorospocher.com/files/slides/2009semwiki\\_slides.pdf](https://marcorospocher.com/files/slides/2009semwiki_slides.pdf)

#### **2.4.4 Dimostrazioni e Presentazioni di Poster a Conferenza**

- Towards Integration of Ontology and Text-extracted Data for Event Coreference Reasoning  
32nd Annual ACM Symposium on Applied Computing, ACM-SAC2017 - Marrakesh, Morocco  
3 apr 2017 - 7 apr 2017  
Poster: [https://marcorospocher.com/files/posters/2017sac\\_poster.pdf](https://marcorospocher.com/files/posters/2017sac_poster.pdf)
- Demonstrating the Power of Streaming and Sorting for Non-distributed RDF Processing: RD-Fpro  
ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA  
11 ott 2015 - 15 ott 2015  
Poster: [https://marcorospocher.com/files/posters/2015iswcdemo2\\_poster.pdf](https://marcorospocher.com/files/posters/2015iswcdemo2_poster.pdf)
- Extracting Knowledge from Text with PIKES  
ISWC 2015 Posters & Demonstrations Track - Bethlehem, USA  
11 ott 2015 - 15 ott 2015  
Poster: [https://marcorospocher.com/files/posters/2015iswcdemo1\\_poster.pdf](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  
24 nov 2014 - 28 nov 2014  
Poster: [https://marcorospocher.com/files/posters/2014ekawdemo\\_poster.pdf](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

8 ott 2012 - 12 ott 2012

Poster: [https://marcorospoche.com/files/posters/2012ekawdemo\\_poster.pdf](https://marcorospoche.com/files/posters/2012ekawdemo_poster.pdf)

- MoKi: a Wiki-Based Conceptual Modeling Tool  
EKAW2010 Poster and Demo Track - Lisbona, Portugal  
11 ott 2010 - 15 ott 2010  
Poster: [https://marcorospoche.com/files/posters/2010ekawdemo\\_2\\_poster.pdf](https://marcorospoche.com/files/posters/2010ekawdemo_2_poster.pdf)
- MoKi: The Enterprise Modelling Wiki  
6th European Semantic Web Conference, ESWC 2009 - Heraklion, Crete, Greece  
31 mag 2009 - 4 giu 2009  
Poster: [https://marcorospoche.com/files/posters/2009eswcdemo\\_poster.pdf](https://marcorospoche.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  
29 set 2008 - 3 ott 2008  
Poster: [https://marcorospoche.com/files/posters/2008ekaw\\_poster.pdf](https://marcorospoche.com/files/posters/2008ekaw_poster.pdf)

## 2.5 Periodi di Ricerca all'Estero

- Visiting Scholar al Musen Lab, Stanford Center for Biomedical Informatics Research, Stanford University  
1 set 2013 - 31 dic 2013  
Host: Dr. Tania Tudorache, Prof. Dr. Md. Mark Musen  
Argomento di ricerca: Studio comparativo della dinamiche collaborative in vari ambienti di sviluppo per ontologie
- Visiting Research Associate alla School of Electrical Engineering and Computer Science, University of Newcastle, NSW, Australia  
15 gen 2005 - 15 apr 2005  
Host: Prof. Pablo Moscato  
Argomento di ricerca: Sviluppo di algoritmi di ottimizzazione combinatorica nell'ambito della biologia computazionale

## 2.6 Progetti di Ricerca

### 2.6.1 Acquisizioni di Progetti di Ricerca

Ho contribuito all'acquisizione dei seguenti progetti di ricerca:

- Inclusive Humanities (MUR Dipartimenti di Eccellenza)  
Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere  
1 gen 2023 - 31 dic 2027  
Per: Università degli Studi di Verona  
Finanziamento: 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  
1 gen 2013 - 31 dic 2015

Per: Fondazione Bruno Kessler (FBK)

Finanziamento: 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  
1 gen 2012 - 31 dic 2013  
Per: Fondazione Bruno Kessler (FBK)  
Finanziamento: 114,000 Euro
- Organic.Lingua (EU FP7 ICP Project, Grant 270999)  
Demonstrating the potential of a multilingual Web portal for Sustainable Agricultural \& Environmental Education  
1 mar 2011 - 28 feb 2014  
Per: Fondazione Bruno Kessler (FBK)  
Finanziamento: 225,000 Euro

## **2.6.2 Coordinamento e Partecipazioni in Progetti di Ricerca**

- Inclusive Humanities (MUR Dipartimenti di Eccellenza)  
Prospettive di sviluppo nella ricerca e nella didattica delle lingue e letterature straniere  
1 gen 2023 - 31 dic 2027  
Per: Università degli Studi di Verona  
Ruolo: Team Leader (Referente) Infrastrutture, Direttore Centro DAIH, Coordinamento delle attività di ricerca su Intelligenza Artificiale e Inclusione
- NexusLinguarum (COST Action, CA18209)  
European network for Web-centred linguistic data science  
1 gen 2019 - 31 dic 2023  
Sito web: <https://nexuslinguarum.eu/>  
Ruolo: Membro dei Working Groups WG1 & WG2
- Le Digital Humanities applicate alle lingue e letterature straniere (MIUR Dipartimenti di Eccellenza)  
1 gen 2018 - 31 dic 2022  
Sito web: <https://dh.dlss.univr.it/>  
Per: Università degli Studi di Verona  
Ruolo: Team Leader (Referente) Infrastrutture (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  
1 gen 2013 - 31 dic 2015  
Sito web: [https://cordis.europa.eu/project/rcn/106026\\_en.html](https://cordis.europa.eu/project/rcn/106026_en.html)  
Per: Fondazione Bruno Kessler (FBK)  
Ruolo: Gestione del progetto per FBK (Personale FBK coinvolto: 13); Responsabile Work Package 6; Coordinamento di tutte le attività (gestione personale, ricerca, sviluppo) dell'unità di Data and Knowledge Management; Ricercatore di riferimento per le attività di ricerca e sviluppo legate al 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

1 gen 2012 - 31 dic 2013

Per: Fondazione Bruno Kessler (FBK)

Ruolo: Gestione del progetto per FBK (Personale FBK coinvolto: 6); Coordinamento di tutte le attività (gestione personale, ricerca, sviluppo) dell'unità di Data and Knowledge Management

- PESCaDO (EU FP7 Strep Project, Grant 248594)

Personalized Environmental Service Configuration and Delivery Orchestration

1 gen 2010 - 31 dic 2012

Sito web: [https://cordis.europa.eu/project/rcn/93834\\_en.html](https://cordis.europa.eu/project/rcn/93834_en.html)

Per: Fondazione Bruno Kessler (FBK)

Ruolo: Gestione del progetto per FBK (Personale FBK coinvolto: 5); Responsabile Work Package 5; Coordinamento di tutte le attività (gestione personale, ricerca, sviluppo) dell'unità di Data and Knowledge Management; Ricercatore di riferimento per le attività di ricerca e sviluppo legate alle tecnologie semantiche (ontologie e ragionamento automatico)

- APOSDLE (EU FP6 IP Project, Grant 027023)

Advanced process-oriented self-directed learning environment

1 mar 2006 - 28 feb 2010

Sito web: [https://cordis.europa.eu/project/rcn/80574\\_en.html](https://cordis.europa.eu/project/rcn/80574_en.html)

Per: Fondazione Bruno Kessler (FBK)

Ruolo: Attività di coordinamento a livello di una singola attività di progetto; partecipazione alle attività di ricerca e sviluppo

## 2.7 Risorse

### 2.7.1 Strumenti

- Explicit Lyrics Detectors

Una suite di classificatori (Logistic Regression, FastText, 1D-CNN, BERT, ecc.) per determinare se il testo di una canzone contiene contenuti inappropriati per i bambini. Oltre al codice Python per il training e la valutazione dei classificatori, sono messi a disposizione anche i modelli pre-allenati e di immediato utilizzo, sia per la lingua inglese che per la lingua italiana

Sito web: <https://github.com/rospoche/explicit-lyrics-detection/>

- PSL4EA: Probabilistic Soft Logic for Entity Annotation

Un approccio basato sulla Probabilistic Soft Logic per rivedere congiuntamente, sfruttando, conoscenza ontologica di background, le annotazioni NLP riguardanti entità

Sito web: <https://pikes.fbk.eu/psl4ea.html>

Video: [http://videolectures.net/iswc2018\\_rospoche\\_ontology\\_driven\\_soft/](http://videolectures.net/iswc2018_rospoche_ontology_driven_soft/)

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

Un modello probabilistico che sfrutta conoscenza ontologica di background per migliorare la coerenza e rivedere le annotazioni NLP riguardanti entità

Sito web: <https://pikes.fbk.eu/jpark.html>

- KE4IR: Knowledge Extraction for Information Retrieval

Un approccio per migliorare le performance del task di document retrieval in cui il contenuto testuale è combinato con il contenuto semantico ricavato dall'analisi del testo (dei documenti e

delle richieste) e dall'arricchimento con dati strutturati Linked Data (ottenuto grazie a PIKES)

Sito web: <https://pikes.fbk.eu/ke4ir.html>

Video: [http://videlectures.net/eswc2016\\_ropocher\\_information\\_retrieval/](http://videlectures.net/eswc2016_ropocher_information_retrieval/)

- **PIKES: A Suite for Extracting Knowledge from Text**  
Uno strumento per estrarre Knowledge Graphs da testi in linguaggio naturale  
Sito web: <https://pikes.fbk.eu/>  
Video: <https://www.youtube.com/embed/D0mcnUKc3sg>
- **KnowledgeStore: Scalable storage for text and RDF data**  
Uno strumento scalabile e robusto, basato su tecnologie del Semantic Web, per memorizzare, gestire, recuperare, e interrogare semanticamente, contenuti sia strutturati che non strutturati  
Sito web: <https://knowledgestore.fbk.eu>  
Video: <https://www.youtube.com/embed/YVOQaljLta4>
- **RDFpro: An Extensible Tool for Building Stream-Oriented RDF Processing Pipelines**  
Uno strumento Java (disponibile sia da riga di comando che come libreria) per processare contenuto RDF  
Sito web: <https://rdfpro.fbk.eu>  
Video: <https://www.youtube.com/embed/Vd2FCVRL8fk>
- **MoKi: The modelling wiki**  
Uno strumento collaborativo, ispirato a Wikipedia, per la creazione di complessi modelli aziendali (ontologie e processi di business)
- **TeX-OWL: A Latex-Style Syntax for authoring OWL 2 ontologies**  
Una nuova sintassi stile latex per scrivere ontologie OWL 2  
Sito web: <https://github.com/dkmfbk/TeXOwl>

### 2.7.2 Ontologie

- **PreMON: Predicate Model for Ontologies**  
Una risorsa linguistica Linked Data per esporre, secondo le best practices del Semantic Web, le risorse legate ai predicati quali PropBank, NomBank, VerbNet and FrameNet  
Sito web: <https://premon.fbk.eu/>
- **The Event and Situation Ontology (ESO)**  
Una risorsa che formalizza le pre e post condizioni di eventi, e il loro effetto sulle entità che partecipano all'evento  
Sito web: <https://github.com/newsreader/eso/>
- **The PESCaDO Ontology**  
Un'ontologia OWL modulare in grado di rappresentare tutto il contenuto processato e prodotto da un sistema di supporto alla decisione per utenti basato su dati ambientali  
Sito web: <https://marcorospocher.com/backup-resources/pescado/>
- **The BPMN Ontology**  
Una formalizzazione in OWL-DL degli elementi grafici (e le regole per combinarli in un diagramma valido) della Business Process Modelling Notation (BPMN), basato sulla specifica OMG di BPMN versione 1.1 - [Gennaio 2008]  
Sito web: <https://marcorospocher.com/backup-resources/bpmn/>

### 2.7.3 Modelli del Linguaggio

- SurgicBERTa

Un modello linguistico pre-addestrato specifico per la lingua chirurgica inglese, ovvero la lingua inglese utilizzata nel dominio chirurgico. SurgicBERTa è stato ottenuto da RoBERTa attraverso un continuo pre-training via Masked-Language-Modeling su 300k frasi tratte da libri e documenti chirurgici inglesi, per un totale di 7 milioni di parole. Per quanto ci risulta, SurgicBERTa è il primo modello linguistico pre-addestrato reso disponibile per il dominio chirurgico

Sito web: <https://huggingface.co/marcobombieri/surgicberta>

### 2.7.4 Risorse Linguistiche

- Robotic Surgery Propositional Bank (RSPB)

Il Robotic-Surgery Propositional Bank è il primo corpus procedurale di chirurgia robotica, annotato con etichette semantiche in stile PropBank. Partendo dal framebank originale di PropBank, l'abbiamo arricchito aggiungendo nuovi lemmi, frame e ruoli semantici necessari per coprire le informazioni, mancanti in inglese generale, ma necessarie nel linguaggio procedurale chirurgico, rilasciando così il Robotic-Surgery Propositional Framebank (RSPF). Abbiamo quindi raccolto da testi di chirurgia robotica frasi senza modificarle, per un totale di 32.448 token, e le abbiamo annotate con le etichette di RSPF. Abbiamo così ottenuto e rilasciato pubblicamente il primo corpus annotato per il dominio della chirurgia robotica che può essere utilizzato per promuovere ulteriori ricerche sull'interpretazione del linguaggio e l'estrazione di entità e relazioni procedurali dalla letteratura scientifica clinica e chirurgica

Sito web: <https://gitlab.com/altairLab/robotic-surgery-propositional-bank/>

### 2.7.5 Datasets

- Explicit lyrics datasets

Due dataset annotati, uno per la lingua inglese (807K canzoni) e uno per la lingua italiana (37K canzoni), costruiti partendo dai contenuti presenti in Spotify e LyricWiki, per addestrare e valutare strumenti automatici per l'identificazione di canzoni i cui testi contengono contenuti inappropriati per i bambini. Un ulteriore dataset (4K canzoni) è annotato manualmente con informazioni dettagliate sull'esplicità delle canzoni, ovvero sul perché i testi delle canzoni sono contrassegnati come espliciti (ad esempio, linguaggio forte, riferimenti sessuali)

Sito web: <https://github.com/rospoche/explicit-lyrics-detection/>

- Surgical Procedural Knowledge Sentences (SPKS)

SPKS è un dataset testuale per il campo della robotica chirurgica composto da 1958 frasi (37022 parole e 3999 parole uniche) annotate manualmente come procedurali e non procedurali da un annotatore esperto

Sito web: <https://gitlab.com/altairLab/spks-dataset/>

- Visual-Textual-Knowledge Entity Linking (VTKel)

VTKel, derivato dal dataset Flickr30k-Entities, è costituito da documenti composti da un'immagine e le corrispondenti didascalie. Le menzioni visuali e testuali di ciascuna immagine e didascalia sono annotate e allineate a entità tipate secondo con le classi di YAGO

Sito web: <https://doi.org/10.6084/m9.figshare.7882781.v6>

- Annotated dataset to assess the accuracy of the textual description of cultural heritage records  
Il dataset contiene più di 100.000 descrizioni testuali di oggetti culturali in Cultura Italia, l'aggregatore culturale nazionale italiano. Ciascuna delle descrizioni è etichettata di qualità ALTA o

BASSA, in base alla sua aderenza alle linee guida di catalogazione fornite dall'Istituto Centrale per il Catalogo e la Documentazione (ICCD)  
Sito web: <https://doi.org/10.6084/m9.figshare.13359104.v1>

## **2.8 Servizi Professionali**

### **2.8.1 Partecipazione a comitati editoriali di riviste**

- Membro dell'Editorial Board della rivista internazionale Information Processing & Management (Elsevier Journal)  
dal: 2 mar 2020  
<https://www.journals.elsevier.com/information-processing-and-management/editorial-board>
- Guest Co-editor della Special Issue "Knowledge and Language Processing" sulla rivista Information Processing & Management (Elsevier Journal)  
Gli articoli selezionati sono pubblicati nel Volume 57, Issue 6, November 2020 della rivista  
<https://www.sciencedirect.com/journal/information-processing-and-management/vol/57/issue/6>
- Guest Co-editor della Special Issue "Applied Cognitive Computing: Challenges, Approaches, and Real-World Experiences" sulla rivista Progress In Artificial Intelligence (Springer Journal)  
Gli articoli selezionati sono pubblicati nel Volume 7, issue 4, December 2018 della rivista  
<https://link.springer.com/journal/13748/volumes-and-issues/7-4>

### **2.8.2 Attività di reviewing per riviste**

- ACM Transactions on Intelligent Systems and Technology (ACM TIST)  
Sito web: <https://dl.acm.org/journal/tist>
- Applied Ontology (AO)  
Sito web: <https://www.iospress.com/catalog/journals/applied-ontology>
- Artificial Intelligence (AIJ)  
Sito web: <https://www.sciencedirect.com/journal/artificial-intelligence>
- IEEE Internet Computing (IEEE IC)  
Sito web: <https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4236>
- Information Processing & Management (IP&M)  
Sito web: <https://www.sciencedirect.com/journal/information-processing-and-management>
- Information Systems (IS)  
Sito web: <https://www.sciencedirect.com/journal/information-systems>
- International Journal of Semantic Computing (IJSC)  
Sito web: <https://www.worldscientific.com/worldscinet/ijsc>
- International Journal of Software Engineering and Knowledge Engineering (IJSEKE)  
Sito web: <https://www.worldscientific.com/worldscinet/ijseke>
- Journal of Data Semantics (JDS)  
Sito web: <https://link.springer.com/journal/13740/volumes-and-issues>
- Journal of Information Science (JIS)  
Sito web: <https://journals.sagepub.com/home/jis>
- Journal of Web Semantics (JWS)  
Sito web: <https://www.sciencedirect.com/journal/journal-of-web-semantics>



- Natural Language Engineering (NLE)  
Sito web: <https://www.cambridge.org/core/journals/natural-language-engineering>
- PeerJ Computer Science  
Sito web: <https://peerj.com/computer-science/>
- Semantic Web Journal (SWJ)  
Sito web: <https://www.semantic-web-journal.net/>
- Umanistica Digitale (UD)  
Sito web: <https://umanisticadigitale.unibo.it/>

### 2.8.3 Organizzazione di Conferenze / Workshop

- Co-chair della special track on Knowledge and Natural Language Processing (KNLP) del 38th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2023)  
27 mar 2023 - 31 mar 2023  
Tallinn, Estonia  
<https://klp.fbk.eu>
- Co-chair della special track on Knowledge and Natural Language Processing (KNLP) del 37th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2022)  
25 apr 2022 - 29 apr 2022  
Brno, Czech Republic  
<https://doi.org/10.1145/3535434>
- Co-chair della special track su Knowledge and Language Processing (KLP) del 36th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2021)  
22 mar 2021 - 26 mar 2021  
Gwangju, South Korea / Virtual  
<https://doi.org/10.1145/3462420>
- Co-chair della special track su Knowledge and Language Processing (KLP) del 35th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2020)  
30 mar 2020 - 3 apr 2020  
Brno, Czech Republic / Virtual  
<https://doi.org/10.1145/3389659>
- Co-chair della special track su Knowledge and Language Processing (KLP) del 34th ACM SIGAPP Symposium On Applied Computing (ACM-SAC2019)  
8 apr 2019 - 12 apr 2019  
Limassol, Cyprus  
<https://doi.org/10.1145/3329375>
- Co-chair del Doctoral Consortium della 17th International Conference of the Italian Association for Artificial Intelligence (AI\*IA 2018)  
20 nov 2018 - 23 nov 2018  
Trento, Italy  
<https://ceur-ws.org/Vol-2249/>
- Co-chair della special track su Cognitive Computing (CoCo) del 33rd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2018)  
9 apr 2018 - 13 apr 2018  
Pau, France  
<https://doi.org/10.1145/3258634>

- Co-chair della special track su Cognitive Computing (CoCo) del 32nd ACM SIGAPP Symposium On Applied Computing (ACM-SAC2017)  
27 mar 2017 - 31 mar 2017  
Marrakech, Morocco  
<https://doi.org/10.1145/3243944>
- Co-chair del 4th International Workshop on Detection, Representation, and Exploitation of Events in the Semantic Web (DeRiVE 2015), co-locato con ESWC2015  
31 mag 2015 - 31 mag 2015  
Portoroz, Slovenia  
<https://ceur-ws.org/Vol-1363/>
- Co-Chair della Posters and Demos track della 13th International Semantic Web Conference (ISWC2014)  
19 ott 2014 - 23 ott 2014  
Riva del Garda, Italy  
<https://ceur-ws.org/Vol-1272/>

#### **2.8.4 Partecipazione a Comitati di Programma di Conferenze / Workshop**

- 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
  - 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 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 (AIM-SA): 2012
- International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS): 2012
- Workshop on Context, Information And Ontologies (CIAO): 2010

## **2.9 Consulenze/collaborazioni scientifiche in qualità di esperto**

- Consulenza scientifica su "Intelligenza Artificiale nelle Digital Humanities" per la Compagnia di San Paolo
- Revisore per proposte di progetto per la Netherlands Organisation for Scientific Research (NWO)

## **3 Attività Didattiche**

### **3.1 Partecipazioni al Collegio di Scuole/Corsi di Dottorato**

- Collegio dei Docenti del Dottorato in Lingue e Letterature Straniere (Università degli Studi di Verona)  
dal: 1 ott 2021  
Cicli Dottorato: 37, 38
- Collegio dei Docenti del Dottorato in Letterature Straniere, Lingue e Linguistica (Università degli Studi di Verona)  
15 mar 2019 - 30 set 2021  
Cicli Dottorato: 35, 36

### **3.2 Partecipazioni a Commissioni di Dottorato**

- Matteo Lorenzini  
Metadata Quality Evaluation in Cultural Heritage Domain  
ICT School, University of Trento  
15 feb 2022
- Yaroslav Nechaev  
Linking Knowledge Bases to Social Media Profiles  
ICT School, University of Trento  
15 apr 2019

### **3.3 Relatore di tesi di Dottorato**

- Marco Bombieri  
Automatic extraction of robotic surgery actions from text and kinematic data  
Università degli Studi di Verona  
dal: 1 ott 2019  
(assieme a Paolo Fiorini)

- Roxane Segers  
Formalizing Events for Detecting Implicit Event Information in Natural Language Text  
Vrije Universiteit Amsterdam  
dal: 8 mag 2018  
(assieme a Piek Vossen)
- Antonio Arneri  
Sound and Identity in Shakespeare's Theatre  
Università degli Studi di Verona  
1 gen 2019 - 15 lug 2022  
(assieme a Susanna Zinato)
- Matteo Lorenzini  
Metadata Quality Evaluation in Cultural Heritage Domain  
Università degli Studi di Trento  
1 nov 2017 - 15 feb 2022  
(assieme a Sara Tonelli)
- Giulio Petrucci  
Learning to Learn Concept Descriptions  
Università degli Studi di Trento  
1 nov 2013 - 21 set 2018  
(assieme a Chiara Ghidini)
- Francesco Corcoglioniti  
Frame-based Ontology Population from Text: Models, Systems and Applications  
Università degli Studi di Trento  
1 nov 2012 - 21 apr 2016  
(assieme a Luciano Serafini)

### **3.4 Relatore / Co-relatore di tesi di Master / Laurea Magistrale / Laurea**

- Laurea Magistrale in Informatica, Università di Trento:  
Rakebul Hasan (2009), Nahid E Mahbub (2009), Md Kamrul Hasan (2009), Musawar Saeed (2009), Matteo Matassoni (2014)
- LCT European Masters Program, Università di Trento:  
Yiqing Liang (2017)
- Laurea magistrale in Lingue per la comunicazione turistica e commerciale, Università degli Studi di 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)
- Laurea in Informatica, Università di Trento:  
Marco Spanò (2018)
- Laurea in Lingue e Culture per l'Editoria, Università degli Studi di 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)
- Laurea in Lingue e Letterature per l'Editoria e i Media Digitali, Università degli Studi di Verona:  
Rebecca Guolo (2022), Amedeo Onnis (2022)

- Laurea in Lingue e Culture per il Turismo e il Commercio Internazionale, Università degli Studi di Verona:  
Francesca Laganà (2020), Lukasz Kolasowski (2020), Sara Turrini (2021)

### 3.5 Tutoraggio / Co-tutoraggio per Stage / Borse di studio

- Borse di studio post-laurea (FBK, Trento):  
Gianluca Maguolo (2018)
- LCT European Masters Program, Università di Trento:  
Yiqing Liang (2017)
- Laurea Magistrale in Informatica, Università di Trento:  
Nahid E Mahbub (2009), Md Kamrul Hasan (2009)
- Laurea in Informatica, Università di Trento:  
Gianluca Apriceno (2015), Enrico Magnago (2015), Alessio Scussel (2016)
- Laurea in Lingue e Letterature per l'Editoria e i Media Digitali, Università degli Studi di Verona:  
Jasmine Touarsa (2021), Marta Cafà (2021)

### 3.6 Incarichi didattici Istituzionali

- Referente del Corso di Studio della Laurea in Lingue e Letterature per l'Editoria e i Media Digitali  
1 ott 2021 - 30 set 2022

### 3.7 Insegnamenti

- Anno Accademico 2022-2023:
  - Introduzione all'informatica umanistica  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
  - Linguaggi di programmazione per l'ambito umanistico  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
  - Sistemi informativi e basi di dati per l'ambito umanistico  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
  - Electronic commerce  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea magistrale in Lingue per la comunicazione turistica e commerciale, Università degli Studi di Verona, Italia
  - Python programming language  
Ore: 16, CFU: 4  
Scuola di Dottorato, Università degli Studi di Verona, Italia
- Anno Accademico 2021-2022:

- Introduzione all'informatica umanistica  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
- Linguaggi di programmazione per l'ambito umanistico  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
- Sistemi informativi e basi di dati per l'ambito umanistico  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
- Crash course on Python programming for the Humanities  
Ore: 12, CFU: 3  
Dottorato in Lingue e Letterature Straniere + Dottorato in Linguistica, Università degli Studi di Verona, Italia
- Anno Accademico 2020-2021:
  - Introduzione all'informatica umanistica  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
  - Linguaggi di programmazione per l'ambito umanistico  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia
  - Informatica per gli studi umanistici  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e culture per l'editoria, Università degli Studi di Verona, Italia
  - Natural Language Processing for analyzing written textual resources  
Ore: 4, CFU: 1  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
  - Semantic Web and Linked Data technologies for the humanities  
Ore: 4, CFU: 1  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
  - Working with Textual Files: Encodings and Regular Expressions  
Ore: 4, CFU: 1  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
- Anno Accademico 2019-2020:
  - Introduzione all'informatica umanistica  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e letterature per l'editoria e i media digitali, Università degli Studi di Verona, Italia

- Informatica per gli studi umanistici  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea in Lingue e culture per l'editoria, Università degli Studi di Verona, Italia
- Electronic commerce  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea magistrale in Lingue per la comunicazione turistica e commerciale, Università degli Studi di Verona, Italia
- A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research  
Ore: 12, CFU: 3  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
- The eXtensible Markup Language (XML) and the Textual Encoding Initiative (TEI): standards for text representation in the humanities  
Ore: 2, CFU: 0.5  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
- Anno Accademico 2018-2019:
  - Electronic commerce (A-L)  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea magistrale in Lingue per la comunicazione turistica e commerciale, Università degli Studi di Verona, Italia
  - Electronic commerce (M-Z)  
Ore: 36, CFU: 6, SSD: INF/01  
Laurea magistrale in Lingue per la comunicazione turistica e commerciale, Università degli Studi di Verona, Italia
  - A gentle introduction to Natural Language Processing and Semantic Web technologies for Digital Humanities research  
Ore: 12, CFU: 3  
Dottorato in Letterature Straniere, Lingue e Linguistica, Università degli Studi di Verona, Italia
- Altre attività di insegnamento:
  - Language Resources and Ontologies (co-titolare al 50% con Dr. Sara Tonelli) - Laurea Magistrale in Filosofia e linguaggi della modernità, Università di Trento, Italia
  - Lezioni per il corso Language Resources and Ontologies, Master in Human Language Technology and Interface, Università di Trento (2010-2011, 2011-2012)
  - Lezioni per l'International Winter Camp on Language and Data/Knowledge, TrentoRise (2012)
  - Lezioni per il corso Computational Linguistics, Laurea Magistrale in Scienze Cognitive, Università di Trento (2012)
  - Lezioni per il corso Business Process Re-engineering, Laurea Magistrale in Net Economics, Università di Trento (2010, 2011)
  - Lezioni per il corso Computational Complexity, Laurea Magistrale in Informatica, Università di Trento (2004, 2005)