



Giuseppe Rizzo

Curriculum Vitae

Short Bio

Giuseppe Rizzo is Senior Data Scientist at the Innovation Development Area of ISMB. Giuseppe is currently PI of ISMB in PasTime (EIT Digital, no. 17164) and has participated in successful international projects such as 3cixty (PI of ISMB), FREME, LinkedTV, Apps4EU, EventMedia and OpenSem. He is the main architect and co-investigator of the NERD framework.

Research interest

Natural Language Processing, Data Semantics, Knowledge Extraction, Knowledge Engineering, Machine Learning

Education

- 2009–2012 **PhD**, *Politecnico di Torino*, Turin, Italy.
Web, Linked Data, and Information Extraction
- 2005–2008 **MSc**, *Politecnico di Torino*, Turin, Italy.
Web and Networking
- 2002–2005 **BSc**, *Politecnico di Torino*, Turin, Italy.

PhD Thesis

- Title *Knowledge extraction from unstructured data and classification through distributed ontologies*
- Supervisor Angelo Raffaele Meo
- Mentor Raphaël Troncy
- Description This thesis proposed a framework for extracting knowledge from unstructured information and classifying it via distributed ontologies.

Grant

- 2017 PasTime 126K€(Principal Investigator of ISMB)
- 2016 3cixty 50K€(subcontracting, Principal Investigator of ISMB)

ISMB, Via P. Carlo Boggio, 61, 10138 – Turin, Italy
☎ +39 011 22 76 227 • ✉ giuseppe.rizzo@ismb.it
📄 <http://giusepperizzo.github.io>
<http://twitter.com/giusepperizzo>

Award and Scholarship

- 2016 **1st ranked system** Semantic Sentiment Analysis Challenge at ESWC 2016
- 2015 **1st ranked system** Semantic Web Challenge 2015
- 2015 **1st ranked system** Open Knowledge Extraction challenge at ESWC 2015
- 2016 **3rd ranked system** (WWW'13) Concept Extraction Challenge, 3rd International Workshop on Making Sense of Microposts (#MSM 2013)
- 2011 **Best Concept** for our submission about *Confomaton* at the 2nd Linked Data-a-thon challenge (ISWC'11)
- 2009 **3 year PhD scholarship** from the Italian Ministry of University and Research

Participation in funded projects

- 2017 **PasTime** - <http://pas-time.org>, *Offers personalized bundles to city visitors, based on local offering and deep knowledge of visitor preferences..*
- 2015-2017 **FREME** - <http://www.freme-project.eu>, *Aiming to validating integration of going multilingual and semantic technologies for digital content enrichment.*
- 2014-2016 **3cixty** - <http://www.3cixty.com>, *Exploring new opportunities to enable city visitors to exploit the transportation, business, cultural, and touristic point of interests offered by a city more fully and in a more personally and environmentally way.*
- 2013-2015 **Apps4Europe** - <http://www.appsforeurope.eu>, *Turning data into business.*
- 2013-2014 **SMAT-F2**, Italian project, the acronym stands for "Advanced Territory Monitoring System" and the project aims at annotating geographic extents using whereabouts of social media users.
- 2012-2014 **LinkedTV** - <http://www.linkedtv.eu>, *Television linked to the Web is an integrated and practical approach towards experiencing Networked Media in the Future Internet.*
- 2012 **OpenSEM** - <http://www.opensem.eu>, *The open innovation platform for semantic media. In the field of services for multimedia, the best performing research results emerging from academia exploit a Triple Synergy framework, a state-of-the-art paradigm that combines user-based collaborative tagging, social network structures, and multimedia content analysis.*
- 2011 **EventMedia** - <http://eventmedia.eurecom.fr>, *Event-based Annotation and Exploration of Media within the PetaMedia, P2P Tagged Media FP7 Network of Excellence. In this project we intend to develop an event-based approach for user who share events through different media platforms.*
- 2010 **EVPSI** - <http://www.evpsi.org>, *Extracting Value from Public Sector Information. Key elements of this vision are: Web, Open Government Data, Transparency.*

Appointments held

- 2015-ongoing Senior Data Scientist at ISMB, Turin, Italy.
- 2014-2015 Permanent Researcher Fellow at EURECOM, Biot, France.
- 2013-2014 Research Assistant at Università di Torino, Turin, Italy.

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- 2013–2014 Research Associate at EURECOM, Biot, France.
- 2012–2013 Postdoctoral Research Fellow at EURECOM, Biot, France.
- 2011 Visiting PhD Student at EURECOM, Biot, France.
- 2008 Research Assistant at Politecnico di Torino, Turin, Italy.
- 2006–2007 Assistant Network Administrator at Collegio Einaudi, Turin, Italy
- 2005–2007 Instructor of the course “Seniores On-Line”, co-organized by Collegio Einaudi and 3ndy (part of Uni3, University of Turin for elderly people, where I taught the baselines of the Internet and the Web.
- before 2005 Worked on several ML/Web-related projects (mostly C#/Java/python/HTML/JS) at university and internships. Details available upon request.

Open source software and public services

- 2013 **geosummly** - <https://github.com/giusepperizzo/geosummly>, *Geographic summaries from Crowdsourced Data*.
(ongoing) Is as a framework that creates geographic summaries using the whereabouts of Foursquare users.
- 2012 **MediaFinder** - <http://mediafinder.eurecom.fr>, *What fresh media are you looking for?*.
(ongoing) Is a web framework which creates visual illustrations from media items shared by the crowd on social platforms.
- 2011 **NERD** - <http://nerd.eurecom.fr>, *Named Entity Recognition and Disambiguation framework*.
(ongoing) Is a web framework which unifies and combined the annotation results of numerous named entity extractors using the NERD ontology.
- 2011 **Github/giusepperizzo** - <https://github.com/giusepperizzo>.
(ongoing) Tools and apps released after been tested in the above mentioned services.
- 2009 **sf/giusepperizzo** - <https://sourceforge.net/users/giusepperizzo>.
(ongoing) Tools and apps released after been tested in the above mentioned services.

Publications

- Google Scholar <http://scholar.google.com/citations?user=1pG7J3cAAAAJ&hl=en>.
- ACM Digital Library http://dl.acm.org/author_page.cfm?id=81485652205.
- DBLP http://www.informatik.uni-trier.de/~ley/pers/hd/r/Rizzo_0002:Giuseppe.html.

Key publications.

Rizzo G., Pereira B., Varga A., van Erp M., Cano Basave A. E. Lessons Learnt from the Named Entity rEcognition and Linking (NEEL) Challenge Series. In Semantic Web Journal.

Rizzo G., Meo R., Pensa R., Falcone G., Troncy R. Shaping City Neighborhoods Leveraging Crowd Sensors. In Information Systems, volume 64, pages 368-378.

Rizzo G., Tomassetti F., Vetrò A., Ardito L., Torchiano M., Morisio M., Troncy R. Semantic Enrichment for Recommendation of Primary Studies in a Systematic Literature Review. In Digital Scholarship in the Humanities.

Derczynski L., Maynard D., Rizzo G., van Erp M., Gorrell G., Troncy R., Petrak J., Bontcheva K. (2015) Analysis of Named Entity Recognition and Linking for Tweets. In: Information Processing and Management, vol. 51 n. 2, pp. 32-49.

Rizzo G., Erp M., Troncy R. (2014), Benchmarking the Extraction and Disambiguation of Named Entities on the Semantic Web. In 9th edition of the Language Resources and Evaluation Conference (LREC-14), Reykjavik, Iceland.

Professional Activities

- Workshop Organizer Tutorial and Workshop organizer at K-CAP2017; Co-chair of the ESWC2016 Poster and Demo Track;
Co-organizer of 2016, 2015, 2014 NEEL Challenge held at WWW co-organizer of 2016 NEEL-IT challenge held at EVALITA.
Co-organizer of WoLE2013 (WWW'13) and WoLE2012 (ISWC2012)
- Invited Talk Urban Center, Milan, 2015; Università di Torino, Turin, Italy, 2013; University Amsterdam, NL, 2013; Ecole Centrale, Paris, France 2012
- Journal Reviewer Semantic Web Journal (SWJ), Advances in Data Analysis and Classification (ADAC), Journal of Natural Language Review Engineering (JNLE), Literary and Linguistic Computing (LLC), Multimedia Tools and Applications (MTAP), International Journal On Semantic Web and Information Systems (IJSWIS), and Journal of Research and Practice in Information Technology (JRPIT)
- PC Member ISWC, ESWC, K-CAP, EKAW, SAC, SEMANTICS, CLIC-it
- Mentoring Mentored numerous students on semester projects, internships and master thesis.

Languages

- Italian **Mother tongue**
English **Professional proficiency**
French **Elementary (A2)**

References

Available upon request.

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