

Andrea Giovanni Nuzzolese

PERSONAL DETAILS *Given name:* Andrea Giovanni
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AFFILIATION Semantic Technology Laboratory (STLab)
Institute for Cognitive Science and Technology (ISTC)
National Research Council (CNR), Rome, Italy

RESEARCH INTERESTS Ontology Engineering, Knowledge Patterns, Semantic Web Engineering, Linked Data, Ontology-driven Software Engineering, Semantic Web-based Knowledge Management, Knowledge acquisition, Knowledge extraction, Semantic Technologies in Content Management Systems.

EDUCATION **University of Bologna, Italy**
PhD in Computer Science

January 2011 - May 2014

- Topic: Semantic Web with particular focus to the extraction and the discovery of Knowledge Patterns from both structured and unstructured data sources.
- Supervisors: Prof. Paolo Ciancarini, Dr. Aldo Gangemi, Dr. Valentina Presutti
- Reserch periods abroad:
 - From June 2012 to August 2013: visiting Ph.D. student at Hypios Research, Paris. During the visit I worked in the research team led by dr. Milan Stankovic at a case study of expert finding aimed at hybridizing state of the art techniques with Semantic Web technologies and Knowledge Patterns;
 - From December 2012 to March 2013: visiting Ph.D. student at LIPN-Université Paris 13 in the research team led by prof. Aldo Gangemi. The topic of the research was about the investigation of methods for inference of link types in Wikipedia articles.
- Main research projects finalized during the PhD:
 - **K~ore**: a software architecture for enabling the development of applications aimed at extracting and reusing Knowledge Patterns in the Web;
 - **Aemoo**: an exploratory search engine based on Knowledge Patterns in order to enable entity summarizations. Languages and technologies used: Java, Apache Felix (OSGi), Apache Stanbol, Apache Lucene, Javascript, EXT, JQuery, RDF, OWL, REST. Reference: <http://aemoo.org>;
 - **Tipalo**: a software for automatic typing Wikipedia entities based on the interpretation of natural language definitions available in articles' abstracts. Languages and technologies used: Java, Apache Felix (OSGi), Javascript, JQuery, RDF, OWL, REST. Reference: <http://wit.istc.cnr.it/stlab-tools/tipalo>;
 - **FRED**: an ontology learning software from natural language. Languages and technologies used: Java, Python, Apache Felix (OSGi), Javascript, JQuery, RDF, OWL, REST.

Reference: <http://wit.istc.cnr.it/stlab-tools/fred>.

University of Bologna, Italy

Master Degree (cum laude) in Computer Science

March 2010

- Title of the thesis: “Semion: a software that implements a customizable transformation method from relational databases to Linked Data”
- Supervisors: Prof. Paolo Ciancarini, Dr. Aldo Gangemi, Dr. Valentina Presutti

University of Bologna, Italy

Bachelor Degree in Computer Science

July 2006

- Title of the thesis: “Hermes: a crawler for the Semantic Web”
- Supervisors: Prof. Paolo Ciancarini, Dr. Valentina Presutti

International Schools.

Summer School on Ontology Engineering and the Semantic Web (SSSW 2011). **10-16 July 2011**

- Topics: Semantic Web, Linked Data, Ontology Engineering, Ontology Design Patterns, Knowledge Engineering, Ontology Matching, Social Semantics, Ubiquitous Computing, Knowledge Management.
- Cercedilla, Spagna.

Bertinoro International Spring School (BISS 2011).

7-18 March 2011

- Topics: Trust in Anonymity Networks, Computational Aspects of Game Theory, Information Integration, Model Checking: From Finite-state to Infinite-state Systems.
- Bertinoro, Italia.

PhD Course on Computational Ontologies.

2-10 February 2010

- Topics: Introduction to Semantic Technologies, Semantic Web, Computational Ontologies, RDF, OWL, SPARQL, Semantic Web Tools, Principles and Methodologies for Ontology Design, Ontology Design Patterns.
- Bologna, Italia.

PhD Summer Course on Computational Ontologies

18-21 September 2007

- Topics: Computational Ontologies, Languages for modelling Ontologies, Tools for Ontology Design, Ontology Design Pattern, Linguistic Frames.
- Bologna, Italia.

RESEARCH AND
WORK EXPERIENCES

National Research Council (CNR), Rome, Italy

February 2014 - present

Post-Doc Researcher

Research topic: knowledge pattern extraction from structured as well as unstructured data (e.g. natural language) and their formalisation to OWL ontologies.

National Research Council (CNR), Rome, Italy

March 2010 - January 2014

Research Fellow

Research topic: methods and models based on Semantic Web technologies for the automatic representation and reasoning on content managed by CMS. Activity conducted within the project

Interactive Knowledge Stack (IKS) (IP EU FP7).

Apache Software Foundation.

January 2011 - present

Committer

Member of the Apache Software Foundation as committer in the Apache Stanbol project. Apache Stanbol is a modular software stack and reusable set of components for semantic content management.

GIMBE Foundation, Bologna, Italy

January 2008 - February 2010

Software Engineer

Design and implementation of a digital library aimed at managing methodological contents within the context of Evidence Based Medicine. Languages and technologies used: Java, J2EE, SWT, Javascript, JQuery, SOAP, HTML, XML.

MARIO - project co-funded by the European Commission (Horizon2020)

February 2015 - February 2018

- Topic: the MARIO project addresses the difficult challenges of loneliness, isolation and dementia in older persons through innovative and multi-faceted inventions delivered by service robots. Mario builds upon the Kompai R&D Robot. This platform features a telecamera, wifi, a series of sensors for indoor navigation and obstacle avoidance, speech recognition with natural voice interaction, daily life applications, a tablet PC, controller and interface technologies that support software easy plug and play development. The project aims to integrate in a single platform a series of capabilities (behavioral skills, gestures and emotion recognition) that represent the state of the art in robotics but that so far have been demonstrated in isolation.

- Role: Researcher and developer

MIRA - project funded by the Italian National Agency for the Evaluation of the University and Research Systems (ANVUR)

January 2016 - January 2017

- Topic: the MIRA project is aimed at providing a comparative analysis about the alternative indicators (i.e., altmetrics) for Measuring the Impact of Research Alternative Indicators
- Role: Principal investigator

Cultural-ON - project co-founded by CNR and the Italian Ministry of Cultural Heritage and Activities and Tourism (MiBACT)

December 2014 - August 2015

- The project aims at identifying and providing technical solutions, based on standards of the Semantic Web, to enable the integration and rationalisation of MiBACT's data sources related to cultural heritage. To improve availability and reusability of the information assets owned by MiBACT, and to promote open government principles as well, the project started from the so-called DB Unico 2.0 registry, currently available as Open Data of level 3, by opening its content according to the design principles and recommendations of the Italian guidelines on "Semantic interoperability through Linked Open Data" and the W3C Linked Open Data best practices.
- Role: Researcher and developer

S&T DL - project co-founded by the Italian Ministry of Education, Universities and Research (MIUR) and CNR

September 2013 - October 2015

- The S&T DL project is aimed at realizing a digital library that uses semantic technologies for exposing, querying, as well as integrating research objects from a variety of repositories. This library is designed as an integrated system to foster the access of the research objects by the research community. The research objects include articles, collections, datasets, software, historical works (properly digitized), and data about research activities, projects and researchers.
- Role: Task leader

PRISMA - project funded by the Italian Ministry of Education, Universities and Research (MIUR) (PON Ricerca e Competitivit PONREC) October 2012 - May 2015

- PRISMA (PiattafoRme cloud Interoperabili per SMArt-government) is an industrial research project with the aim of providing Public Administrations with an innovative open-source cloud computing platform. The designed cloud platform addresses the specific needs and requirements of Public Administrations, in order to support advanced interoperable services, improve data and process management activities in urban environments, and foster the definition and adoption of new business models. PRISMA can be positioned in the broader context of Smart Cities and Smart Communities, and specifically targets e-Government, e-Health and e-Seismic use cases, with the goal of bringing together cities, industries and citizens to improve urban life through more sustainable integrated solutions.
- Role: Researcher and developer

IKS - project funded by the European Commission (FP7) March 2010 - March 2013

- Topic: Interactive Knowledge Stack (IKS) is an Integrating Project part-funded by the European Commission. It started in January 2009 and provided an open source technology platform (Apache Stanbol) for semantically enhanced content management systems.
- Role: Researcher and developer

AWARDS

- Winner of the “Most Innovative Approach” prize at the 2nd Challenge on Concept-Level Sentiment Analysis with the software “Detecting sentiment polarities with Sentilo” - <http://wit.istc.cnr.it/stlab-tools/sentilo/service> - In collaboration with: M. Mongiovi
- Finalist at the Semantic Web Challenge 2014 with the software “SHELDON: Semantic Holistic framEwork for LinkeD ONtology data” - <http://wit.istc.cnr.it/stlab-tools/sheldon> - In collaboration with: D. Reforgiato Recupero, S. Consoli, A. Gangemi e V. Presutti
- Finalist at the Semantic Web Challenge 2011 with the software “Aemoo: exploratory search based on knowledge patterns over the Semantic Web” - <http://wit.istc.cnr.it/aemoo> - In collaboration with: A. Musetti, F. Draicchio, V. Presutti, E. Blomqvist, A. Gangemi e P. Ciancarini

LANGUAGES AND TECHNOLOGIES

- Languages and technologies for the Semantic Web: RDF, OWL, SPARQL, SWRL, Semantic Wikis, Jena, Sesame, OWL API, Apache Stanbol
- Web Technologies: XML-based languages, JSON, SOAP
- Frameworks and application servers: OSGi, Maven, JBoss
- Programming languages: Java, C, C++, Pythonm Common Lisp, Scheme, JSP, ASP, PHP, Javascript, Unix shell scripts
- Tools: Eclipse, TopBraid, Protégé4, NeOn toolkit
- Operating systems: Unix/Linux, Mac OS X, Windows.

INVOLVEMENT IN ORGANISING AND PROGRAM COMMITTEES

- Organising Committee member as Metadata Chair at the 13th Extended Sematic Web Conference (ESWC 2016)
- Program Committee member at the Research Track of the 13th Extended Sematic Web Conference (ESWC 2016)
- Program Committee member at the Poster and Demo track of the 13th Extended Semantic Web Conference (ESWC 2016)
- Program Committee member at Poster Track of the 25th International World Wide Web Conference (WWW 2016)

- Organising Committee member as Metadata Chair at the 12th Extended Semantic Web Conference (ESWC 2015)
- Organizing Committee member of the Open Knowledge Extraction Challenge (OKE Challenge 2015)
- Program Committee member at the Research Track of the 12th Extended Semantic Web Conference (ESWC 2015)
- Program Committee member at the Poster and Demo track of the 12th Extended Semantic Web Conference (ESWC 2015)
- Program Committee member at the 3rd Workshop on Linked Data for Information Extraction (LD4IE 2015)
- Program Committee member at the 1st co-located Workshop of WWW2015 Semantics, Analytics, Visualisation: Enhancing Scholarly Data (SAVE-SD 2015)
- Program Committee member at the Research Track of the 6th Workshop on Ontology and Semantic Web Patterns (WOP 2015)
- Program Committee member at the Web Technologies track of ACM SAC 2014
- Program Committee member at the Research Track of the 11th Extended Semantic Web Conference (ESWC 2014)
- Program Committee member at the Poster and Demo track of the 11th Extended Semantic Web Conference (ESWC 2014)
- Organizing Committee member as Metadata Chair at the 11th Extended Semantic Web Conference (ESWC 2014)
- Program Committee member at the Research Track of the 10th International Conference on Semantic Systems (SEMANTiCS 2014)
- Program Committee member at the Poster track of the 10th International Conference on Semantic Systems (SEMANTiCS poster 2014)
- Program Committee member at the Research Track of the 5th Workshop on Ontology and Semantic Web Patterns (WOP 2014)
- Program Committee member at the 2nd Workshop on Linked Data for Information Extraction (LD4IE 2014)
- Program Committee member at the Poster and Demo track of the 14th International Semantic Web Conference 2014 (ISWC 2014)
- Program Committee member at the Web Technologies track of ACM SAC 2013
- Program Committee member at the Poster and Demo track of the 13th International Semantic Web Conference 2013 (ISWC 2013)
- Program Committee member at the 9th International Conference on Semantic Systems (iSemantics 2013)
- Program Committee member at the Research Track of the 4th Workshop on Ontology and Semantic Web Patterns (WOP 2013)
- Program Committee member at the Pattern Track of the 3rd Workshop on Ontology and Semantic Web Patterns (WOP 2012)
- Program Committee member at the 8th International Conference on Semantic Systems (iSemantics 2012)

PUBLICATIONS

Peer reviewed papers on international journals

A. G. Nuzzolese, V. Presutti, A. Gangemi, S. Peroni and P. Ciancarini. Aemoo: Linked Data exploration based on Knowledge Patterns. *Accepted for publication on Semantic Web Journal*

V. Presutti, **A. G. Nuzzolese**, S. Consoli, A. Gangemi, and D. Reforgiato Recupero. From hyperlinks to Semantic Web properties using Open Knowledge Extraction. *Accepted for publication on Semantic Web Journal*

D. Reforgiato Recupero, V. Presutti, S. Consoli, and A. Gangemi, **A. G. Nuzzolese**. Sentilo:

Frame-Based Sentiment Analysis. *Cognitive Computation* 7(2): 211-225 (2015). DOI: 10.1007/s12559-014-9302-z

Peer reviewed papers on international conferences and workshops

M. Mongioví, D. Reforgiato Recupero, A. Gangemi, V. Presutti, **A. G. Nuzzolese**, and S. Consoli. Semantic reconciliation of knowledge extracted from text through a novel machine reader. In *K. Barker and J. M. Gómez-Pérez (Eds.), Proceedings of the 8th International Conference on Knowledge Capture (K-CAP 2015)*, 25:1-25:4. ACM, New York, USA, 2015. DOI: 10.1145/2815833.2816945

A. L. Gentile and **A. G. Nuzzolese**. cLODg - Conference Linked Open Data Generator. In *S. Villata, J. Z. Pan, and M. Dragoni (Eds.), Proceedings of the 14th International Semantic Web Conference (ISWC 2015 - Posters & Demos)*, vol. 1486. CEUR-WS, Aachen, Germany. 2015

A. Di Iorio, **A. G. Nuzzolese**, F. Osborne, S. Peroni, F. Poggi, M. Smith, F. Vitali, and J. Zhao: The RASH Framework: Enabling HTML+RDF Submissions in Scholarly Venues. In *S. Villata, J. Z. Pan, and M. Dragoni (Eds.), Proceedings of the 14th International Semantic Web Conference (ISWC 2015 - Posters & Demos)*, vol. 1486. CEUR-WS, Aachen, Germany. 2015

D. Reforgiato Recupero, **A. G. Nuzzolese**, S. Consoli, V. Presutti, M. Mongioví, and S. Peroni. Extracting knowledge from text using SHELDON, a Semantic Holistic framEwork for LinkeD ONtology data. In *A. Gangemi, S. Leonardi, A. Panconesi (Eds.), Proceedings of the 24th International Conference on World Wide Web (WWW 2015) Companion*, 235-238. ACM, New York, USA, 2015. DOI: 10.1145/2740908.2742842

A. L. Gentile, M. Acosta, L. Costabello, **A. G. Nuzzolese**, V. Presutti, and D. Reforgiato Recupero: Conference Live: Accessible and Sociable Conference Semantic Data. In *A. Gangemi, S. Leonardi, A. Panconesi (Eds.), Proceedings of the 24th International Conference on World Wide Web (WWW 2015) Companion*, 1007-1012. ACM, New York, USA, 2015. DOI: 10.1145/2740908.2742025

S. Consoli, M. Mongioví, **A. G. Nuzzolese**, S. Peroni, V. Presutti, D. Reforgiato Recupero, and D. Spampinato: A Smart City Data Model based on Semantics Best Practice and Principles. In *A. Gangemi, S. Leonardi, A. Panconesi (Eds.), Proceedings of the 24th International Conference on World Wide Web (WWW 2015) Companion*, 1395-1400. ACM, New York, USA, 2015. DOI: 10.1145/2740908.2742133

A. Bagnacani, P. Ciancarini, A. Di Iorio, **A. G. Nuzzolese**, S. Peroni, and F. Vitali. The Semantic Lancet Project: A Linked Open Dataset for Scholarly Publishing. In *P. Lambrrix, E. Hyvnen, E. Blomqvist, V. Presutti, G. Qi, U. Sattler, Y. Ding, C. Ghidini (Eds.), Proceedings of the 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2014 - Satellite Events)*, Lecture Notes in Computer Science 8982:101-105. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-17966-7_10

D. Reforgiato Recupero, **A. G. Nuzzolese**, S. Consoli, A. Gangemi, and V. Presutti. SHELDON: Semantic Holistic FramEwork for LinkeD ONtology Data In *P. Lambrrix, E. Hyvnen, E. Blomqvist, V. Presutti, G. Qi, U. Sattler, Y. Ding, C. Ghidini (Eds.), Proceedings of the 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2014 - Satellite Events)*, Lecture Notes in Computer Science 8982:136-139. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-17966-7_17

S. Consoli, **A. G. Nuzzolese**, V. Presutti, D. Reforgiato Recupero, A. Gangemi: Legalo: Revealing the Semantics of Links. SHELDON: Semantic Holistic FramEwork for LinkeD ONtology Data In *P. Lambrrix, E. Hyvnen, E. Blomqvist, V. Presutti, G. Qi, U. Sattler, Y. Ding, C. Ghidini*

(Eds.), *Proceedings of the 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2014 - Satellite Events)*, Lecture Notes in Computer Science 8982:140-144. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-17966-7_18

V. Presutti, S. Consoli, **A. G. Nuzzolese**, D. Reforgiato Recupero, A. Gangemi, I. Bannour, and H. Zargayouna. Uncovering the Semantics of Wikipedia Pagelinks. In *P. Lambrix, E. Hyvonen, E. Blomqvist, V. Presutti, G. Qi, U. Sattler, Y. Ding, C. Ghidini (Eds.), Proceedings of the 19th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2014)*, Lecture Notes in Computer Science 8982:413-428. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-13704-9_32

S. Consoli, A. Gangemi, **A. G. Nuzzolese**, S. Peroni, D. Reforgiato Recupero, D. Spampinato. Setting the Course of Emergency Vehicle Routing Using Geolinked Open Data for the Municipality of Catania. In *V. Presutti, E. Blomqvist, R. Troncy, H. Sack, I. Papadakis, A. Tordai (Eds.), Proceedings of the 11th Extended Semantic Web Conference (ESWC 2014 - Satellite Events)*, Lecture Notes in Computer Science 8798:42-53. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-11955-7_4

P. Ciancarini, A. Di Iorio, **A. G. Nuzzolese**, S. Peroni, F. Vitali. Evaluating citation functions in CiTO: cognitive issues. In *V. Presutti, E. Blomqvist, R. Troncy, H. Sack, I. Papadakis, and A. Tordai (Eds.), Proceedings of the 11th Extended Semantic Web Conference (ESWC 2014)*, Lecture Notes in Computer Science 8465:580-594. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-07443-6_39

A. Di Iorio, **A. G. Nuzzolese**, S. Peroni, D. Shotton, F. Vitali. Describing bibliographic references in RDF. In *A. Garca Castro, C. Lange, P. Lord, Robert Stevens (Eds.), Proceedings of the 4th Workshop on Semantic Publishing (SePublica 2014) of the 11th Extended Semantic Web Conference*, vol. 1155. CEUR-WS, Aachen, Germany. 2014

Diego Reforgiato Recupero, Sergio Consoli, Aldo Gangemi, **Andrea Giovanni Nuzzolese**, Daria Spampinato. A Semantic Web Based Core Engine to Efficiently Perform Sentiment Analysis. In *V. Presutti, E. Blomqvist, R. Troncy, H. Sack, I. Papadakis, and A. Tordai (Eds.), Proceedings of the 11th Posters and Demos of Extended Semantic Web Conference (ESWC 2014 - Satellite Events)*, Lecture Notes in Computer Science 8798:245-248. Springer, Berlin, Germany, 2014. DOI: 10.1007/978-3-319-11955-7_28

S. Consoli, A. Gangemi, **A. G. Nuzzolese**, S. Peroni, V. Presutti, D. Reforgiato, D. Spampinato. Geolinked Open Data for the Municipality of Catania. In *R. Akerkar, N. Bassiliades, J. Davies, and V. Ermolayev (Eds.), Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS 2014)*, 1-8. ACM, New York, USA, 2014. DOI: 10.1145/2611040.2611092

A. G. Nuzzolese, A. Gangemi, V. Presutti, F. Draicchio, A. Musetti, P. Ciancarini. Tipalo: A Tool for Automatic Typing of DBpedia Entities. In *P. Cimiano, M. Fernández, V. Lopez, S. Schlobach, and J. Völker (Eds.), Proceedings of the 10th Extended Semantic Web Conference (ESWC 2013 - Satellite Events)*, Lecture Notes in Computer Science 7955:253-257. Springer, Berlin, Germany, 2013. DOI: 10.1007/978-3-642-41242-4_34

F. Draicchio, A. Gangemi, V. Presutti, **A. G. Nuzzolese**. FRED: From Natural Language Text to RDF and OWL in One Click. In *P. Cimiano, M. Fernández, V. Lopez, S. Schlobach, and J. Völker (Eds.), Proceedings of the 10th Extended Semantic Web Conference (ESWC 2013 - Satellite Events)*, Lecture Notes in Computer Science 7955:263-267. Springer, Berlin, Germany, 2013. DOI: 10.1007/978-3-642-41242-4_36

A. Di Iorio, **A. G. Nuzzolese**, S. Peroni. Identifying Functions of Citations with CiTalO. In *P.*

Cimiano, M. Fernández, V. Lopez, S. Schlobach, and J. Völker (Eds.), Proceedings of the 10th Extended Semantic Web Conference (ESWC 2013 - Satellite Events), Lecture Notes in Computer Science 7955:231-235. Springer, Berlin, Germany, 2013. DOI: 10.1007/978-3-642-41242-4_30

A. Di Iorio, **A. G. Nuzzolese**, S. Peroni. Characterising Citations in Scholarly Documents: The CiTalO Framework. In *P. Cimiano, M. Fernández, V. Lopez, S. Schlobach, and J. Völker (Eds.), Proceedings of the 10th Extended Semantic Web Conference (ESWC 2013 - Satellite Events)*, Lecture Notes in Computer Science 7955:66-77. Springer, Berlin, Germany, 2013. DOI: 10.1007/978-3-642-41242-4_6

A. Di Iorio, **A. G. Nuzzolese**, S. Peroni. Towards the automatic identification of the nature of citations. In *A. Garca Castro, C. Lange, P. Lord, Robert Stevens (Eds.), Proceedings of the 3rd Workshop on Semantic Publishing (SePublica 2013) of the 10th Extended Semantic Web Conference (ESWC 2013)*. 994:63-74. CEUR-WS, Aachen, Germany, 2013

A. G. Nuzzolese, V. Presutti, A. Gangemi, A. Musetti, P. Ciancarini. Aemoo: exploring knowledge on the web, In *H. Davis, H. Halpin, A. Pentland, M. Bernstein, L. Adamic, H. Alani, A. Monnin, and R. Rogers (Eds.), Proceedings of the 5th Annual ACM Web Science Conference (WebSci 2013)*, 272-275. ACM, New York, USA, 2013. DOI: 10.1145/2464464.2464519

A. Gangemi, F. Draicchio, V. Presutti, **A. G. Nuzzolese**, D. Reforgiato Recupero. A Machine Reader for the Semantic Web. In *E. Blomqvist and T. Groza (Eds.), Proceedings of the 12th International Semantic Web Conference (Posters & Demos - ISWC 2013)*, 1035:149-152. CEUR-WS, Aachen, Germany, 2013

A. G. Nuzzolese, A. Gangemi, V. Presutti, P. Ciancarini. Towards the Natural Ontology of Wikipedia. In *E. Blomqvist and T. Groza (Eds.), Proceedings of the 12th International Semantic Web Conference (Posters & Demos - ISWC 2013)*, 1035:273-276. CEUR-WS, Aachen, Germany, 2013

P. Ciancarini, A. Di Iorio, **A. G. Nuzzolese**, S. Peroni, F. Vitali. Semantic Annotation of Scholarly Documents and Citations. In *M. Baldoni, C. Baroglio, G. Boella, and R. Micalizio (Eds.), Proceedings of the 13th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2013)*, Lecture Notes in Computer Science 8249:336-347. Springer, Berlin, Germany, 2013. DOI: 10.1007/978-3-319-03524-6_29

P. Ciancarini, A. Di Iorio, **A. G. Nuzzolese**, S. Peroni, F. Vitali. Characterising Citations in Scholarly Articles: An Experiment. In *A. Lieto, M. Cruciani (Eds.), Proceedings of the 2nd International Workshop on Artificial Intelligence and Cognition (AIC 2013) of the AI*IA Conference*, 1100:124-129. CEUR-WS, Aachen, Germany, 2013

A. Gangemi, **A. G. Nuzzolese**, V. Presutti, F. Draicchio, A. Musetti, P. Ciancarini. Automatic typing of DBpedia entities. In *J. Heflin, A. Bernstein, and P. Cudré-Mauroux (Eds.), Proceedings of the 11th International Semantic Web Conference (ISWC 2012)*, Lecture Notes in Computer Science 7649:65-91. Springer, Berlin, Germany, 2012. DOI: 10.1007/978-3-642-35176-1_5

A. G. Nuzzolese: Knowledge Pattern Extraction and their usage in Exploratory Search. In *J. Heflin, A. Bernstein, and P. Cudré-Mauroux (Eds.), Proceedings of the 11th International Semantic Web Conference (ISWC 2012)*, Lecture Notes in Computer Science. 7650:449-452. Springer, Berlin, Germany, 2012. DOI: 10.1007/978-3-642-35173-0_37

A. G. Nuzzolese, A. Gangemi, V. Presutti, P. Ciancarini. Type Inference through the Analysis of Wikipedia Links. In *C. Bizer, T. Heath, T. Berners-Lee, and M. Hausenblas (Eds.), Proceedings of the WWW workshop on Linked Data on the Web (LDOW 2012)*, vol. 937. CEUR-WS, Aachen,

Germany, 2012

A. G. Nuzzolese, A. Gangemi, V. Presutti, P. Ciancarini. Encyclopedic knowledge patterns from wikipedia links. In *L. Aroyo, N. Noy, and C. Welty (Eds.), Proceedings of the 10th International Semantic Web Conference (ISWC 2011)*, Lecture Notes in Computer Science 7031:520-536. Springer, Berlin, Germany, 2011. DOI: 10.1007/978-3-642-25073-6_33

A. G. Nuzzolese, A. Gangemi, and V. Presutti. Gathering Lexical Linked Data and Knowledge Patterns from FrameNet. In *M. Musen and O. Corcho (Eds.), Proceedings of the 6th International Conference on Knowledge Capture (K-CAP 2011)*, 41-48. ACM, New York, USA, 2011. DOI: 10.1145/1999676.1999685

A. G. Nuzzolese, A. Gangemi, V. Presutti and P. Ciancarini. Fine-tuning triplification with Semion. In *V. Presutti, V. Svatek, and F. Sharffe (Eds.), EKAW workshop on Knowledge Injection into and Extraction from Linked Data (KIELD 2010)*, 631:2-14. CEUR-WS, Aachen, Germany, 2010

A. G. Nuzzolese, A. Gangemi, V. Presutti, and P. Ciancarini. Semion: a smart triplification tool. In *O. Corcho and J. Völker (Eds.), Demo Poster of the 17th Conference on Knowledge Engineering and Knowledge Management (EKAW 2010)*. vol. 674. CEUR-WS. Aachen, Germany, 2010

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