

Mauro Dragoni

Curriculum Vitæ

Personal data

Mauro Dragoni
January 10th, 1981, Codogno (LO), Italy
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Education

- 01 October 2003 - 11 April 2006 Master Degree in Computer Science - 110/110 [1]
 Università degli Studi di Milano
- 01 November 2006 - 26 March 2010 Ph.D. in Computer Science [2]
 Università degli Studi di Milano

Languages

Mother tongue: Italian

| Language | Understanding | | Speaking | | Writing |
|----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C1 (Proficient user) | C2 (Proficient user) | C1 (Proficient user) | C1 (Proficient user) | C1 (Proficient user) |
| French | B1 (Basic user) | B1 (Basic user) | - | - | - |
| Spanish | B1 (Basic user) | B1 (Basic user) | - | - | - |

Based on the Common European Framework of Reference (CEF):
<http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr>

Work experience

Post-Doc Researcher at Fondazione Bruno Kessler (FBK-IRST), Trento (Italy)

01 March 2011 → now

Working on my research vision presented in the attached research statement document and on the project activities described in the next section. Many activities required to development improved and adapted versions of MoKi, the knowledge management tool used for providing integrated models of ontologies and business process. Since 2013, I am the only maintainer of the tool and I am responsible of its customization based on projects requirements.

Software Engineer at Sematext, New York (U.S.A.)

01 April 2010 → 31 July 2013

Designer and developer of a semantic search engine. The project consists in the design and the development of the entire pipeline necessary for the realization of a semantic search engine, from the crawling of the Web documents to their indexing and searching. The main challenge for creating such a pipeline, in the context of using semantic technologies, is the implementation of the annotator component that is the responsible of the injection of semantic information for enriching document content. These information are retrieved from external knowledge bases like DBpedia, Freebase, YAGO, WordNet, etc. The second main challenge is the scalability of the application that has to work in a real-time environment by monitoring continuous streams of news documents and log reports.

Software Architect and Developer at Meteotalia s.r.l., Milan (Italy)

01 February 2010 → 31 March 2011

Software Architect for the B2B Weather Forecasting services.

Designer of the data infrastructure used for updating and publishing weather forecasting data. The main challenge was the development of a scalable platform able to retrieve and manage real-time data coming from more that 8,000 weather stations and to use them for updating all the services. Moreover, these data have been used for developing a statistical framework for computing weather nowcasting reports and for the development of models about micro-climate areas.

Research Collaborator at Università degli Studi di Milano, Department of Information Technology, Crema (Italy)

01 September 2009 → 28 February 2011

Research, design, and development of intelligent information retrieval system and of effective classification and learning systems based on the use of Computational Intelligence techniques.

Trainer at Form.Art., Piacenza (Italy)

01 May 2010 → 28 February 2011

Trainer on Information Systems for the customers of Confartigianato dell'Emilia Romagna.

The topics of these classes were the structure of the different categories of information systems and business processes engineering.

Software architect and Developer at Cross Cable, Brescia (Italy)

01 December 2009 → 30 June 2010

Design and development of a semantic information retrieval system based on Solr/Lucene technology for the banking and manufacturing environments.

Trainer at Il Sole 24 Ore Business School, Milan (Italy)

01 February 2009 → 31 March 2009

Trainer on Information and Database Systems.

The topics of these classes were information systems, databases, and SQL language.

Developer at Delta 80 s.r.l., Milan (Italy)

01 February 2009 → 30 June 2009

Software Developer on the EcoWise Project.

The project consisted in the development of a software for the analysis of environmental data (pollution, weather conditions, etc.).

The software was implemented by using the Java programming language and MySQL as DBMS.

Analyst and Developer at Bardicchia Management. Milan (Italy)

01 September 2008 → 31 May 2009

Analyst and Developer for the Sales Skill Project.

The project consisted in the design and implementation of a software for managing human resources.

The software has been implemented by using the PHP programming language and MySQL as DBMS.

Analyst and Developer at TKA s.r.l., Milan (Italy)

01 January 2008 → 30 November 2008

Software Analyst and Developer on the Elisa Project.

The project consisted in the analysis and development of a software for scheduling medical robots used for blood analysis.

The software was implemented by using C language.

Trainer at ProEl s.p.a. (Gruppo Finmeccanica), Milan (Italy)

01 October 2007 → 31 October 2007

Trainer on MySQL Server Database.

The topic of this course was the configuration and the administration of a MySQL server, the SQL language, the use of the MySQL Administration Tools, and how to interact with MySQL databases with different programming languages, in particular C, Java and PHP.

Web Developer at Polo Didattico e di Ricerca di Crema, Crema (Italy)

01 October 2000 → 30 June 2002

Developing of complex and dynamic web sites.

The technologies used was HTML, XML, Javascript and CSS.

Software Architect at Int.-Te.Ma. s.r.l., Piacenza (Italy)

01 September 2000 → 31 December 2007

Design and develop of B2B applications and web services.

The platform used for the implementation of the application was IBM Lotus Domino, with the injection of HTML and XML code for the presentation layer and the use of Java language for the developing of the internal web services.

Research Interests

My research interests can be summarized in the four points shown below:

- **Computational Intelligence.** My first research topic consisted in the investigation about the use of Evolutionary Computation and Fuzzy Logic for optimizing the structure of Artificial Neural Network. The goal was to build effective systems for pure classification problems. The designed approaches were mainly applied into the Natural Language Processing field, in particular to the Word Sense Disambiguation (WSD) problem where the aim is to detect the correct sense of an ambiguous word into the different contexts in which such word occurs. This topic has been investigated for the first half of my Ph.D. period.
- **Information Retrieval.** The main topic of my Ph.D., my aim was to evolve the state of the art of IR systems by integrating a multidimensional representation of documents able to increase the effectiveness of both indexing construction and query processing. Together with this, the Computational Intelligence approaches learned during the first part of my Ph.D. were exploited for learning user profiles in order to extend query processing algorithms with a user-based dimension.
- **Knowledge Management and Semantic Technologies.** After moving to Fondazione Bruno Kessler, I have been involved in a strong project-oriented environment. I had to stop working on the research topics studied during my Ph.D. and started to align my competencies with the key-ones of the Data and Knowledge Management group. Thus, I acquired the background of the knowledge management and business process modeling areas for making myself effective on the assigned projects. During the first years, I was mainly involved in project-related activities. In particular, I worked on ontology engineering and process modeling tasks and developed a tools allowing an integrated representation of the produced artifacts. Recent activities concerns the integration of knowledge bases into complex platforms and I restarted to work in the IR field by bringing the acquired competencies and the developed technologies to the goal of evolving what I did during my Ph.D..
- **Sentiment Analysis and Opinion Mining.** Recently, I starting an independent research line: the integration of semantic technologies and fuzzy logic for investigating the semantic sentiment analysis area. In particular, I associate fuzzy representations to the polarity of each concept occurring in a text and to adapt it based on the domain in which each concept occurs. This way, I am able to provide a more flexible representation supporting the design of effective approaches as demonstrated in recent published contributions. Recently, I started to integrate argumentation theory frameworks concerning the analysis of complex scenarios like the ones strongly connected with social sciences, in order to tracking the evolution of opinions and associated sentiment.

More details about my research vision and scientific achievements can be found in my research statement.

Research Metrics

| | | |
|----------------|----------------|-------------|
| Google Scholar | Citations: 330 | h-Index: 11 |
| Scopus | Citations: 112 | h-Index: 6 |

Activities in Funded Projects

SO-PC-Pro (Subject Orientation For People Centred Production) EU-funded Project [10/2014-09/2016]: the goal of SO-PC-Pro was to develop methods and tools for holistic design and management of workplaces in production companies, thereby aligning business goals and human needs. It is based on a view of production companies as complex, socio-technical systems of people, processes and machines that flexibly interact. My role in the project was related to the development of the knowledge management tool supporting the interaction between workers and management concerning the discussion about the production processes.

Presto (Plausible Representation of Emergency Scenarios for Training Operations) FESR-funded Project [01/2014-12/2015]: the PRESTO project aimed to build behavioral models of characters injected in virtual reality scenarios used for training people involved in rescue activities. My role in this project was the modeling of the underlying ontology deployed into the Presto platform and of transferring knowledge to the staff of the other company involved in the project about the exploitation of semantic technologies within the virtual reality scenario.

Organic.Lingua EU-funded Project (<http://www.organic-lingua.eu>) [03/2011-02/2014]: the Organic.Lingua project aimed to provide an automated multilingual service that facilitates the usage, exploitation and extension of digital educational content related to Organic Agriculture and Agroecology. My role concerns the research of techniques for managing the ontology used for annotating the resources deployed on the platform. In particular, I am studying approaches for evolving the ontology by preserving the retrieval effectiveness of the platform, and for mapping the concepts defined in the ontology with concepts defined in external ontologies or linguistic resources. Regarding this research activity, I extended the MoKi tool with the modules needed for facing these tasks. From Month 18, I was appointed to be the leader of Work Package 3 that was in charge of defining the knowledge bases and of developing the collaborative knowledge management tool.

ProMo (PROcess MODELing) FESR-funded Project (<http://www.progettoprode.it>) [01/2012-08/2013]: the ProMo project aimed to reach two different objectives. The first one, that was a scientific objective, consisted in the investigation of innovative technological solutions able to support collaborative and agile approaches for modeling and monitoring processes. While, the second objectives aimed to build a prototype platform, based on the MoKi tool, able to verify the effectiveness of the development solutions. My role in this project consists in the design of the final system architecture and on the development of the improved version of the MoKi tool for supporting the features for monitoring processes.

ProDe (PROgetto DEmaterializzazione) National-funded Project [01/2011-12/2011]: ProDe was an Italian project with the aim of defining a national reference model for the management of electronic documentation (dematerialized document) in the Public Administration (PA). This reference model follows an archival science perspective, and can be used for the identification of guidelines and functions needed to safely store, classify, manage, and retrieve, electronic documents produced within the PA in an archival system. My role concerned the study of the state of art about semantic approaches and framework used for achieving interoperability in the Public Administration and the development of an extension of MoKi for modeling processes and entities involved in the Public Administration tasks.

Grants and Awards

- GRANT Mobility Grant awarded by FBK for spending 4 months at INRIA Sophia-Antipolis, France.
- AWARD Best Performer System at ESWC 2014 Concept-Level Sentiment Analysis Challenge on the Aspect-Based Sentiment Analysis task
- AWARD Most Innovative System at ESWC 2014 Concept-Level Sentiment Analysis Challenge
- AWARD Best Performer System at Semeval 2015 - Task 9
- AWARD Best Performer System at ESWC 2015 Concept-Level Sentiment Analysis Challenge on the Frame Entities Identification task

Teaching activity

Academic:

- 2006-2009 Teaching Assistant of "Programmazione 1" at Universit degli Studi di Milano, B.S. in Computer Science (60 hours)
- 2010 Teaching Assistant of "Information Systems" at Universit degli Studi di Milano, Institute of Hygiene and Preventive Medicine (36 hours)

Private companies:

- 2008 Prod.El (Finmeccanica Group),
Course on Database Systems (80 hours)
- 2009 Il Sole 24 Ore Business School,
Course on Information Systems and Database Systems (80 hours)
- 2010-2011 Form.Art. (Educational Department of Emilia-Romagna Confartigianato institution),
Courses on Information Systems (420 hours)

Program committee and Peer review activities

Conferences:

- AAAI Conference on Artificial Intelligence: 2014, 2015, 2016
- CIKM: 2014, 2015, 2016
- ESWC: 2014, 2015, 2016
- ISWC: 2014, 2015, 2016
- WWW: 2015, 2016
- EKAW: 2014, 2016

- Semantics: 2015, 2016
- K-CAP: 2015
- FOIS: 2016
- International Conference on Adaptive and Natural Computing Algorithms, 2013
- Evolutionary and Natural Computation in Finance and Economics (EvoFIN, Evo*), 2012, 2013
- European Intelligence and Security Informatics Conference (EISIC), 2011 and 2012
- International Conference on Innovations in Bio-Inspired Computing and Applications, 2012
- IEEE Conference on Control, Systems, and Industrial Informatics (ICCSII), 2012

Journals:

- IEEE Transactions on Knowledge and Data Engineering
- ACM Transaction of Internet Technology
- Journal of Data and Information Quality
- Journal of Internet Technology
- Applied Computing and Informatics
- Knowledge-Based Systems
- Journal of Systems Science and Systems Engineering
- Journal of the Association for Information Science and Technology
- Computational Intelligence and Neuroscience
- International Journal of Cooperative Information Systems
- International Journal of Metadata, Semantics and Ontologies
- Future Generation Computer Systems
- Alexandria Engineering Journal

Organizing Committees

- ISWC 2014, Publicity Chair
- ESWC 2015, Publicity Chair and Semantic Web Challenges co-Chair
- OWLED 2015 (OWL Experiences and Directions Workshop 2015), Program Chair
- ESWC 2016, EU Networking Chair
- ESWC 2016 and 2017 Workshop on Sentiment Analysis, Organizer

- ESWC 2015 and 2016 Challenge on Sentiment Analysis, Organizer
- OWLED 2016 (OWL Experiences and Directions Workshop), General Chair
- SAC 2017 Co-Chair of the Cognitive Computing Track
- ESWC 2017 Semantic Web Challenges Co-Chair

Invited Talks/Seminars

- November 2014, “A Fuzzy Approach For Multi-Domain Sentiment Analysis”.
Know-Center, Graz, Austria.
- July 2015, “Ontologies And Their Use in Information Retrieval”.
1st KEYSTONE COST-Action Summer School, Malta.
- November 2015, “An IR-based Approach For Multilingual And Cross-lingual Ontology Matching Purposes”.
University of Liverpool, United Kingdom.
- February 2016, “Keyword Search Through Semantic Artifacts: an Introduction”.
KEYSTONE Meeting Summer School, Marseille, France.
- July 2016, “Aggregating Multiple Dimensions for Computing Document Relevance”.
2nd KEYSTONE COST-Action Summer School, Santiago de Compostela, Spain.

Technical Competencies

Programming Languages:

Excellent: Java, PHP, MySQL, HTML, XML, SQL, Javascript

Good: C++, ASP, .NET (C#, VB.NET), CSS, SPARQL

Tools:

Excellent: Linux, Windows, UML, MySQL, Lucene, Solr, Tomcat, Protege, Office, Versioning Systems

Good: R, Adobe Suite

Technologies:

Excellent: Web Services

Good: Servlets, SOA, Google Maps API, JQuery, AJAX

References

Dr. Chiara Ghidini, Fondazione Bruno Kessler (Head of my current Research Unit)

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Phone number: +39 0461314395

Prof. Andrea G.B. Tettamanzi, Università degli Studi di Milano (Ph.D. Advisor)

Email: andrea.tettamanzi@unice.fr

Phone number: +33 0492965077

Prof. Célia da Costa Pereira, Université de Nice Sophia-Antipolis/CNRS (Research Collaborator)

Email: celia.pereira@unice.fr

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Publications

Thesis

- [1] Mauro Dragoni. *Ragionamento nelle Logiche Descrittive con Quantificatori Fuzzy ed Algoritmi Evolutivi* (Reasoning in Description Logics with Fuzzy Quantifiers and Evolutionary Algorithms) Master's thesis, Università degli Studi di Milano, Milan, 2006. In Italian.
- [2] Mauro Dragoni. *Computational Intelligent Methods for Improving Information Retrieval*. PhD thesis, Università degli Studi di Milano, Milan, 2010.

International Journal

- [3] Mauro Dragoni. A 3-Phase Approach For Exploiting Opinion Mining in Computational Advertising. *IEEE Intelligent Systems*: to appear, 2017.
- [4] Mauro Dragoni, Sara Tonelli and Giovanni Moretti. A Knowledge Management Architecture For Digital Cultural Heritage. *Journal on Computing and Cultural Heritage*: to appear, 2017.
- [5] Mauro Dragoni, Andrea G.B. Tettamanzi, and Célia da Costa Pereira. Propagating and Aggregating Fuzzy Polarities for Concept-Level Sentiment Analysis. *Cognitive Computation*, 7(2): 186–197, 2015.
- [6] Mauro Dragoni, Antonia Azzini and Andrea G.B. Tettamanzi. SimBa: A Novel Similarity-Based Crossover for Neuro-Evolution. *Neurocomputing*, 130: 108–122, 2014.
- [7] Mauro Dragoni, Antonia Azzini, Célia da Costa Pereira, and Andrea G.B. Tettamanzi. A Neuro Evolutionary Corpus-based Method for Word Sense Disambiguation. *IEEE Intelligent Systems*, 27(6): 26–35, 2012.
- [8] Mauro Dragoni, Célia da Costa Pereira, and Andrea G.B. Tettamanzi. A Conceptual Representation of Documents and Queries for Information Retrieval Systems by Using Light Ontologies. *Expert Systems With Applications*, 39(12): 10376–10388, 2012.
- [9] Célia da Costa Pereira, Mauro Dragoni, and Gabriella Pasi. Multidimensional relevance: Prioritized aggregation in a personalized Information Retrieval setting. *Information Processing Management*, 48(2):340–357, 2012.

Proceedings of Selected International Conferences

- [10] Mauro Dragoni, Tania Bailoni, Claudio Eccher, Marco Guerini, and Rosa Maimone A Semantic-enabled Platform For Supporting Healthy Lifestyles. In *Symposium on Applied Computing, SAC 2017*, to appear.
- [11] Mauro Dragoni. An IR-based Approach For Multilingual And Cross-lingual Ontology Matching Purposes. In *Symposium on Applied Computing, SAC 2017*, to appear.
- [12] Mauro Dragoni, Andi Rexha, Hermann Ziak, and Roman Kern. A Semantic Federated Search Engine For Domain-Specific Document Retrieval. In *Symposium on Applied Computing, SAC 2017*, to appear.
- [13] Mauro Dragoni. Computational Advertising in Social Networks: an Opinion Mining-based Approach. In *Symposium on Applied Computing, SAC 2017*, to appear.
- [14] Mihael Arcan, Mauro Dragoni, and Paul Buitelaar. Translating Ontologies in Real-World Settings. *International Semantic Web Conference (2) 2016*, pages 241-256 (**BEST PAPER NOMINEE**)
- [15] Mihael Arcan, Mauro Dragoni, and Paul Buitelaar. The ESSOT System Goes Wild: an Easy Way For Translating Ontologies. In *International Semantic Web Conference (Posters & Demos) 2016* (**BEST DEMO AWARD**)

- [16] Mauro Dragoni, Célia da Costa Pereira, Andrea G. B. Tettamanzi, and Serena Villata. SMACK: An Argumentation Framework for Opinion Mining. In *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, IJCAI 2016*, pages 4242–4243
- [17] Francesco Corcoglioniti, Mauro Dragoni, Marco Rospocher, and Alessio Palmero Arosio. Knowledge Extraction for Information Retrieval. In *13th Extended Semantic Web Conference, ESWC 2016*, pages 317–333
- [18] Mauro Dragoni, Elena Cabrio, Sara Tonelli, and Serena Villata. Enriching a Small Artwork Collection Through Semantic Linking. In *13th Extended Semantic Web Conference, ESWC 2016*, pages 724–740
- [19] Mauro Dragoni. Multilingual Ontology Mapping in Practice: A Support System for Domain Experts. In *14th International Semantic Web Conference, ISWC 2015*, pages 169–185
- [20] Mauro Dragoni, and Giulio Petrucci. Supporting Multilingual Ontology Matching With MoKi. In *International Semantic Web Conference (Posters & Demos) 2015*
- [21] Mauro Dragoni, Chiara Ghidini, Paolo Busetta, Mauro Fruet, and Matteo Pedrotti. Using Ontologies for Modeling Virtual Reality Scenarios. In *12th Extended Semantic Web Conference, ESWC 2015*, pages 575–590
- [22] Mauro Dragoni. Exploiting Multilinguality For Creating Mappings Between Thesauri. In *Symposium on Applied Computing, SAC 2015*, pages 382–387
- [23] Chiara Di Francescomarino, Mauro Dragoni, Chiara Ghidini, Richard Heininger, Udo Kannengiesser, and Matthias Neubauer. Collaborative Subject-oriented Workplace Re-design. In *Proceedings of the BPM Demo Session 2015 Co-located with the 13th International Conference on Business Process Management, BPM (Demos) 2015*, pages 50–54
- [24] Chiara Di Francescomarino, Francesco Corcoglioniti, Mauro Dragoni, Piergiorgio Bertoli, Roberto Tiella, Chiara Ghidini, Michele Nori, and Marco Pistore. Semantic-Based Process Analysis. In *International Semantic Web Conference, ISWC 2014, (2)* pages 228–243
- [25] Matteo Matassoni, Marco Rospocher, Mauro Dragoni, and Paolo Bouquet. TEX-OWL: a Latex-Style Syntax for authoring OWL 2 ontologies. In *International Semantic Web Conference (Posters & Demos), ISWC 2014*, pages 357–360
- [26] Mauro Dragoni, Piergiorgio Bertoli, Chiara Di Francescomarino, Chiara Ghidini, Michele Nori, Marco Pistore, Roberto Tiella, and Francesco Corcoglioniti. Modeling and Monitoring Processes exploiting Semantic Reasoning. In *International Semantic Web Conference (Posters & Demos), ISWC 2014*, pages 121–124
- [27] Alessio Bosca, Matteo Casu, Mauro Dragoni, and Chiara Di Francescomarino. Using Semantic and Domain-Based Information in CLIR Systems. In *11th Extended Semantic Web Conference, ESWC 2014*, pages 240–254
- [28] Mauro Dragoni, Chiara Di Francescomarino, Chiara Ghidini, Julia Clemente, Salvador Sánchez Alonso. Guiding the Evolution of a Multilingual Ontology in a Concrete Setting. In *10th Extended Semantic Web Conference, ESWC 2013. (BEST PAPER NOMINEE)*
- [29] Mauro Dragoni, Chiara Di Francescomarino, Matteo Gerosa, Chiara Ghidini, Marco Rospocher, and Michele Trainotti. Achieving Interoperability Through Semantic Technologies in the Public Administration. In *9th Extended Semantic Web Conference, ESWC 2012*.
- [30] Mauro Dragoni et. al. Wiki-based conceptual modeling: an experience with the Public Administration. In *10th International Semantic Web Conference, InUse Track - ISWC 2011*, volume 7032 of *Lecture Notes in Computer Science*, pages 17–32, Bonn, 2011. Springer.

Proceedings of Further Conferences and Workshops

- [31] Andi Rexha, Mark Kröll, Mauro Dragoni, and Roman Kern. Polarity Classification for Target Phrases in Tweets: A Word2Vec Approach. In *ESWC (Satellite Events) 2016*, pages 217-223
- [32] Célia da Costa Pereira, Mauro Dragoni, Andrea G. B. Tettamanzi, and Serena Villata. Fuzzy Labeling for Abstract Argumentation: An Empirical Evaluation. In *Scalable Uncertainty Management - 10th International Conference, SUM 2016*, pages 126-139
- [33] Mihael Arcan, Mauro Dragoni, and Paul Buitelaar. ESSOT: An Expert Supporting System for Ontology Translation. In *Natural Language Processing and Information Systems - 21st International Conference on Applications of Natural Language to Information Systems, NLDB 2016*, pages 60-73
- [34] Andi Rexha, Mauro Dragoni, Roman Kern, and Mark Kröll. An Information Retrieval Based Approach for Multilingual Ontology Matching. In *Natural Language Processing and Information Systems - 21st International Conference on Applications of Natural Language to Information Systems, NLDB 2016*, pages 433-439
- [35] Tania Bailoni, Mauro Dragoni, Claudio Eccher, Marco Guerini, and Rosa Maimone. PerKApp: A context aware motivational system for healthier lifestyles. In *IEEE International Smart Cities Conference, ISC2 2016*, pages 1-4
- [36] Mauro Dragoni, Andrea Tettamanzi, and Célia da Costa Pereira. DRANZIERA: An Evaluation Protocol For Multi-Domain Opinion Mining. In *Proceedings of the Tenth International Conference on Language Resources and Evaluation, LREC 2016*
- [37] Tania Bailoni, Mauro Dragoni, Claudio Eccher, Marco Guerini, and Rosa Maimone. Healthy Lifestyle Support: The PerKApp Ontology. In *Ontology Engineering - 13th International Experiences and Directions Workshop on OWL, OWLED 2016*, to appear.
- [38] Marco Federici, and Mauro Dragoni. Towards Unsupervised Approaches For Aspects Extraction. In *Joint Proceedings of the 2th Workshop on Emotions, Modality, Sentiment Analysis and the Semantic Web and the 1st International Workshop on Extraction and Processing of Rich Semantics from Medical Texts co-located with ESWC 2016, EMSA-RMed@ESWC 2016*
- [39] Mauro Dragoni, Chiara Ghidini, Paolo Busetta, Mauro Fruet, and Matteo Pedrotti. An Ontology for Supporting the Evolution of Virtual Reality Scenarios. In *Ontology Engineering - 12th International Experiences and Directions Workshop on OWL, OWLED 2015*, pages 33-44
- [40] Gonalo Antunes, Marzieh Bakhshandeh, Jos Luis Borbinha, Joao Cardoso, Sharam Dadashnia, Chiara Di Francescomarino, Mauro Dragoni, Peter Fettke, Avigdor Gal, Chiara Ghidini, Philip Hake, Abderrahmane Khat, Christopher Klinkmiller, Elena Kuss, Henrik Leopold, Peter Loos, Christian Meilicke, Tim Niesen, Catia Pesquita, Timo Pus, Andreas Schoknecht, Eitam Sheerit, Andreas Sonntag, Heiner Stuckenschmidt, Tom Thaler, Ingo Weber, and Matthias Weidlich. The Process Model Matching Contest 2015. In *Enterprise Modelling and Information Systems Architectures, Proceedings of the 6th Int. Workshop on Enterprise Modelling and Information Systems Architectures, EMISA 2015*, pages 127-155
- [41] Paolo Busetta, Mauro Fruet, Piero Consolati, Chiara Ghidini, and Mauro Dragoni. Developing an ontology for autonomous entities in a virtual reality - the PRESTO experience. In *Modelling and Simulation for Autonomous Systems Workshop, MESAS 2015*
- [42] Mauro Dragoni. SHELLFBK: An Information Retrieval-based System For Multi-Domain Sentiment Analysis. In *Proceedings of the 9th International Workshop on Semantic Evaluation, SEMEVAL 2015*, pages 502-509
- [43] Udo Kannengiesser, Matthias Neubauer, Chiara Di Francescomarino, Mauro Dragoni, Chiara Ghidini, and Richard Heininger. In *Worker-Driven Improvement of Processes in Smart Factories. Mensch & Computer Workshopband 2015*, pages 239-244

- [44] Cleo Sgouropoulou, Anastasios Koutoumanos, Evangelia Triperina, and Mauro Dragoni. Ontology-driven linked open (meta-) data services for e-research systems. In *Panhellenic Conference on Informatics 2015*, pages 363–368
- [45] Mauro Dragoni. Exploiting multilinguality for ontology matching purposes. In *Proceedings of the 10th International Workshop on Ontology Matching, OM 2015*, pages 234–235
- [46] Mauro Dragoni, Guido Governatori, and Serena Villata. Automated Rules Generation from Natural Language Legal Texts. In *Automated Detection, Extraction and Analysis of Semantic Information in Legal Texts Workshop, ASAIL 2015*
- [47] Mauro Dragoni, Alessio Bosca, Matteo Casu, and Andi Rexha. Modeling, Managing, Exposing, and Linking Ontologies with a Wiki-based Tool. In *Language Resources and Evaluation Conference, LREC 2014*, pages 1668–1675
- [48] Alessio Bosca, Matteo Casu, Mauro Dragoni, and Nikolaos Marianos. A Gold Standard for CLIR evaluation in the Organic Agriculture Domain. In *Language Resources and Evaluation Conference, LREC 2014*, pages 3667–3670
- [49] Matteo Matassoni, Marco Rospocher, Mauro Dragoni, and Paolo Bouquet. Authoring OWL 2 Ontologies with the TEX-OWL Syntax. In *OWL Experiences and Directions Workshop, OWLED 2014*, pages 133–138
- [50] Mauro Dragoni, Andi Rexha, Matteo Casu, and Alessio Bosca. A term-based approach for matching multilingual thesauri. In *Ontology Matching Workshop, OM 2014*, pages 174–175
- [51] Piergiorgio Bertoli, Chiara Di Francescomarino, Mauro Dragoni, and Chiara Ghidini. Reasoning-Based Techniques for Dealing with Incomplete Business Process Execution Traces. In *XIIIth International Conference of the Italian Association for Artificial Intelligence, AIXIA 2013*, pages 469–480
- [52] Mauro Dragoni and Chiara Ghidini. Evaluating the Impact of Ontology Evolution Patterns on the Effectiveness of Resources Retrieval. In *2nd Joint Workshop on Knowledge Evolution and Ontology Dynamics, EvoDyn 2012*.
- [53] Mauro Dragoni and Chiara Ghidini. Ontology Evolution with Semantic Wikis. In *6th Workshop on Ontology, Models, Conceptualization AND Epistemology in Social, Artificial and Natural Systems, ONTOSE 2012*.
- [54] Mauro Dragoni, Antonia Azzini, and Andrea G.B. Tettamanzi. Electrocardiographic Signal Classification with Evolutionary Artificial Neural Networks. In Cecilia Di Chio *et al.*, editor, *Applications of Evolutionary Computation, EvoApplications 2012, vol. I*, volume 7248 of *Lecture Notes in Computer Science*, pages 295–304, Berlin, 2012. Springer.
- [55] Mauro Dragoni, Antonia Azzini, and Andrea G.B. Tettamanzi. A Neuro-evolutionary Approach to Intraday Financial Modeling. In Cecilia Di Chio *et al.*, editor, *Applications of Evolutionary Computation, EvoApplications 2012, vol. II*, volume 7248 of *Lecture Notes in Computer Science*, pages 155–164, Berlin, 2012. Springer. **(BEST PAPER AWARD)**
- [56] Mauro Dragoni, Antonia Azzini, and Andrea G.B. Tettamanzi. SimBa-2: Improving a Novel Similarity-Based Crossover for the Evolution of Artificial Neural Networks. In *11th International Conference on Intelligent Systems Design and Applications, ISDA 2011*.
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