

General
Information

Date of Birth: 10 September 1986
Place of Birth: Elbasan, Albania
Citizenship: Albania
E-mail: spahiu.blerina@gmail.com



Qualification

National Scientific qualification as an Associate Professor in the Italian higher education system, specializing in the disciplinary field of 09/H1 - Information Processing Systems (Academic Recruitment Field 09/H - Computer Engineering, as for the national classification).

Research
Interest

Semantic Web Technologies, Knowledge Graphs Profiling, Data Understanding, Quality Assessment and Data Cleaning on Knowledge Graphs, Big Data Analytics, Big Data Enrichment and Interoperability, Data Mining and Artificial Intelligence.

Research
Profile

I am an Assistant Professor at the University of Milano-Bicocca, Department of Informatics, Systems, and Communication (DISCo) in Italy. Additionally, I have spent 5 months at IBM Almaden in San Jose, California as a visiting researcher. My academic journey includes obtaining a Ph.D. in Computer Science from the University of Milano-Bicocca in 2017, during which I also spent six months at the University of Mannheim's Data and Web Science Group in Germany back in 2015. Prior to that, I earned an MSc in Electronic Engineering from the Polytechnic University of Tirana, Albania, in 2012, and a Bachelor of Science degree as an Electronic Engineer from the same university in September 2008.

My expertise lies in various areas such as knowledge graph profiling, quality evaluation, and data enrichment. Over the years, I have contributed to the Semantic Web community by publishing scientific papers on these topics in reputable conferences and journals. My involvement in the academic community extends to serving on the program committee of several international and top-tier conferences, where I have taken on roles as a chair and reviewer. I maintain valuable collaborations with numerous foreign researchers from academic institutions and companies, progressing research in my fields of expertise.

Education

University of Milano - Bicocca, 20126 Milano (MI), Italy

Ph.D., In Informatics, February 2014 - March 2017

- Thesis Title: Profiling Linked Data
<https://boa.unimib.it/handle/10281/151645>
- Area of Study: informatics
- Ph.D. period abroad at **University of Mannheim, Germany**.
- The doctoral research tackled problems related to Profiling Linked Data. It covered three aspects of profiling; topic-based, schema-based and linkage-based. Such profile is fundamental for the decision-making process and is the basic requirement towards the dataset understanding. Regarding topic-profiling, an approach to automatically classify datasets in one of the topical categories used in the LD cloud is presented. For the schema-based profiling a schema-based summarization approach is proposed that provides an overview about the relations in the data. The summaries are concise and informative enough to summarize the whole dataset. As often datasets have overlapping information, linkage-based profiling supports user understanding with information about the number and the list of equivalent entities between datasets and reveal possible errors.

- Courses and Summer Schools during PhD:
 1. Clustering Analyses
 2. Ubiquitous and Adaptive Systems: Innovation-Driven Modeling and Design
 3. Big Data Profiling
 4. ESWC summer school - August 31- September 5, 2015, Crete, Greece
 5. ALIAS summer school - September 14-19, 2015, Como, Italy
 6. European Data Science Summer School - September 26-30, 2016, Saarbruecken, Germany

MSc. Electronic Engineering, Polytechnic University of Tirana, Albania
September 2008 - July 2012

- Thesis Title: Performance of different operating systems in VMware
- Area of Study: electronic and informatics

BSc. Electronic Engineering, Polytechnic University of Tirana, Albania
September 2005 - September 2008

- Thesis Title: Electronics in medicine: ECG
- Area of Study: electronics and informatics

High School: Kostandin Kristoforidhi, Elbasan, Albania

- September 2001 - July 2005

Employment

DISCO - UNIMIB (Department of Informatics, University of Milano - Bicocca), Milano, Italy:

- 15/06/2023 - Present: Assistant Professor
- MOST-PNRR (CENTRO NAZIONALE MOBILITA' SOSTENIBILE). Developing and implementing innovative approaches to analyze, integrate, and process mobility data.
- 01/03/2022 - 14/06/2023: PostDoc Researcher (Assegno di Ricerca A2 MIUR)
- Improving the Quality of Knowledge Graphs. The research aims to improve the quality of different versions of knowledge graphs by means of data profiling algorithms and tools. Moreover, it concerns the development of quality metrics of RDF data.
- 01/01/2020 - 28/02/2022: PostDoc Researcher (Assegno di Ricerca B)
- FOODNET Project. Development of algorithms to profile food and nutrition data. Moreover, it concerns the design and the development of an ontology to describe semantically nutrition data.
- 01/12/2018 - 30/11/2019 Research Scholarship
- Development of techniques to summarize Knowledge Graphs.
- 01/01/2018 - 30/11/2018: PostDoc Researcher (Assegno di Ricerca B)
- EUBusinessGraph. Development of algorithms and techniques to profile Knowledge Graphs. Moreover, it concerns the design and the development of an ontology to model semantically event data.
- 01/08/2015 - 31/12/2017: Research Scholarship
- Development of algorithms and techniques to profile Knowledge Graphs. The scholarship regards the development of techniques to extract from Knowledge Graphs information about the topic, a summary of its content and information and the number of same entities among different sources.

- 01/07/2014 - 31/07/2015: Co.Co.Co
- COMSODE Project. Development of guidelines and methodology on profiling public administration data.

INSTAT (National Institute of Statistics, Tirana, Albania)

- 01/10/2009 - 31/01/2014: IT Specialist
- **Responsible** for Active Directory Management, Windows Server 2003/2008, Microsoft Exchange 2007- 2010, Data Protection Manager, System Center essential 2010, Network monitoring.
- Teaching Assistant for Courses: MS Excel and SPSS.

ADHS (Albanian Demographic and Health Survey Project, Tirana, Albania)

- 01/10/2008 - 30/09/2009: IT Specialist
- **Responsible** for software and hardware maintenance, programming some of the tabulations for the results of the fieldwork, writing reports, programming some of the tables of the final report for the “Albanian Demographic and Health Survey” (ADHS).

SDCCD (The socio-demographic changes and child development Tirane, Albania)

- 09/2010 - 03/2011: Researcher
- Analysing results of the survey with SPSS and writing the final report.

Internship Department of IP& DATA and Department of Card Phonic System, Albtelekom Sha, Albania

- March 2008 - June 2008
- Area of Work: IP and Data Management
- Activities: analyze and find solutions to the problems of Card Phonic Systems.

Projects

Global Network on Large-Scale, Cross-domain and Multilingual Open Knowledge Graphs (GOBLIN)

This COST Action project aims to provide a large-scale, high quality, cross-domain and multilingual knowledge graph technology that is free to use, reuse, and redistribute. Duration 2022-2025.

- Leader of Working Group 2: Knowledge Graphs Management.
- lay the foundations and develop best practices in data quality assurance, metadata, provenance, cleansing, exploration, mining and security aspects of knowledge graphs.

Enabling Data Enrichment Pipelines for AI-driven Business Products and Services (enRichMyData)

The project aims to provide a novel paradigm for building rich, high-quality, and valuable datasets to feed Big Data Analytics and AI applications. Duration 2022-2025.

- construct an AI knowledge graph from scholarly data.
- development of metrics for linking and matching resources between different KG.

Nexus Linguarum eCOST Action CA18209

The main aim of this Action is to promote synergies across Europe between linguists, computer scientists, terminologists, language professionals, and other stakeholders in industry and society, in order to investigate and extend the area of linguistic data science. Duration 2020-2024.

- task 1.4 leader
- profile and evaluate the quality of linguistics data.
- development of quality metrics for linguistic data.

InterTwino

Building competence in data enrichment for artificial intelligence. Duration 2021-2023.

- Big Data enrichment and interoperability challenges and scientific and technological landscape.
- Development of Knowhow transfer and collaboration platform.
- Advanced learning and training materials for building competitive Data Enrichment and Interoperability skills.
- Research capacity development for Early Stage Researchers.

Food Social Sensor Network (FODNET), University of Milan - Bicocca, Italy.

Food Net is a Smart Cities and Communities project that aims to: identify and interpret the nutritional needs of specific consumer targets, encourage process and product innovation of agri-food companies through implementation of infrastructures, implement the quality of life and the nutritional status of citizens through functional food, etc. Duration 2018-2021.

- main goals: propose and develop an ontology for food and nutrition needs.
- profile and evaluate the quality of food data.

European Business Graph (euBusinessGraph), University of Milan - Bicocca, Italy.

The project aims to create a cross-border knowledge graph of companies, and a set of innovative business products and services build upon the knowledge graph. Duration 2018-2019.

- main contribution in defining and developing an ontology for event data.

Supporting Event and Weather-based Data Analytics and Marketing along the Shopper Journey (EW-SHOPP), University of Milan - Bicocca, Italy.

The aim of the project is to build a platform with innovative services based on advanced data analysis techniques capable to leverage the large variety and volume of data from multiple sources. Duration 2018-2019.

- definition and development of a reconciliation services for data enrichment purposes.

Components Supporting The Open Data Exploitation Project (COMSODE Project), University of Milan - Bicocca, Italy.

The aim of the project is to develop a methodology to support the public administration in the publication of Open Data. Duration 2014-2016.

- the main focus is writing a methodology on how to make data profiling and quality assessment/improvement of the datasets.

Fellowships and
Consulting
Activities

- **Fellowship** awarded for the Research Expertise from the Academic Diaspora (READ) Fellowship Program at the University of Tirana. The fellowship will support students at the University of Tirana to explore the essential principles of statistical analysis and introduce the SPSS interface and functionalities so that researchers can navigate and utilize the software for their research needs. Duration 2024-2025.
- **Fellowship** awarded at the Dalle Molle Institute of Artificial Intelligence - IDSIA, SUPSI, Lugano Switzerland. Duration December 2024.
- **Fellowship** awarded at the InterTwino Project, with the University of Bulgaria. Building competences in data enrichment for artificial intelligence. Duration 2021-2024.
- **Independent consultant** for the study "Knowledge, attitudes, and practices study regarding dropout in upper secondary schools in Albania". Development of the data-entry program using CsPro and quantitative analysis with SPSS. Duration 2022-2023.
- **Intensive teaching course** for public administration of Umbria Region. Public data in an open format and the design and development of a ETL publication pipeline in KNIME. March 2022
- **Intensive teaching course** for TechRAIN company. A full-day course on NoSQL databases, with a particular focus on MongoDB and querying DBs using Shell and Python libraries. (October 2019)
- **Data Analyst** at SOUL project, Lombardy Region. A detailed analysis of the ways public administration shares data and the definition of a shared schema. Deliverable writing

	<p>September - October 2020.</p> <ul style="list-style-type: none"> • Independent consultant for the study "Assessment of the effectiveness of State Police programs to develop partnerships with a focus on children and youth". Development of the data-entry program using CsPro and quantitative analysis with SPSS. Duration 2012-2013. • Independent consultant for the study "Assessment of the reproductive health services in Tirana". Development of the data-entry program using CsPro and quantitative analysis with SPSS. Duration 2012-2013.
Professional Activities	<ul style="list-style-type: none"> • Visiting Researcher at IBM Almaden, San Jose, California in the "Intelligence Augmentation" group, February 2023 - July 2023. The visit has the aim to build collaboration with IBM researchers in building applications on Knowledge Graphs from scholarly data. • Visiting Researcher at IDSIA, SUPSI, Lugano, Switzerland December 2023. The visit has the aim to build collaboration with IDSIA researchers in building industrial applications using Knowledge Graphs and Semantic Technologies. • Co-chair of pannel eveluation for projects of the CHIST-ERA call, May 2023, Prague, Czech Republic. • Virtual Mobility Grant winner in the COST Action CA18209, on Profiling Linguistic Knowledge Graphs. • External Reviewer for projects of the Esmera Project Call 2020, Reviewing Period: January-February 2020. • Visiting PhD student at Data and Web Science Group, University of Mannheim, Germany in the group of Christian Bizer, February 2015 - July 2015. During such period I established collaboration with the DWS Group.
Teaching Experience	<p>Professor</p> <ul style="list-style-type: none"> • Lecturer in the PhD course Data Management for Machine Learning, Department of Informatics, University of Milan - Bicocca, Italy, September 2023. • Lecturer for the course Fundamentals of Informatics for Earth Sciences, Department of Informatics, University of Milan - Bicocca, Italy, September 2023 - July 2025. • Lecturing Professor. Lecturing and seminars on the subject "Theory of Research" at the Faculty of Social Science, University of Tirana, Albania for the Bachelor in Informatics (2012-2014). • Lecturing Professor. Lecturing and seminars on the subject "Information System Development" and "Computer Applications" at the Faculty of Information Technology, University of Durres, Albania (2012-2014). <p>Teaching Assistant</p> <ul style="list-style-type: none"> • Assistant for Database Systems, Department of Informatics, University of Milan - Bicocca, Italy. Organize laboratories and exercises for students for the course Database Systems of the Bachelor in Informatics (2019-2022). • Assistant for the Data Semantics, Department of Informatics, University of Milan - Bicocca, Italy. Organize exercises and support students for the course of Data Semantics of the Master in Data Science (2018-2022). • Assistant for the Data Technology, Department of Informatics, University of Milan - Bicocca, Italy. Organize exercises and support students for the course of Data Technology of the Master in Informatics (2018-2020). • Laboratory assistant: Programming in Java Tutor, Department of Informatics, University of Milan - Bicocca, Italy. Support first-year students of Bachelor in Informatics in the laboratories for Java Programming Language (2016-2020).
Community Service	<p>Journals</p> <ul style="list-style-type: none"> • Journal Associate Editor from December 2023 of the Artificial Intelligence Review,

Impact Factor of 12.00, (Q1) ranked in category "Computer Sciences, Artificial Intelligence".

- Guest Editor for the **Special issue on Large Language Models, Generative AI and Knowledge Graphs** at the Semantic Web Journal.
- Journal Editor from December 2022 of the **Human-centric Computing and Information Sciences Journal**, Impact Factor of 6.558, ranks 27/164 (Q1) in the category "Computer Sciences, Artificial Intelligence".
- Journal Editor from November 2022 of the **International Journal of Data Science and Analysis**, Impact Score of 2.52, ranks (Q2) in categories Computer Science Applications and Information Systems.
- Springer Journal Editor **Transactions on Large-Scale Data and Knowledge-Centered Systems**, November 2022.
- Journal Editor from December 2022 of the **Frontiers in Big Data**, Impact Factor of 4.0, (Q2) in category "Computer Sciences, Artificial Intelligence".
- Guest Editorial board of the Special Issue "Knowledge Graphs Validation and Quality" at the **Semantic Web Journal**, May 2022.
- **Journal Peer Reviewer**: Information Systems, ACM Journal of Data and Information Quality 2019, Future Generation Computer Science 2019, Information Systems 2019, etc.

Conferences and Summer Schools

- ISWC-2025: International Semantic Web Conference. **Organisation Committee**, Workshop and Tutorials Chair.
- SEMANTiCS-2025: **Research and Innovation Track Chair**, 9-13 September 2025, Vienna, Austria.
- M2L-2024: Mediterranean Machine Learning Summer School **Organisation Committee**, 9-13 September 2024, Milan, Italy.
- SEMANTiCS-2024 **Publicity Chair**, 17-19 September 2024, Amsterdam, Netherlands.
- K-CAP2023 **Publicity Chair**, 13-16 September 2023, Pensacola, Florida USA.
- LDK2023 **Workshop and Tutorial Chair**, 13-16 September 2023, Vienna, Austria.
- ProLingKNOWER (Profiling Linguistics Knowledge Graphs -2nd edition) **workshop organisation**, 12 September 2023, Vienna, Austria.
- ProLingKNOWER (Profiling Linguistics Knowledge Graphs -1st edition) **workshop organisation**, 23 May 2022, Jerusalem, Israel.
- Mediterranean Machine Learning Summer School - Volunteering - 12-16 September 2022, Milan, Italy.
- **Member of the international scientific committee of conferences** ISWC2017-ISWC2021, ESWC2017-ESWC2021, KEOD 2019, WWW2018, GeoLD2018, LDQ2017, EKAW2016, Semantics2016, KEOD2016, KSEM2015.

Others

- **Jury member of the Ph.D. defense** for the Ph.D. candidate Daniel Fernandez Alvarez, 9 September 2022 at the University of Oviedo, Spain.
- **Invited Talk**: "Enhancing robots knowledge with Semantic Web Technologies"- In the IEEE Conference on Emerging Technologies and Factory Automation, September 4th - 7th, 2018, Torino, Italy

Awards & Grants

- **Swiss-European Mobility Programme Grant** for research and teaching activities at the Scuola Universitaria Professionale della Svizzera Italiana (SUPSI), Lugano, Switzerland.
- **MobidataLab Codagon** winner of the 3rd place in the challenge of Event Accessibility for Big Cities. Award of 1000 Euros.
- **Virtual Mobility Grant** winner in the COST Action CA18209, on Profiling Linguistic Knowledge Graphs.

- **Best Poster** at Language, Data and Knowledge Conference 2023, Vienna, Austria.
- **Best Paper Award** at WOP co-located with the International Semantic Web Conference 2018, "Towards Improving the Quality of Knowledge Graphs with Data-driven Ontology Patterns and SHACL".
- Selected to participate to **IBM's Best Student Recognition Event** 2016
- **Best Paper Award** at SUMPRES co-located with the European Semantic Web Conference 2016, "ABSTAT: Ontology-driven Linked Data Summaries with Pattern Minimization".

Foreign Languages

- English (TOEFL exam) - Proficiency C2
- Italian (CELI exam) - Proficiency C2
- Albanian - Mother Tongue

Software & Technology Skills

Java, Python, R, SPARQL, MongoDB, Neo4J, RapidMiner, SPSS, CsPro, etc.

Journal Publications

- [1] Angelo Moroncelli, Vishal Soni, Asad Ali Shahid, Marco Maccarini, Marco Forgione, Dario Piga, **Blerina Spahiu**, Loris Roveda: Integrating Reinforcement Learning with Foundation Models for Autonomous Robotics: Methods and Perspectives. Submitted to the Artificial Intelligence Review Journal.
- [2] Lorenzo Delfini, **Blerina Spahiu**, Giuseppe Vizzari: Visual Analytics for Sustainable Mobility: Usability Evaluation and Knowledge Acquisition for Mobility-as-a-Service (MaaS) Data Exploration. Digital 4.4 (2024): 821-845.
- [3] Marco Cremaschi, **Blerina Spahiu**, Jessica Amianto Barbato, Matteo Palmonari, Ernesto Jimenez-Ruiz: Survey on Semantic Interpretation of Tabular Data: Challenges and Directions. Submitted to the Artificial Intelligence Review Journal.
- [4] **Blerina Spahiu**, Matteo Palmonari, Renzo Arturo Alva Principe, Anisa Rula: Understanding the Structure of Knowledge Graphs with ABSTAT Profiles. Journal: Semantic Web, vol. 15, no. 5, pp. 1519-1545, 2024. DOI: 10.3233/SW-223181.
- [5] Renzo Arturo Alva Principe, Andrea Maurino, Matteo Palmonari, Michele Ciavotta, **Blerina Spahiu**: ABSTAT-HD: A scalable tool for profiling very large Knowledge Graphs. In: The International Journal on Very Large Data Bases (The VLDB Journal, 1-26).
- [6] Dagmar Gromann, Elena-Simona Apostol, Christian Chiarcos, Marco Cremaschi, Jorge Gracia, Katerina Gkirtzou, Chaya Liebeskind, Verginica Barbu Mititelu, Liudmila Mockiene, Michael Rosner, Ineke Schuurman, Gilles Sérasset, Purificação Silvano, **Blerina Spahiu**, Ciprian-Octavian Truica, Andrius Utkas, Giedrė Valūnaitė Oleškevičienė: Multilinguality and LLOD: A Survey Across Linguistic Description Levels. Accepted to appear at the Semantic Web Journal.
- [7] Maria Pia di Buono, Hugo Gonçalo Oliveira, Verginica Barbu Mititelu, **Blerina Spahiu**, Gennaro Nolano. Paving the Way for Enriched Metadata of Linguistic Linked Data. Semantic Web 13(6): 1133-1157 (2022)
- [8] Marco Cremaschi, Flavio De Paoli, Anisa Rula, **Blerina Spahiu**: A fully automated approach to a complete Semantic Table Interpretation. Future Generation Computer Systems 112: 478-500 (2020).
- [9] **Blerina Spahiu**, Andrea Maurino and Robert Meusel: Topic profiling benchmarks in the Linked Open Data Cloud: Issues and lessons learned". In: Semantic Web Journal 10.2, pp. 329–348 (2019).

- [10] Gianluigi Viscusi, **Blerina Spahiu**, Andrea Maurino, Carlo Batini. Compliance with open government data policies: An empirical assessment of Italian local public administrations. In *Information Polity Journal* 19.3-4, pp. 263–275.
- Conferences and Workshop Publications
- [11] Alessandro Leanza, Angelo Moroncelli, Giuseppe Vizzari, Francesco Braghin, Loris Roveda, **Blerina Spahiu**: ConceptBot: Enhancing Robot's Autonomy through Task Decomposition with Large Language Models and Knowledge Graphs - Submitted to the Knowledge Discovery in Databases, Research Track 2025.
- [12] **Blerina Spahiu**, Daniela Briola, Riccardo Sartori and Giuseppe Vizzari: A Data-Driven Approach Supporting Location Decisions for Docking Stations in Bike-Sharing Systems. ECAI 2024 - 27th European Conference on Artificial Intelligence, 19-24 October 2024, Santiago de Compostela, Spain - Including 13th Conference on Prestigious Applications of Intelligent Systems (PAIS 2024).
- [13] **Blerina Spahiu**, Anna Lisa Gentile, Chad DeLuca and Andrea Maurino: Skills and Expertise in Large Organizations An Enterprise Knowledge Graph Approach. 4th International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment 12 November 2024 - Baltimore, MD, USA co-located with The 23rd International Semantic Web Conference, ISWC 2024.
- [14] Dagmar Gromann, Jorge Gracia, Katerina Gkirtzou, Michael Rosner, Ineke Schuurman, Gilles Sérasset, **Blerina Spahiu**, Ciprian Octavian Truica. From Linguistic Linked Data to Big Data. LREC-COLING 2024, Torino, Italy.
- [15] Maria Pia di Buono, **Blerina Spahiu**, Verginica Barbu Mititelu "Evaluating Large Language Models for Linguistic Linked Data Generation". Deep Learning and Linked Data co-located with LREC-COLING, 2024, Torino, Italy.
- [16] Dagmar Gromann, Hugo Goncalo Oliveira, Lucia Pitarch, Elena-Simona Apostol, Jordi Bernad, Eliot Bytyçi, Chiara Cantone, Sara Carvalho, Francesca Frontini, Radovan Garabik, Jorge Gracia, Letizia Granata, Fahad Khan, Timotej Knez, Penny Labropoulou, Chaya Liebeskind, Maria Pia di Buono, Ana Ostroški Anić, Sigita Rackevičienė, Ricardo Rodrigues, Gilles Sérasset, Linas Selimaitis, Mahammadou Sidibé, Purificação Silvano, **Blerina Spahiu**, Enriketa Sogutlu, Ranka Stanković, Ciprian-Octavian Truică, Giedrė Valūnaitė Oleškevičienė, Slavko Zitnik, Katerina Zdravkova. MultiLexBATS: Multilingual Dataset of Lexical Semantic Relations. LREC-COLING 2024, Torino, Italy.
- [17] Fariha Maqbool, **Blerina Spahiu**, Andrea Maurino Impact of Data Augmentation on Hate Speech Detection in Roman Urdu. 32nd Symposium on Advanced Database Systems. June 23-26, 2024 - Villasimius, Sardinia, Italy.
- [18] Verginica Barbu Mititelu, Maria Pia di Buono, Hugo Gonçalo Oliveira, **Blerina Spahiu**, Giedre Valunaite Oleskeviciene: "Adopting Linguistic Linked Data Principles: Insights on Users' Experience". Language, Data, and Knowledge Conference (LDK 2023), 12-15 September in Vienna, Austria.
- [19] Gollam Rabby, Farhana Keya, Vojtěch Svátek and **Blerina Spahiu**: "Pruning and re-ranking the frequent patterns in knowledge graph profiling using machine learning:" - ProLingKNOWER 2023 co-located with LDK 2023, Vienna, Austria 12-15 September 2023.
- [20] Beshar Massri, **Blerina Spahiu**, Marko Grobelnik, Vladimir Alexiev, Matteo Palmonari, Dumitru Roman: "Towards InnoGraph: A Knowledge Graph for AI Innovation". 3rd International Workshop on Scientific Knowledge: Representation, Discovery, and Assessment (Sci-K) co-located with The Web Conference, April 30 - May 4, 2023.

- [21] **Blerina Spahiu**, Renzo Alva Principe and Andrea Maurino: "Profiling Linguistic Knowledge Graphs" - ProLingKNOWER 2022, Jerusalem, Israel 23-24 May 2022.
- [22] Loris Roveda, Gloria Farinella, Marco Maccarini, Filippo Pura, Nicola Castaman, **Blerina Spahiu**, Asad Ali Shahid, Mattia Marconi, Oscar Ferrato, Francesco Braghin, Dario Piga: "Multi-Objects Robotic Grasping Optimization Employing a 2D camera". 2022 International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME).
- [23] Marco Valzelli, Andrea Maurino, Matteo Palmonari and **Blerina Spahiu**: "Towards an Access Control Model for Knowledge Graphs". SEBD 2021.
- [24] Michele Ciavotta, Vincenzo Cutrona, Flavio De Paoli, Matteo Palmonari, **Blerina Spahiu**: "BEE0: Semantic Support for Event-based Data Analytics". In the International Semantic Web Conference (ISWC) 2021: 580-596
- [25] Giuseppe De Pasquale, **Blerina Spahiu**, Pietro Ducange, Andrea Maurino: "Towards Automatic Classification of Sheet Music". SEBD 2020: 266-277.
- [26] Loris Roveda, **Blerina Spahiu**, Walter Terkaj. "On the Proposal of a Unified Safety Framework for Industry 4.0 Multi-Robot Scenario". In: Proceedings of the 27th Italian Symposium on Advanced Database Systems, Grosseto, Italy, June 16-19, 2019
- [27] **Blerina Spahiu**, Andrea Maurino, Matteo Palmonari. "Towards Improving the Quality of Knowledge Graphs with Data-driven Ontology Patterns and SHACL". **BEST PAPER AWARD!** 9th Workshop on Ontology Design and Patterns (WOP 2018) co-located with 17th ISWC 2018, Monterey, USA, October 9th, 2018. Pp. 52-66
- [28] **Blerina Spahiu**, Vincenzo Cutrona, Matteo Palmonari. "Towards a Unified Geospatial Data Reconciliation Platform for Data Analytics". 2nd Mobility Analytics for Spatio-temporal and Social Data co-located with 44th International Conference on Very Large Data Bases VLDB 2018 Rio De Janeiro, Brazil, 27th-31st August, 2018.
- [29] Renzo Arturo Alva Principe, **Blerina Spahiu**, Matteo Palmonari, Anisa Rula, Flavio DePaoli, Andrea Maurino. "ABSTAT 1.0: Compute, Manage and Share Semantic Profiles of RDF Knowledge Graphs". In: Proceedings of the 15th Extended Semantic Web Conference ESWC 2018, Crete, Greece, 3rd-7th June, 2018
- [30] **Blerina Spahiu**, Cheng Xie, Anisa Rula, Andrea Maurino, Hongming Cai: "Profiling Similarity Links in Linked Open Data". In: Proceedings of the 7th International Workshop on Data Engineering meets the Semantic Web In conjunction with ICDE 2016, Helsinki, Finland, May 16th, 2016
- [31] **Blerina Spahiu**, Riccardo Porrini, Matteo Palmonari, Anisa Rula, Andrea Maurino: "AB-STAT: Ontology-driven Linked Data Summaries with Pattern Minimalization". **BEST PAPER AWARD!** 2nd International Workshop on Summarizing and Presenting Entities & Ontologies co-located with ESWC2016, Crete, Greece, 29 May - 2 June 2016.
- [32] Cheng Xie, Melisachew Chekol, **Blerina Spahiu**, Christian Meilicke, Hongming Cai. "Leveraging Structural Information in Ontology Matching". In: The 30-th IEEE International Conference on Advanced Information Networking and Applications (AINA-2016), Switzerland, March 23-25, 2016.
- [33] Cheng Xie, Dominique Ritze, **Blerina Spahiu**, Hongming Cai: "Instance-based property matching in linked open data environment". In: Proceedings of the Ontology Matching in the 14th ISWC 2015, Pennsylvania, US, Oct 11-15, 2015.

- [34] Matteo Palmonari, Anisa Rula, Riccardo Porrini, Andrea Maurino, **Blerina Spahiu**, Vincenzo Ferme: "ASBTAT: Linked Data Summaries with ABstraction and STATistics". In: The Semantic Web: ESWC 2015 Satellite Events - ESWC 2015 Portoroz, Slovenia, May 31th, 2015 to June, 4th, 2015.
- [35] Robert Meusel, **Blerina Spahiu**, Christen Bizer, Heiko Paulheim. "Towards Automatic Classification of LOD datasets". In: Proceedings of the Workshop on Linked Data on the Web co-located with the 24th International World Wide Web Conference (WWW 2014), Firenze, Italy, May 19, 2015.
- [36] Blerina Spahiu. "Profiling Linked Open Data". In: Proceedings of the Doctoral Consortium in the 14th International Semantic Web Conference (ISWC 2015), Pennsylvania, US, Oct 11-15, 2015 and 14th Conference of the Italian Association for Artificial Intelligence 2015 Italy.
- [37] Gianluigi Viscusi, **Blerina Spahiu**, Andrea Maurino, Carlo Batini. "Compliance with open government data policies: An empirical assessment of Italian local public administrations". In: Rethinking Information Systems in the Public Sector, 8 June 2014, Tel Aviv.

Personal Data

I authorize the use of my personal data in accordance with Legislative Decree 196 of June 30 2003

Consapevole delle responsabilità penali in cui può incorrere in caso di dichiarazione mendace, dichiaro che il contenuto del curriculum costituisce dichiarazione ai sensi della normativa vigente in tema di autocertificazioni