



## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s)	<b>Silvio Peroni</b>
E-mail(s)	essepuntato@gmail.com silvio.peroni@unibo.it silvio.peroni@pec.it
Website(s)	<a href="https://essepuntato.it">https://essepuntato.it</a> <a href="https://www.unibo.it/sitoweb/silvio.peroni/en">https://www.unibo.it/sitoweb/silvio.peroni/en</a>
Nationality	Italian
Date of birth	15 January 1983
Gender	Male
Brief biography	<p>Silvio Peroni (ORCID: 0000-0003-0530-4305) holds a Ph.D. degree in Computer Science and is an Associate Professor at the Department of Classical Philology and Italian Studies, University of Bologna, where he teaches Basic Informatics (Bachelor's degree in Humanities) and Computational Thinking and Programming (Master's degree in Digital Humanities and Digital Knowledge).</p> <p>He is an expert in document markup and semantic descriptions of bibliographic entities using OWL ontologies. He is one of the main developers of the SPAR (Semantic Publishing and Referencing) Ontologies (<a href="http://www.sparontologies.net">http://www.sparontologies.net</a>), Director of OpenCitations (<a href="http://opencitations.net">http://opencitations.net</a>), and a founding member of the Initiative for Open Citations (I4OC, <a href="https://i4oc.org">https://i4oc.org</a>).</p> <p>His work on Semantic Publishing topics has been published by Springer in a book entitled <i>Semantic Web Technologies and Legal Scholarly Publishing</i>. He has numerous publications in international journals, including <i>Semantic Web</i>, <i>Web Semantics</i>, <i>Journal of the Association for Information Science and Technology</i>, <i>PeerJ Computer Science</i>, <i>ACM Journal on Computing and Cultural Heritage</i>, <i>Scientometrics</i>, and <i>Quantitative Science Studies</i>, and has given presentations at many important international events.</p> <p>He is an Editorial Board member of <i>Data Science</i>, <i>PeerJ Computer Science</i>, and <i>Research Ideas and Outcomes</i>, and has been a member of the Program Committee and the Organising Committee of the most important international conferences and workshops related to Web and Semantic Web technologies. He is director of the Research Centre for Open Scholarly Metadata, a member of the Digital Humanities Advanced Research Centre (DH.arc), part of the Advisory Boards of DBLP and Qeios, Ambassador for Figshare and PeerJ, member of the Association for Computing Machinery, the International Society for Scientometrics and Informetrics, and the Associazione per l'Informatica Umanistica e la Cultura Digitale.</p> <p>Among his research interests are Semantic Web technologies, markup languages for complex documents, design patterns for digital documents and ontology modelling, automatic processes of analysis and segmentation of documents, and the creation and publication of FAIR and open data, in particular in the context of the scholarly publishing domain. In particular, his recent work concerns the empirical analysis of the nature of scholarly citations, bibliometrics and scientometrics studies, the creation of visualisation and browsing interfaces for semantic data, and the development of ontologies to manage, integrate and query bibliographic information.</p>
<b>Work experience</b>	
Dates	1 March 2021 – current
Occupation or position held	Associate Professor

Main activities and responsibilities	Teaching Computer Science, Data Science, and Open Science courses at the Department of Classical Philology and Italian Studies, and researching on computational methods and semantic technologies for the Humanities.
Name and address of employer	Department of Classical Philology and Italian Studies University of Bologna Via Zamboni 32 40126 Bologna (BO) Italy
Dates	1 March 2018 – 28 February 2021
Occupation or position held	Assistant Professor (Tenure Track – RTDb)
Main activities and responsibilities	Teaching Computer Science courses at the Department of Classical Philology and Italian Studies, and researching on computational methods and semantic technologies for the Humanities.
Name and address of employer	Department of Classical Philology and Italian Studies University of Bologna Via Zamboni 32 40126 Bologna (BO) Italy
Dates	23 January 2017 – 31 March 2017
Occupation or position held	Consultant
Main activities and responsibilities	Definition of an ontology called United Nations System Document Ontology (UNDO, <a href="https://w3id.org/un/ontology/undo">https://w3id.org/un/ontology/undo</a> ) that describes the relations that may exist between UN documents, with particular regard to UN Resolutions, so as to create a cluster of semantically-related documents.
Name and address of employer	Food and Agriculture Organization United Nations Viale delle Terme di Caracalla 00153 Rome (RM) Italy
Dates	2 October 2015 – 28 February 2018
Occupation or position held	Assistant Professor (RTDa)
Main activities and responsibilities	Study on theories and implementation of models for enabling advanced analysis and visualisation of enterprise data within the fast-fashion domain.
Name and address of employer	Department of Computer Science and Engineering University of Bologna Mura Anteo Zamboni 7 40126 Bologna (BO) Italy
Dates	16 April 2013 – 4 May 2015
Occupation or position held	Consultant
Main activities and responsibilities	Translation, visualisation and visual design of ontologies from conceptual schemes, conversion of bibliographic data into RDF, writing project deliverables and scientific articles, attending project meetings.
Name and address of employer	Istituto di Scienze e Tecnologie della Cognizione Consiglio Nazionale delle Ricerche Via San Martino della Battaglia 44 00185 Roma (RM) Italy
Type of business or sector	Semantic Web
Dates	27 January 2012 – 1 October 2015
Occupation or position held	Research assistant
Main activities and responsibilities	Study on theories and implementation of models for enabling advanced semantic markup within the scholarly publishing domain.

Name and address of employer	Department of Computer Science and Engineering University of Bologna Mura Anteo Zamboni 7 40126 Bologna (BO) Italy
Type of business or sector	Semantic Web
Dates	20 days between January 2012 and October 2012
Occupation or position held	Consultant
Main activities and responsibilities	Development of DaMO, a DataCite- and CERIF-compliant Data Management Ontology, and use of DaMO to create RDF metadata for each DMP (Data Management Planning). In addition, providing mapping facilities between XML formats for publishing documents (i.e. JATS) and RDF metadata (i.e. SPAR ontologies). Project environment: JISC project "The OXFORD DMPonline Project".
Name and address of employer	Image Bioinformatics Research Group (IBRG) Department of Zoology University of Oxford The Tinbergen Building South Parks Road Oxford OX1 3PS United Kingdom
Type of business or sector	Semantic Web
Dates	19 July 2011 - 31 July 2011
Occupation or position held	Consultant
Main activities and responsibilities	Development of new features of KC-Viz, the NeOn Toolkit ( <a href="http://www.neon-toolkit.org">http://www.neon-toolkit.org</a> ) plug-in, based on the Key Concept Extraction algorithm, for ontology visualisation and navigation.
Name and address of employer	Knowledge Media institute The Open University Walton Hall MK7 6AA Milton Keynes United Kingdom
Type of business or sector	Semantic Web
Dates	04 January 2010 - 22 February 2010
Occupation or position held	Consultant
Main activities and responsibilities	Development of a NeOn Toolkit ( <a href="http://www.neon-toolkit.org">http://www.neon-toolkit.org</a> ) plug-in based on the Key Concept Extraction algorithm. The goal of the consultancy is to develop and implement a toolkit view that allows to browse through ontologies using a new navigation paradigm. NeOn is a 4-year long flagship project funded by the European Commission's 6th Framework Programme.
Name and address of employer	Knowledge Media institute The Open University Walton Hall MK7 6AA Milton Keynes United Kingdom
Type of business or sector	Semantic Web
Dates	01 November 2008 - 12 December 2008
Occupation or position held	Consultant
Main activities and responsibilities	Development of a Trust Engine for the Open Knowledge project ( <a href="http://www.openk.org">http://www.openk.org</a> ) used to assign and retrieve trust value to/from each ontology item, such as a class, a property, an instance or an entire triple. OpenKnowledge is a 3 year long STReP project financed under the European Commission's 6th Framework Programme.
Name and address of employer	Knowledge Media institute

Type of business or sector	The Open University Walton Hall MK7 6AA Milton Keynes United Kingdom Semantic Web
Dates	31 March 2008 – 30 September 2008
Occupation or position held	Internship
Main activities and responsibilities	I'm working on the Open Knowledge project ( <a href="http://www.openk.org">http://www.openk.org</a> ). My current work subject concerns the detection of key concepts of an ontology through four different approaches: density evaluation, popularity, natural category identification, best coverage discovery. OpenKnowledge is a 3 year long STReP project financed under the European Commission's 6th Framework Programme.
Name and address of employer	Knowledge Media institute The Open University Walton Hall Milton Keynes MK7 6AA United Kingdom
Type of business or sector	Semantic Web

## Teaching

### Courses

Academic year(s)	2017-2018, 2018-2019, 2019-2020
Main activities and responsibilities	Course on Computational Thinking and Programming at the Second-Cycle degree on Digital Humanities and Digital Knowledge
Name and type of organisation	Department of Classic Philology and Italian Studies University of Bologna Bologna (BO) Italy
Academic year(s)	2018-2019, 2019-2020
Main activities and responsibilities	Course on Basic Informatics at the Bachelor's degree in Humanities
Name and type of organisation	Department of Classic Philology and Italian Studies University of Bologna Bologna (BO) Italy
Academic year(s)	2019-2020
Main activities and responsibilities	Course on Semantic Web at the Bachelor's degree in Digital Communication Design
Name and type of organisation	IAAD – Istituto d'Arte Applicata e Design Bologna (BO) Italy

### Lectures and seminars

Academic year(s)	2017-2018, 2019-2020
Main activities and responsibilities	Lectures on Digital Publishing Technologies at the Master on Traditional and Digital Publishing
Name and type of organisation	University of Bologna Bologna (BO) Italy
Dates	5 March 2020 – 12 March 2020

Main activities and responsibilities	Ph.D. Lectures on the Semantic Web and Ontology Engineering for the LAST-JD Ph.D. Program ( <a href="http://www.last-jd.eu/">http://www.last-jd.eu/</a> ).
Name and type of organisation	CIRSFID University of Bologna Bologna (BO) Italy
Dates	20 June 2019
Main activities and responsibilities	Seminar entitled "Open Science and Open Access nelle Scienze (Umane e non solo)" held for the Ph.D. Programme in Literary and Philological Cultures
Name and type of organisation	Department of Classical Philology and Italian Studies University of Bologna Bologna (BO) Italy
Academic year(s)	2017-2018, 2018-2019
Main activities and responsibilities	Lectures on Semantic Web and Knowledge Management at the Master on Design and Technology for Fashion Communication
Name and type of organisation	University of Bologna Bologna (BO) Italy
Dates	14 September 2017
Main activities and responsibilities	Ph.D. Lecture on Querying the Semantic Web and the United Nations System Document Ontology during the 2017 Summer School on LEX
Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	13 June 2017
Main activities and responsibilities	Ph.D. Lecture on Linked Data and SPARQL during the 2 <sup>nd</sup> Italian Summer School on Open Data for the Territory: Culture, Tourism, Environment (CULTA 2017)
Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	8 September 2016
Main activities and responsibilities	Ph.D. Lecture on Semantic Web and Ontology Design Patterns for the Law during the 2016 Summer School on LEX
Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	7 March 2016 – 10 March 2016
Main activities and responsibilities	Ph.D. Lectures on the Semantic Web and Ontology Engineering for the LAST-JD Ph.D. Program ( <a href="http://www.last-jd.eu/">http://www.last-jd.eu/</a> ).
Name and type of organisation	CIRSFID University of Bologna Bologna (BO) Italy
Dates	20 October 2015
Main activities and responsibilities	Ph.D. Lecture on Linked Data and SPARQL during the 1 <sup>st</sup> Italian Summer School on Open Data for the Territory: Culture, Tourism, Environment (CULTA 2015)

Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	9 September 2015
Main activities and responsibilities	Ph.D. Lecture on Semantic Web and Ontology Design Patterns for the Law during the 2015 Summer School on LEX
Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	22-23 April 2015, 26 May 2015
Main activities and responsibilities	Ph.D. Lectures on Web scraping with Python
Name and type of organisation	European University Institute San Domenico di Fiesole (FI) Italy
Dates	13 February 2015, 24 April 2015
Main activities and responsibilities	Ph.D. Lectures on PDF and Web scraping with Python
Name and type of organisation	Department of Economic Sciences University of Bologna Bologna (BO) Italy
Dates	3 September 2014
Main activities and responsibilities	Ph.D. Lecture on Semantic Web for the Law during the 2014 Summer School on LEX
Name and type of organisation	Ravenna Campus University of Bologna Ravenna (RA) Italy
Dates	25-27 February, 4-6 March 2014
Main activities and responsibilities	Ph.D. Lectures on the Semantic Web and Ontology Engineering for the LAST-JD Ph.D. Program ( <a href="http://www.last-jd.eu/">http://www.last-jd.eu/</a> ).
Name and type of organisation	CIRSFID University of Bologna Bologna (BO) Italy
<b>Tutoring</b>	
Dates	1 October 2008 - 30 September 2015
Main activities and responsibilities	Teaching lessons and being present at exams for the Faculties that use the Moodle platform for teaching Informatics.
Name and type of organisation	University of Bologna Bologna (BO) Italy
<b>Student mentoring and supervision</b>	
Dates	29 August 2020 - current
Person supervised	Francesca Mangialardo
Person's role	Master Student [Digital Humanities and Digital Knowledge, FICLIT, University of Bologna]
Thesis topics	Science of Science

Dates	1 August 2020 - current
Person supervised	Simone Persiani
Person's role	Short-term Research Fellow [Borsista di ricerca]
Project title	Enhancing the workflow for modifying and enriching the Open Biomedical Citations in Context Corpus
Dates	1 August 2020 - current
Person supervised	Gabriele Pisciotta
Person's role	Short-term Research Fellow [Borsista di ricerca]
Project title	Enhancing the workflow for modifying and enriching the Open Biomedical Citations in Context Corpus
Dates	1 July 2020 - current
Person supervised	Marilena Daquino
Person's role	Short-term Research Fellow [Borsista di ricerca]
Project title	Visualization and analysis of global and in-text citation data in the Open Biomedical Citations in Context Corpus
Dates	1 July 2020 - current
Person supervised	Federica Bologna
Person's role	Short-term Research Fellow [Borsista di ricerca]
Project title	National Scientific Habilitation and non-bibliometric disciplines: a quantitative analysis
Dates	20 October 2019 – 20 March 2020
Person supervised	Sebastian Barzagli [Digital Humanities and Digital Knowledge, FICLIT, University of Bologna]
Person's role	Master Student
Thesis title	Development of an ontology for modelling medieval manuscripts: the case of Progetto IRNERIO
Thesis topics	Ontology Engineering
Dates	7 July 2019 - current
Person supervised	Gianmarco Spinaci [Digital Humanities and Digital Knowledge, FICLIT, University of Bologna]
Person's role	Master Student
Thesis topics	Science of Science
Dates	1 July 2019 – 20 March 2020
Person supervised	Fabio Mariani [Digital Humanities and Digital Knowledge, FICLIT, University of Bologna]
Person's role	Master Student
Thesis title	Development of OpenCitations Meta: methodology and implementation
Thesis topics	Knowledge Management
Dates	1 July 2019 - 30 June 2020
Person supervised	Marilena Daquino
Person's role	Research Fellow [Assegnista di ricerca]
Project title	Extending the OpenCitations Corpus with Individual In-text References
Dates	1 November 2018 - current
Person supervised	Ivan Heibi [FICLIT, University of Bologna]
Person's role	Ph. D. Student
Thesis title	Science of retracted science: a citation analysis of the Arts and Humanities domain
Thesis topics	Science of Science

Dates	1 November 2017 - 31 October 2018
Person supervised	Ivan Heibi
Person's role	Research Fellow [Assegnista di ricerca]
Project title	Extending and Visualising the OpenCitations Corpus

## Education and training

Dates	January 2009 – May 2012
Title of qualification awarded	Ph.D.
Principal subjects / occupational skills covered	Theories, formalisms and applications for opening up Semantic Publishing to an effective interaction between scholarly documents (e.g., journal articles) and their related semantic and formal descriptions. In fact, the main aim of my work is to increase the users' comprehension of documents and to allow document enrichment, discovery and linkage to document-related resources and contexts, such as other articles and raw scientific data.
Name and type of organisation providing education and training	Particular relevance is given to languages for handling overlapping markup and formal markup semantics, ontologies for Semantic Publishing, and interfaces for improving the interaction with ontologies (especially for the following topics: ontology understanding, ontology sense-making, ontology documentation and ontology authoring tools). Department of Computer Science University of Bologna Mura Anteo Zamboni 7 40126 Bologna (BO) Italy
Dates	15 June 2010 – 15 December 2010
Principal subjects / occupational skills covered	Developer of the Semantic Publishing and Referencing (SPAR) ontologies ( <a href="http://purl.org/spar">http://purl.org/spar</a> ) for semantically describing publishing entities and their related contexts.
Name and type of organisation providing education and training	Image Bioinformatics Research Group (IBRG) Department of Zoology University of Oxford The Tinbergen Building South Parks Road Oxford OX1 3PS United Kingdom
Dates	07 September 2009 – 11 September 2009
Principal subjects / occupational skills covered	Managing Legal Resources in the Semantic Web
Name and type of organisation providing education and training	The Third Summer School on Legislative XML (LeX'09) Ph.D. Summer School European University Institute of Florence Florence Italy
Dates	05 July 2009 – 11 July 2009
Principal subjects / occupational skills covered	Ontological Engineering and the Semantic Web
Name and type of organisation providing education and training	The Seventh Summer School on Ontological Engineering and the Semantic Web (SSSW'09) Ph.D. Summer School Residencia Lucas Olazábal Cercedilla Spain
Dates	02 March 2009 – 13 March 2009
Principal subjects / occupational skills covered	Distributed Algorithms, Data Mining, Modern Cryptography, Structural Methods in Database Theory



covered	
Name and type of organisation providing education and training	The Bertinoro International Spring School 2009 Ph.D. Spring School University Residential Center Bertinoro (FC) Italy
Dates	October 2005 – March 2008
Title of qualification awarded	Master's Degree 110/110 cum laude
Principal subjects / occupational skills covered	Dissertation title: "Automatic conversion of documents: a model and an implementation" Advisor: Professor Fabio Vitali
Name and type of organisation providing education and training	Department of Computer Science University of Bologna Bologna (BO) Italy
Dates	18 September 2007 – 21 September 2007
Title of qualification awarded	Summer Course on Computational Ontologies
Principal subjects / occupational skills covered	Computational ontologies: what they are and how to use them. Languages for ontologies: First Order Logic, Description Logics, and differences with software engineering-oriented languages (e.g.: UML, E/R). The Semantic Web language stack: RDF and OWL. Existing tools which support OWL-RDF: exercises. Components of ontology design: CODO, ODM. Ontology design patterns and modular design of ontologies. Brief introduction on linguistic frames. Limits of existing tools in terms of support for modular design of ontologies. Research issues and challenges.
Name and type of organisation providing education and training	Department of Computer Science University of Bologna Bologna (BO) Italy
Dates	October 2002 – July 2005
Title of qualification awarded	Bachelor's Degree 110/110 cum laude
Principal subjects / occupational skills covered	Dissertation title: "A secure session layer: architecture" Advisor: Professor Vittorio Ghini
Name and type of organisation providing education and training	Department of Computer Science University of Bologna Bologna (BO) Italy
Dates	September 1997 – July 2002
Title of qualification awarded	Diploma 100/100
Name and type of organisation providing education and training	Liceo Scientifico "Tommaso Parentucelli" Sarzana (SP) Italy

**Personal skills and competences**

Mother tongue(s) **Italian**

Other language(s)

Self-assessment  
*European level (\*)*

**English**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(\*) [Common European Framework of Reference \(CEF\) level](#)

## Technical skills and competences

Web and Semantic Web technologies: (X)HTML, CSS, XSLT 2.0, XPath 2.0, RDF, SPARQL 1.1, RDFa, OWL 2, SWRL, Microformats, Linked Data, Java Servlet, AJAX

XML validation languages: Document Type Definition, Relax NG, Schematron

Programming languages: Java, Python, R, Javascript, PHP

Frameworks: JQuery, Bootstrap, AngularJS, Scrapy

IDE: Eclipse, PyCharm, Netbeans, Oxygen

Software suites: OpenOffice, Microsoft Office

Others: Semantic Publishing, Semantic Publishing, interfaces for semantic data, ontology and data engineering, design patterns for digital documents and ontology modelling, markup languages for complex documents, automatic processes of analysis and segmentation of documents, user testing and usability assessment, open access citation data, science of science, bibliometrics, scientometrics  
Operating System: Mac OS X, Linux, Windows 10

## Awards and grants

### Awards

Awardee as Director of OpenCitations of the Global Sustainability Coalition for Open Science Services (SCOSS) second funding cycle – requested amount for 3 years: 1,530,198 EUR.

<https://scoss.org/how-it-works/current-funding-calls/>

Best Paper Award at the 2015 ACM symposium on Document Engineering (DocEng 2015)  
Exploring scholarly papers through citations

Best Paper Award at the 3rd Asian Semantic Web Conference (ASWC 2008)  
Identifying key concepts in an ontology, through the integration of cognitive principles with statistical and topological measures

### Grants

H2020 SPICE – Social cohesion, Participation, and Inclusion through Cultural Engagement [3,124,131 EUR, Project Coordinator], European Union, EU H2020-SC6-TRANSFORMATIONS-2019, Grant n. 870811, <https://cordis.europa.eu/project/id/870811>, 2020-2023

Open Biomedical Citations in Context Corpus [49,290 GBP + additional 29,845 GBP due to COVID-19 pandemic, Principal Investigator], Wellcome Trust, Grant n. 214471/Z/18/Z, <https://wellcome.ac.uk/grant-funding/people-and-projects/grants-awarded/open-biomedical-citations-context-corpus>, 2019-2020

Almaldea Junior CATARSI – Comprensione Automatica di Testi e Articoli nelle scienze Sociali e Informatiche [20,000 EUR, co-Investigator], University of Bologna, Programme, 2018-2020

The OpenCitations Enhancement Project [124,993 USD, Principal Investigator], Alfred P. Sloan Foundation, Grant n. 8017, <https://sloan.org/grant-detail/8017>, 2017-2018

Fondo per il finanziamento delle attività base di ricerca (FFARB) [€ 3,000], scientific production score: 36, Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (ANVUR), 2017

Semantic Self- And Cross-Citations (SemSACC) [€ 15,000, Principal Investigator], Concorso pubblico di Idee di Ricerca, Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca (ANVUR) 2015-2017

## Scientific qualifications

National scientific qualification (in Italian “Abilitazione Scientifica Nazionale”) as Associate Professor in Computer Science and Engineering, Italian “settore consorsuale” 01/B1 INFORMATICA, obtained in April 2017

National scientific qualification (in Italian “Abilitazione Scientifica Nazionale”) as Associate Professor in Computer Science and Engineering, Italian “settore consorsuale” 09/H1 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI, obtained in April 2017

## Directing, founding and advising

Director of OpenCitations, <http://opencitations.net>, 2015–current

Director of the Research Centre for Open Scholarly Metadata, Department of Classical Philology and Italian Studies, University of Bologna, Bologna, Italy, <https://openscholarlymetadata.org>, 2019–current

Member of “Giunta” at Department of Classical Philology and Italian Studies, University of Bologna, Bologna, Italy, 2019–current

Member of the Advisory Board of DBLP, <https://dblp.uni-trier.de>, 2019–current

Member of the Advisory Board of Qeios, <https://www.qeios.com>, 2019–current

Founding member of the Initiative for Open Citations (I4OC), <https://i4oc.org>

## Participation in journal, conference committees, and other academic events

### Journals

Editorial Board member, PeerJ Computer Science, ISSN: 2376-5992

Editorial Board member, Data Science, ISSN: 2451-8484

Subject Editor, Research Ideas and Outcomes, ISSN: 2367-7163

Guest Editor, “Semantic Web for the Legal Domain” Special Issue, of Semantic Web, ISSN: 1570-0844

### Conferences

Open conference data Chair, 15th Extended Semantic Web Conference (ESWC 2018)

Metadata Chair, 15th International Semantic Web Conference (ISWC 2016)

Local Chair and Sponsorship Chair, 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2016)

Chair of the “Vocabularies, Schemas, Ontologies” Research Track, 12th Extended Semantic Web Conference (ESWC 2015)

Publicity Chair, 11th Extended Semantic Web Conference (ESWC 2014)

Programme Committee member:

- International Semantic Web Conference (ISWC), edition(s): 2014, 2015, 2016, 2017, 2018, 2019, 2020
- Extended Semantic Web Conference (ESWC), edition(s): 2013, 2014, 2016, 2018, 2019
- The Web Conference (former WWW), edition(s): 2018, 2019
- Italian Research Conference on Digital Libraries (IRCDL), edition(s): 2019
- International Conference on Semantic Systems (Semantics, former iSemantics), edition(s): 2012, 2013, 2015, 2016, 2017
- International Conference on Knowledge Engineering and Knowledge Management (EKAW), edition(s): 2016

- Annual ACM Symposium on Applied Computing (SAC), edition(s): 2011, 2012, 2013, 2014, 2015, 2016
- International Conference on Legal Knowledge and Information Systems (JURIX), edition(s): 2014, 2015
- International Akoma Ntoso Conference (IANC), edition(s): 2015
- Conference of the Association for Digital Humanities and Digital Culture (AIUCD), edition(s): 2014
- International Conference on Building and Exploring Web Based Environments (WEB), edition(s): 2013, 2014

## Workshops

Organiser of the Workshop on Open Citations (WOOC), edition(s): 2018, 2020

Chair of the International Workshop on Semantics, Analytics, Visualisation: Enhancing Scholarly Dissemination (SAVE-SD), edition(s): 2015, 2016, 2017, 2018

Chair of the International Workshop on Legal Domain And Semantic Web Applications (LeDA-SWAn), edition(s): 2015

Chair of the International Workshop on Semantic Web for the Law (SW4Law), edition(s): 2014

Programme Committee member:

- Joint Workshop on Bibliometric-enhanced Information Retrieval and Natural Language Processing for Digital Libraries (BIRNDL), edition(s): 2019
- International Workshop on Open data and Ontologies for Cultural Heritage (ODOCH), edition(s): 2019
- International Workshop on Enabling Open Semantic Science (SemSci) edition(s): 2018
- International Workshop on Visualizations and User Interfaces for Ontologies and Linked Data (VOILA), edition(s): 2015, 2016, 2017, 2018
- International Workshop on Capturing Scientific Knowledge (SciKnow), edition(s): 2017
- Workshop on Humanities in the Semantic Web (WhiSe), edition(s): 2016, 2017
- Workshop on Artificial Intelligence and the Complexity Legal Systems (AICOL), edition(s): 2015
- OWL: Experiences and Directions Workshop (OWLED), edition(s): 2015
- International Workshop on LINKed Education (LINKED) edition(s): 2015
- International Workshop on Visualizations and User Interfaces for Knowledge Engineering and Linked Data Analytics (VISUAL) edition(s): 2014
- Workshop on Collaborative Annotations in Shared Environments: metadata, vocabularies and techniques in the Digital Humanities (DH-CASE) edition(s): 2013, 2014

## Talks

Invited talks and keynotes:

- Peroni, S. (2020, September 11). History of open citations: What they are and why they are crucial for metrics-based research assessment [Invited talk]. Basel Sustainable Publishing Forum Webinar 2 - New Approaches to Evaluate Researchers' Impact, Virtual. <https://doi.org/10.5281/zenodo.4024426>
- Peroni, S. (2020, September 9). There and back again: Past, present, and future of OpenCitations [Invited talk]. Workshop on Open Citations and Open Scholarly Metadata 2020, Virtual. <https://doi.org/10.5281/zenodo.4022903>
- Peroni, S. (2020, May 18). Aiutare a tracciare l'evoluzione della scienza ai tempi dei coronavirus [Invited talk]. Digital WHoManities, Virtual. <https://doi.org/10.5281/zenodo.4039439>
- Peroni, S. (2019, July 9). OpenCitations—Opening citation data to the public domain [Invited talk]. Meeting of the Informatics National Associations - On Research Evaluation, Informatics Europe, Zürich, Switzerland. <https://doi.org/10.5281/zenodo.3277277>
- Peroni, S. (2019, May 24). Alternative metrics—Is Journal Impact Factor considered harmful? [Invited talk]. The Future of Conducting and Publishing Research in Entrepreneurship, Innovation Management and Strategy, Bologna Business School, Bologna, Italy. <https://doi.org/10.5281/zenodo.4039464>

- Peroni, S. (2019, May 23). OpenCitations—Citations are just facts, why are not they open? [Invited talk]. /DH.arc centre presentation, University of Bologna, Bologna, Italy. <https://doi.org/10.5281/zenodo.4039437>
- Peroni, S. (2019, May 20). Open Citations 101—Historical Background and Current Developments [Invited talk]. Current Developments of Open Citations and Institutional Repository, Kyoto University Library, Kyoto, Japan. <https://doi.org/10.5281/zenodo.3058122>
- Peroni, S. (2019, March 19). OpenCitations—Current Developments [Invited talk]. Europe PMC Annual General Meeting, Wellcome Trust, London, United Kingdom. <https://doi.org/10.5281/zenodo.2598780>
- Peroni, S. (2019, February 28). Open Biomedical Citations in Context Corpus—Wellcome Trust funded project [Invited talk]. Workshop on Open Scientometric Data Infrastructures, Centre for Science and Technology Studies, Leiden, The Netherlands. <https://doi.org/10.5281/zenodo.4039458>
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- Peroni, S. (2018, September 5). OpenCitations and its APIs—A few URLs and a quick explanation [Invited talk]. Workshop on Open Citations 2018, Bologna, Italy. <https://doi.org/10.5281/zenodo.4039474>
- Peroni, S. (2018, September 4). The OpenCitations Corpus, its data and its interfaces—Present status and future plans [Invited talk]. Workshop on Open Citations 2018, Bologna, Italy. <https://doi.org/10.5281/zenodo.4039482>
- Peroni, S. (2017, October 21). The open citations revolution [Keynote]. SemSci 2017: Enabling Open Semantic Science - 1st International Workshop, Vienna, Austria. <https://w3id.org/people/essepuntato/presentations/the-open-citations-revolution.html>

Conference presentations, workshop presentations and panels:

- Peroni, S. (2019, September 3). Crowdsourcing open citations with CROCI - An analysis of the current status of open citations, and a proposal [Conference presentation]. 17th International Conference on Scientometrics & Informetrics, Sapienza University, Rome, Italy. <https://doi.org/10.5281/zenodo.3384729>
- Peroni, S. (2019, July 10). The Open Citations Movement [Conference presentation]. Digital Humanities Conference 2019, Utrecht, The Netherlands. <https://doi.org/10.5281/zenodo.3295729>
- Peroni, S. (2018, October 12). The SPAR Ontologies [Conference presentation]. 17th International Semantic Web Conference, Monterey, California, United States. <https://doi.org/10.6084/m9.figshare.7151759>
- Peroni, S. (2017, October 27). OpenCitations—Structured open citation data as a part of the Commons [Conference presentation]. FORCE 2017, Berlin, Germany. <https://w3id.org/people/essepuntato/presentations/oc-force2017.html>
- Peroni, S. (2017, October 24). UNDO: the United Nations System Document Ontology [Conference presentation]. 16th International Semantic Web Conference, Vienna, Austria. <https://w3id.org/people/essepuntato/presentations/undo-iswc2017.html>
- Peroni, S. (2017, October 24). One year of the OpenCitations Corpus—Releasing RDF-based scholarly citation data into the Public Domain [Conference presentation]. 16th International Semantic Web Conference, Vienna, Austria. <https://w3id.org/people/essepuntato/presentations/oc-iswc2017.html>
- Shotton, D., & Peroni, S. (2017, May 23). OpenCitations [Conference presentation]. WikiCite 2017, Vienna, Austria. <https://www.slideshare.net/essepuntato/opencitations>
- Peroni, S. (2016, November 20). A Simplified Agile Methodology for Ontology Development [Workshop presentation]. 3th OWL: Experiences and Directions Workshop and 5th OWL Reasoner Evaluation Workshop, Bologna, Italy. <https://www.slideshare.net/essepuntato/a-simplified-agile-methodology-for-ontology-development>
- Peroni, S. (2016, November 20). A document-inspired way for tracking changes of RDF data —The case of the OpenCitations Corpus [Workshop presentation]. 1st Drift-a-LOD Workshop: Detection, Representation and Management of Concept Drift in Linked Open Data, Bologna, Italy. <https://www.slideshare.net/essepuntato/a-documentinspired-way-for-tracking-changes-of-rdf-data-the-case-of-the-opencitations-corpus>
- Peroni, S. (2016, October 20). FOOD: FOod in Open Data [Conference presentation]. 15th International Semantic Web Conference, Kobe, Japan.

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- Peroni, S. (2016, October 18). Freedom for bibliographic references: OpenCitations arise [Workshop presentation]. 4th International Workshop on Linked Data for Information Extraction, Kobe, Japan. <https://www.slideshare.net/essepuntato/freedom-for-bibliographic-references-opencitations-arise>
- Peroni, S. (2014, October 19). Semantic lenses to bring digital and semantic publishing together [Workshop presentation]. 4th Workshop on Linked Science — Making Sense Out of Data, Riva del Garda, Italy. <https://www.slideshare.net/essepuntato/semantic-lenseslic2014>
- Peroni, S. (2014, October 19). A pattern-based ontology for describing publishing workflows [Workshop presentation]. 5th Workshop on Ontology and Semantic Web Patterns, Riva del Garda, Italy. <https://www.slideshare.net/essepuntato/a-patternbased-ontology-for-describing-publishing-workflows>
- Peroni, S. (2014, September 10). Zeri e LOD: Extracting the Zeri photo archive to Linked Open Data: Formalizing the conceptual model [Conference presentation]. Digital Libraries 2014, London, United Kingdom. <https://www.slideshare.net/essepuntato/zeri-dl2014>
- Peroni, S. (2013, December 3). Characterising citations in scholarly articles: An experiment [Workshop presentation]. International Workshop on Artificial Intelligence and Cognition, Turin, Italy. <https://www.slideshare.net/essepuntato/cito-aic2013quickpresentation>
- Peroni, S., & Vitali, F. (2013, October 3). Bringing semantic publishing in TEI: ideas and pointers [Panel]. TEI Conference and Members Meeting 2013, Rome, Italy. <https://www.slideshare.net/essepuntato/bringing-semantic-publishing-into-tei-ideas-and-pointers>
- Peroni, S. (2013, September 10). Tracking Changes through EARMARK: a Theoretical Perspective and an Implementation [Workshop presentation]. 1st International Workshop on Document Changes: Modeling, Detection, Storage and Visualization, Florence, Italy. <https://www.slideshare.net/essepuntato/earmark-dchanges2013>
- Peroni, S. (2013, May 26). Towards the automatic identification of the nature of citations [Workshop presentation]. SePublica 2013, Montpellier, France. <https://www.slideshare.net/essepuntato/towards-the-automatic-identification-of-the-nature-of-citations>
- Peroni, S. (2012, October 10). The Live OWL Documentation Environment: A tool for the automatic generation of ontology documentation [Conference presentation]. 18th International Conference on Knowledge Engineering and Knowledge Management, Galway, Ireland. <https://www.slideshare.net/essepuntato/the-live-owl-documentation-environment-a-tool-for-the-automatic-generation-of-ontology-documentation>
- Peroni, S. (2012, September 6). Scholarly publishing and Linked Data: Describing roles, statuses, temporal and contextual extents [Conference presentation]. 8th International Conference on Semantic Systems, Graz, Austria. <https://www.slideshare.net/essepuntato/scholarly-publishing-and-linked-data-describing-roles-statuses-temporal-and-contextual-extents>
- Peroni, S. (2012, March 28). Embedding semantic annotations within texts: The FRETTE approach [Conference presentation]. 27th Annual ACM Symposium on Applied Computing, Riva del Garda, Italy. <https://www.slideshare.net/essepuntato/embedding-semantic-annotations-within-texts-the-fretta-approach>
- Peroni, S. (2011, September 8). Dealing with Markup Semantics [Conference presentation]. 7th International Conference on Semantic Systems, Graz, Austria. <https://www.slideshare.net/essepuntato/dealing-with-markup-semantics>
- Peroni, S. (2010, October 12). Handling Markup Overlaps Using OWL [Conference presentation]. 17th International Conference on Knowledge Engineering and Knowledge Management, Lisbon, Portugal. <https://www.slideshare.net/essepuntato/handling-5450482>

## Challenges

Program Committee member of the ESWC-16 Open Knowledge Extraction Challenge (OKE 2016)

## Summer schools

Support Team Member, Summer School on Ontology Engineering and the Semantic Web (SSSW), edition(s): 2015, 2016



**Research monographs**

1. Peroni, S. (2014). *Semantic Web Technologies and Legal Scholarly Publishing*. Volume 15 of the Law, Governance and Technology Series. Cham, Switzerland: Springer. ISBN: 978-3-319-04776-8, 978-3-319-04777-5. <https://doi.org/10.1007/978-3-319-04777-5>

**Journals**

1. Peroni, S., & Shotton, D. (2020). OpenCitations, an infrastructure organization for open scholarship. *Quantitative Science Studies*, 1(1), 428–444. [https://doi.org/10.1162/qss\\_a\\_00023](https://doi.org/10.1162/qss_a_00023)
2. Peroni, S., Ciancarini, P., Gangemi, A., Nuzzolese, A. G., Poggi, F., & Presutti, V. (2020). The practice of self-citations: A longitudinal study. *Scientometrics*, 123(1), 253–282. <https://doi.org/10.1007/s11192-020-03397-6>
3. Heibi, I., Peroni, S., & Shotton, D. (2019). Software review: COCI, the OpenCitations Index of Crossref open DOI-to-DOI citations. *Scientometrics*, 121(2), 1213–1228. <https://doi.org/10.1007/s11192-019-03217-6>
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5. Nuzzolese, A. G., Ciancarini, P., Gangemi, A., Peroni, S., Poggi, F., & Presutti, V. (2019). Do altmetrics work for assessing research quality? *Scientometrics*, 118(2), 539–562. <https://doi.org/10.1007/s11192-018-2988-z>
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8. Peroni, S. (2017). *Automating Semantic Publishing*. Data Science, 1 (1-2): 155-173. Amsterdam, The Netherlands: IOS Press. <https://doi.org/10.3233/DS-170012>
9. Peroni, S., Osborne, F., Di Iorio, A., Nuzzolese, A. G., Poggi, F., Vitali, F., Motta, E. (2017). Research Articles in Simplified HTML: a Web-first format for HTML-based scholarly articles. *PeerJ Computer Science*, 3: e132. San Diego, US: PeerJ. <https://doi.org/10.7717/peerj-cs.132>
10. Peroni, S., Vitali, F. (2017). Interfacing fast-fashion design industries with Semantic Web technologies: The case of Imperial Fashion. *Journal of Web Semantics* 44: 37-53. Amsterdam, The Netherlands: Elsevier. <https://doi.org/10.1016/j.websem.2017.06.001>
11. Daquino, M., Mambelli, F., Peroni, S., Tomasi, F., Vitali, F. (2017). Enhancing Semantic Expressivity in the Cultural Heritage Domain: Exposing the Zeri Photo Archive as Linked Open Data. *ACM Journal on Computing and Cultural Heritage*, 10 (4): 21:1-21:21. New York, US: ACM. <https://doi.org/10.1145/3051487>
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5. Peroni, S. (2019). The Open Citations Movement. DH 2019 Book of Abstracts. Digital Humanities Conference 2019, Amsterdam, The Netherlands. <https://dev.clariah.nl/files/dh2019/boa/1000.html>
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