

Francesco Poggi – Curriculum Vitae

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DBLP	https://dblp.uni-trier.de/pid/32/11498.html
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Affiliation

Institute of Cognitive Sciences and Technologies (ISTC)
National Research Council (CNR)

Research Interests

Software Engineering, Software and Repository Analysis, Adaptive Systems, Semantic Web Engineering, Knowledge Engineering, Document Engineering, Information Visualization, Cognitive and Human Computing, Science of Science.

Qualification

- Abilitazione Scientifica Nazionale, Settore Concorsuale 09/H1 - Sistemi di Elaborazione delle Informazioni, S.S.D. ING-INF/05, II fascia.
Dal 14/04/2021 al 14/04/2032 (art. 16, comma 1, Legge 240/10)
- Abilitazione Scientifica Nazionale, Settore Concorsuale 01/B1 - Informatica, S.S.D. INF/01, II fascia.
Dal 13/11/2025 al 13/11/2037 (art. 16, comma 1, Legge 240/10)

Education and Training

Jan 2012 - University of Bologna
May 2015 *PhD in Computer Science*

- *Thesis title:* Structural patterns for document engineering: from an empirical bottom-up analysis to an ontological theory
- *Main topics:* Document engineering, information visualization, web technologies and the Semantic Web
- *Supervisors:* Prof. Paolo Ciancarini, Prof. Fabio Vitali
- *International Courses:*
 - Algorithms for the Web and for Social Networks, Prof. Paolo Boldi
 - Software Verification and Interactive Theorem Proving, Prof. Andrea Asperti
 - Regularization Methods for High Dimensional Learning, Prof. Francesca Odone and Lorenzo Rosasco
 - Real Time Embedded Systems, Prof. Tullio Vardanega;
 - Human-Computer Interaction, Prof. Tiziana Catarci;
 - Social Semantic Web and its Applications, Dott. Maciej Dabrowski;
 - Multimedia Database, Prof. Ilaria Bartolini;

Feb 2014- Aug 2014	School of Interactive Computing, Georgia Tech - Georgia Institute of Technology, Atlanta, USA <i>Visiting student</i> I visited the Information Interfaces Lab directed by prof. John Stasko. During this period I studied new approaches for analyzing and visualizing big and heterogeneous data sources (in particular documental) using Visual Analytics and Information Visualization techniques.
8-14 Jul 2012	SSSW 2012 <i>The Summer School on Ontology Engineering and the Semantic Web</i> The main topics of the school are knowledge representation, ontology design, web of data, semantic web applications, HCI and ontology engineering, ontology matching and alignment, knowledge management, semantic search.
5-11 Sep 2011	International Summer School LEX'11 <i>Managing Legal Resources in the Semantic Web</i> The school aims at providing knowledge of the most significant ICT standards (i.e. XML standards, ontologies, natural language processing techniques, legal knowledge modelling and reasoning tools) emerging for legislation, judiciary, parliamentary and administrative documents.
2007- 2011	University of Bologna <i>Master Degree (cum laude) in Computer Science</i> • <i>Thesis title:</i> Resolution and linearization of overlap in markup languages • <i>Supervisor:</i> Prof. Fabio Vitali
2002- 2006	University of Bologna <i>Bachelor Degree in Computer Science</i> • <i>Supervisor:</i> Prof. Simone Martini
1997- 2002	Liceo Scientifico A. Tassoni, Modena <i>Diploma</i>

Work Experience

Jan 2022- today	Institute for Cognitive Science and Technology (ISTC), National Research Council (CNR), Rome, Italy <i>Researcher</i> I'm a researcher at the Italian National Research Council (CNR)
Oct 2019- Jan 2022	Department of Communication and Economics - University of Modena and Reggio Emilia <i>Assistant Professor (L. 240/10 type A) - Academic discipline: INF/01 Informatics</i> I was junior assistant professor at the University of Modena and Reggio Emilia.
Jan 2015- Sep 2019	Department of Computer Science and Engineering (DISI) - University of Bologna <i>Research fellow</i> I was a post-doc at the University of Bologna.

- 2011-2012** RE:Lab, Human-Computer Interaction Res. Group, University of Modena and Reggio Emilia
Scientific consultant
- I worked on the design and development of visual interfaces and software components for two European projects: OCOOMO (Open Collaboration for Policy Modelling – www.ocopomo.eu) and SaveMe (www.save-me.eu).
- 2006-2011** I've worked as a freelance with many organizations in the fields of the design and development of web applications.
- The main technologies used are: Java EE, XML, Web Server Apache, Tomcat, PHP, JavaScript, HTML.

Awards and grants

Awards:

- **Best Paper Award** at the 15th ACM symposium on Document Engineering (DocEng 2015)
Paper title: Exploring scholarly papers through citations
- **Best Paper Award** at the 2015 Workshop on Semantics, Analytics, Visualisation: Enhancing Scholarly Data (SAVE-SD) co-located with the 24th International World Wide Web Conference (WWW 2015)
Paper title: Exploring bibliographies for research-related tasks
- **Best Paper Award: Second Place** at the 25th International DMS Conference on Visualization and Visual Languages (DMSVIVA 2019)
Paper title: Exploiting Coordinated Views for Scholarly Reading and Analysis

Grants:

- "Fondo di Ateneo per la Ricerca (FAR) 2020 per il finanziamento di attrezzature" - University of Modena and Reggio Emilia. Implementation of a computing infrastructure for Big Data. *Project Leader* (06/2020).
- "PRIN GAUSS software engineering of adaptive and unplanned systems" (02/2018-10/2019 under prj. GAUSS, MIUR PRIN 2015).
- "Semantic technologies for enterprise architectures" (02/2017-02/2018 under prj. IDEAS, MIUR PRIN 2012).
- "Reflective enterprise software architectures" (01/2015-01/2017 under prj. IDEAS, MIUR PRIN 2012).

Experience in academic teaching

Teaching ownership:

- 2025-today** (2 ac. year) *Corso:* Introduction to Data Science and Computational Thinking
Institution: Master in Digital Innovation Policies and Governance, University of Bologna
Academic discipline: INF/01
Credits: 8
Academic level: graduate
- 2022-today** (5 ac. years) *Corso:* Programming Laboratory
Institution: Master in Digital Innovation Policies and Governance, University of Bologna
Academic discipline: INF/01
Credits: 4
Academic level: graduate

- 2020-2021** *Course:* Web Data Science
Institution: Department of Communication and Economics - University of Modena and Reggio Emilia
Academic discipline: ING-INF/05
Credits: 6
Academic level: graduate
- 2019-2022** *Course:* Informatica I (Information Science)
(3 ac. years) *Institution:* Department of Communication and Economics - University of Modena and Reggio Emilia
Academic discipline: INF/01
Credits: 6
Academic level: undergraduate
- 2019-2020** *Course:* Informatica di base (Basic Informatics)
Institution: Department of Classical Philology and Italian Studies - University of Bologna
Academic discipline: INF/01
Credits: 6
Academic level: undergraduate
- 2017-2019** *Course:* Matematica e informatica - Modulo 3 (Mathematics and Computer Science)
(2 ac. years) *Institution:* School of Pharmacy, Biotechnology and Sport Science, University of Bologna
Credits: 2
Academic level: undergraduate

Teaching assistant for the following courses:

- 2015-2018** *Course:* Software Engineering
Institution: Department of Computer Science and Engineering (DISI), University of Bologna
Instructor: Prof. Paolo Ciancarini
Academic level: undergraduate
- 2015-2019** *Course:* Basic Computer Science
Institution: School of Arts, Humanities and cultural Heritage, University of Bologna
Instructor: Prof. Aldo Gangemi, Damiana Luzzi and Matteo Pascoli
Academic level: undergraduate
- 2012-2014** *Course:* Web Technologies
Institution: Department of Computer Science and Engineering (DISI), University of Bologna
Instructor: Prof. Fabio Vitali
Academic level: undergraduate

Supervisor of undergraduate as well as master theses 2014 - present

Theses' topics are usually in the scope of: software engineering, knowledge engineering and information visualization. The following list shows some examples of theses that I supervised so far either as researcher, adjunct professor or research fellow. All theses have been developed and successfully defended at the University of Bologna or the University of Modena and Reggio Emilia. On average, I supervised three-four theses per year. Additionally, I coordinated students developing projects in the form of short stages (about three per year).

- Machine learning for gait analysis: detection of simulated anomalies in healthy subjects to support the clinical management of hemophilia (2025)
- Enhancing Retrieval-Augmented Generation with Entity Linking for Educational Platforms (2025)
- Combining Information Retrieval Techniques and Sunburst Visualization to Improve Document Search (2024)
- An analysis of the correlation between the venue of scientific conferences and their impact (2023)
- ExpertScout: an expert finding system for academics based on language models (2022)
- Design and development of a web application for the analysis of scientific papers (2021)
- Design and development of a REST API for the analysis of scientific papers (2021)

- Design and implementation of a process simulator based on BPMN and BPSIM (2018)
- An analysis on the use of docker environments in open source software projects (2018)
- A methodology for the analysis of software repositories (2017)
- Extraction and visualization of ontologies from SPARQL endpoints (2017)
- A web service for the semantic analysis of open data (2016)
- An adaptive software architecture for antifragile systems (2016)
- Docudipity: an extension of an environment for the exploration of the habits in scholarly article writing (2015)
- Non-profit organization and Linked Open Data: an experiment (2014)

Research Projects

Project Coordinator:

- *Project: scientific lead of the CNR-ISTC Unit and coordinator of Work Package 4* (Definizione, studio preliminare e progettazione ambienti di realtà aumentata) for the **PNC project** "Smart Management and Assistance System for Healthcare" (**SMASH**) - funded under Italian Piano Nazionale Complementare-PNC, see Avviso pubblico D.M. 31/12/2021, Decreto di concessione del Direttore generale per gli incentivi alle imprese 17 febbraio 2023.
Grant amount: 562.827 €
Project members: Università degli Studi di Messina, CNR-ICAR, Humanitas Istituto Clinico Catanese.
Topic: augmented reality, HCI, knowledge engineering, knowledge extraction
08/01/2024 - 07/01/2027
- *Project: head of the CNR-ISTC research unit and coordinator of Work Package 5* (Data Analysis and Outcomes) within the **PRIN 2022 project** "Tight control of treatment adherence and efficacy by telemedicine for an improved personalized Management of Patients with hemophilia" (**TEMPO**) - see Decreto Direttoriale n. 875 del 19-06-2023.
Grant amount: 47,902 €
Project members: Università degli Studi di Milano, Università degli Studi di Modena e Reggio Emilia.
Topic: big data analysis, data and visual analytics.
The project funded research fellowships and scholarships for a total duration of 12 months.
10/2023 – 04/2026
- *Project: head of the CNR-ISTC research unit and coordinator of Work Package 1* (Approcci semiautomatici e human-oriented per l'estrazione e la rappresentazione della conoscenza) within the Emilia Romagna **FESR project** "eXpert Knowledge formalization for a human-centered manufacturing" (**KnowledgeX**) - see Determinazione n. 16453 del 27 luglio 2023
Grant amount: 100,017 €
Project members: CONSORZIO MUSP, MISTER Smart Innovation s.c.r.l.
Topic: Knowledge Engineering, Knowledge Extraction, Knowledge Representation and Reasoning.
The project funded research fellowships and scholarships for a total duration of 24 months.
11/2023 – 12/2026
- *Project: coordinator of Work Package 9* (Ontologia dei servizi e dei contenuti Pedagogici) within the **PNC project** Learning for ALL (**L4ALL**), funded under Italian Piano Nazionale Complementare-PNC. The project aims to develop a SaaS software platform focused on students with sensory disabilities (visual and hearing impairments), designed to support comprehensive access and rich user interaction with heterogeneous learning environments and multimedia content available through the main channels, leveraging dedicated ontologies, semantic technologies, and Artificial Intelligence tools.
Topic: Knowledge Engineering - Natural Language Processing
The project funded research fellowships and scholarships for a total duration of 30 months.
1/3/2023 - 28/2/2026

- *Project:* **principal investigator** for the **MIUR-ANVUR project** "Uniform Representation of Curricular Attributes" (**URCA**) – see articolo 4 of the Concorso Pubblico di Idee di Ricerca (bando ANVUR, 12 February 2015).
Grant amount: 15,000 €
Project members: Prof. Paolo Ciancarini (University of Bologna), Prof. Aldo Gangemi (Université Paris13) and Valentina Presutti (National Research Council - CNR).
Topic: information extraction and visual analytics in the context of textual documents.
2015 – 2018
- *Project:* **principal investigator** for the Institute of Advanced Studies of the University of Bologna of the financed project "Beyond the fears & around the people".
Topic: visual analytics for the investigation of complex phenomena.
2017-2018
- *Project:* co-supervisor for the Department of Classical Philology and Italian Studies of the University of Bologna of the research project "Abilitazione Scientifica Nazionale e discipline non bibliometriche: un'analisi quantitativa". Other project members: Prof. Silvio Peroni (Department of Classical Philology and Italian Studies, University of Bologna) and Prof. Angelo Di Iorio (Department of Computer Science and Engineering, University of Bologna).
The project funded two research grants for a duration of 12 months.
Topic: analysis of non-bibliometric disciplines, Science of Science.
2020-2022
- *Project:* principal investigator for the University of Modena and Reggio Emilia of the funded project "Big Data Analysis" - see Prot. n. 87806, Decr. n. 308/2020, University of Modena and Reggio Emilia.
Topic: big data analytics.
2020-today

Project Researcher – International Projects:

- *Project:* MAREGRAPH (101100771) - "towards an interoperable MARinE knowledge GRAPH". Project co-funded by the European Commission under the DIGITAL EUROPE framework (DG CNECT), Call DIGITAL-2022-CLOUD-AI-02.
Topic: OPEN-AI – Public Sector Open Data for AI and Open Data Platform.
2023 - 2025
- *Project:* ECSEL project MANTIS (662189) - "Cyber Physical System based Proactive Collaborative Maintenance". Project co-funded by the European Commission under the H2020 Programme. Ref. Prof. Paolo Ciancarini.
Topic: software engineering – repository mining and analysis.
2015 – 2019
- *Project:* ARTEMIS project EMC2 (621429) – "Embedded Multi-Core systems for Mixed Criticality applications in dynamic and changeable real-time environments". Project co-funded by the European Commission under the H2020 Programme. Ref. Prof. Paolo Ciancarini.
Topic: software engineering - software metrics and analysis.
2014 – 2018
- *Project:* OCOPOMO project (248128) - "Open Collaboration for Policy Modelling". Project co-funded by the European Commission under the 7 th Framework Programme. Ref. Prof. Roberto Montanari.
Topic: visual analytics systems for the policy making domain.
2010 – 2012
- *Project:* SaveMe project (234027) - "System and actions for vehicles and transportation hubs to support disaster mitigation and evacuation". Project co-funded by the European Commission under the 7 th Framework Programme. Ref. Prof. Roberto Montanari.
Topic: smart cities and social innovation.
2009 – 2012

Project Researcher – National Projects:

- *Project:* Fostering Open Science in Social Science Research (FOSSR), NextGenerationEU.
Topic: Open Science, Science of Science.
2023 - 2025
- *Project:* Agile Methodology Implementation for a New Software Engineering Paradigm definition (AMIN-SEP), Piano Nazionale della Ricerca Militare (PNRM), Ministero della Difesa. Ref. Prof. Paolo Ciancarini.
Topic: Software Engineering - Agile Development.
2017 – 2020
- *Project:* La MOBILITÀ accademica in Italia: determinanti, rilevanza e impatto (MOBILITI), ALMA IDEA Grant Senior, Università di Bologna. Ref. Prof. Riccardo Fini.
Topic: Semantic Web technologies - machine learning techniques.
2018 – 2021
- *Project:* Governing Adaptive and Unplanned Systems of Systems (GAUSS), MIUR PRIN 2015. Ref. Dott. Davide Rossi.
Topic: Semantic Web technologies - software engineering – self-adaptive systems.
2017 – 2019
- *Project:* Integrated Design and Evolution of Adaptive Systems (IDEAS), MIUR PRIN 2012. Ref. Prof. Paolo Ciancarini.
Topic: software engineering – self-adaptive systems.
2015 – 2017

Professional and Scientific Roles

Editorial boards membership:

- Journal of Web Semantics. Electronic ISSN: 1873-7749, Print ISSN: 1570-8268. (Area Editor)
09/2023 - today
- Frontiers in Research Metrics and Analytics. Electronic ISSN: 2504-0537 (Review Editor)
06/2021 - today

Editorship:

- Editor of the volume "Entertainment Computing – ICEC 2023, 22nd IFIP TC 14 International Conference, ICEC 2023, Bologna, Italy, November 15–17, 2023, Proceedings", Lecture Notes in Computer Science, Springer. ISBN: 978-981-99-8247-9.
2023 - 2024
- Guest editor of the special issue "Distributed Complex Systems: Governance, Engineering, and Maintenance", Journal of Software: Evolution and Process, Volume 34, Issue 10, Wiley & Sons. ISSN:2047-7481, I.F. 1.178.
10/2020 - 10/2022
- Editor of the volume "Towards Integrated Web, Mobile, and IoT Technology - Selected and Revised Papers from the Web Technologies Track at SAC 2017 and SAC 2018, and the Software Development for Mobile Devices, Wearables, and the IoT Minitrack at HICSS 2018", Lecture Notes in Business Information Processing, Springer. ISBN: 978-303028429-9. DOI: 10.1007/978-3-030-28430-5
2018 - 2019
- Editor of the volume "Knowledge Engineering and Knowledge Management - 20th International Conference, EKAW 2016", Lecture Notes in Computer Science - Lecture Notes in Artificial Intelligence (LNAI, volume 10024), Springer. ISBN 978-3-319-49003-8. DOI 10.1007/978-3-319-49004-5.
11/2015 - 06/2017

- Editor of the volume "Knowledge Engineering and Knowledge Management - EKAW 2016 Satellite Events, EKM and Drift-an-LOD", Lecture Notes in Computer Science - Lecture Notes in Artificial Intelligence (LNAI, volume 10108), Springer. ISBN 978-3-319-58693-9. DOI 10.1007/978-3-319-58694-6. 11/2015 - 06/2017

Keynote Speaker - Invited Talks

- Invited Keynote Speech at the 5th International Workshop on IoT Interoperability and the Web of Things (IIWOT), co-located with the IEEE Consumer Communications Networking Conference (IEEE CCNC 2026).
January 9, 2026, Las Vegas, Nevada, USA.

Track chair:

- Web Technologies track at the 36th ACM Symposium on Applied Computing (SAC), 22-26 March 2021, Gwangju, Korea. Accepted on 23 June 2020.
- Web Technologies track at the 35th ACM Symposium on Applied Computing (SAC), 30 March-3 April 2020, Brno, Czech Republic. Accepted on 25 May 2019.
- Web Technologies track at the 34th ACM Symposium on Applied Computing (SAC), 8-12 April 2019, Limassol, Cyprus. Accepted on 10 May 2018.
- Web Technologies track at the 33rd ACM Symposium on Applied Computing (SAC), 9-13 April 2018, Pau, France. Accepted on 14 May 2017.

Workshop organizer:

- GAUSS 2020: 2nd International Workshop on Governing Adaptive and Unplanned Systems of Systems. Co-located with the 32nd International Symposium on Software Reliability Engineering (ISSRE 2021), 12-15 October 2021, Coimbra, Portugal.

Proceedings chair and member of the Organizing Committee:

- 22nd IFIP International Conference on Entertainment Computing (ICEC), 15-17 November 2023, Bologna, Italy.
- 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW), 19-23 November 2016, Bologna, Italy.

Program committee membership:

- 24th INTERNATIONAL SEMANTIC WEB CONFERENCE (ISWC), 2-6 November, 2025, Nara, Japan.
- 22nd IFIP International Conference on Entertainment Computing (ICEC), 15–17 November, 2023, Bologna, Italy.
- 23rd ACM Symposium on Document Engineering (DOCENG), 22-25 August, 2023, Limerick, Ireland.
- 22nd ACM Symposium on Document Engineering (DOCENG), 20-23 August, 2021, Virtual Event (Hosted from San Jose, CA, USA).
- 21st ACM Symposium on Document Engineering (DOCENG), 24-27 August, 2020, Virtual Event (Hosted from Limerick, Ireland).
- Workshop on Bibliographic Data Analysis and Processing (BiblioDAP 2021) at the ACM International Conference on Knowledge Discovery and Data Mining (KDD), 14-18 July 2021, Singapore.
- IEEE Consumer Communications & Networking Conference (CCNC) 2021, 9-12 January 2021, Las Vegas, NV, USA.
- 20th ACM Symposium on Document Engineering (DOCENG), 29 September-2 October, 2020, San Jose, CA, USA.
- 35th ACM/SIGAPP Symposium on Applied Computing (SAC) - Business Process Management & Enterprise Architecture (BPMEA) track, 30 March-3 April 2020, Brno, Czech Republic.

- 34th ACM/SIGAPP Symposium on Applied Computing (SAC) - Business Process Management & Enterprise Architecture (BPMEA) track, 8-12 April 2019, Limassol, Cyprus.
- 33rd ACM/SIGAPP Symposium on Applied Computing (SAC)- Business Process Management & Enterprise Architecture (BPMEA) track, 9-13 April 2018, Pau, France.
- 6th Software Engineering for Defense Application (SEDA) Conference, 7-8 June 2018, Roma, Italy.
- 32nd ACM/SIGAPP Symposium on Applied Computing (SAC), 4-6 April 2017, Marrakech, Morocco.
- International Workshop on High Performance Mission Critical System Development (HiPMiC 2017) at the International Conference on High Performance Computing & Simulation (HPCS 2017), 17–21 July 2017, Genoa, Italy.
- 8th International Workshop on Ontology and Semantic Web Patterns (WOP) at the International Semantic Web Conference (ISWC), 21-25 October 2017, Vienna, Austria.
- 3rd International Workshop “Semantics, Analytics, Visualisation: Enhancing Scholarly Data” (SAVE-SD) at the 26th International World Wide Web Conference (WWW), 3 April 2017, Perth, Australia.
- 7th International Workshop on Ontology and Semantic Web Patterns (WOP) at the International Semantic Web Conference (ISWC), 17-21 October 2016, Kobe, Japan.
- 12th International Conference SEMANTICS, 12-15 September 2016, Leipzig, Germany.
- 2nd International Workshop “Semantics, Analytics, Visualisation: Enhancing Scholarly Data” (SAVE-SD) at the 25th International World Wide Web Conference (WWW), 11 April 2016, Montreal, Canada.
- 31st ACM/SIGAPP Symposium on Applied Computing (SAC), 4-8 April 2016, Pisa, Italy.
- 1st International Workshop “Semantics, Analytics, Visualisation: Enhancing Scholarly Data” (SAVE-SD) at the 24th International World Wide Web Conference (WWW), 19 May 2015, Florence, Italy.
- 1st International Workshop “Collaborative Annotations in Shared Environments: metadata, vocabularies and techniques in the Digital Humanities” (DH-CASE) at the 2013 ACM Symposium on Document Engineering (DOCENG), 10 September 2013, Florence, Italy.

Journal reviewer

- Semantic Web journal (by IOS Press), 2018-today.
- Journal of Software: Evolution and Process (by Wiley), 2018-today.
- Electronics (by MDPI), 2023
- Multimedia Tools and Applications (by Springer), 2020.
- International Journal of Software Engineering and Knowledge Engineering (by World Scientific Publishing Co), 2020.

Languages

Italian: native language

English: proficient user (C1 – effective operational proficiency or advanced)

Portuguese: independent user (B1 - Threshold or intermediate)

Publications

Peer reviewed papers on international journals

- Zuppiroli, S., Longo, C. F., Lippolis, A. S., Paolillo, R., Giammei, L., Ceriani, M., Poggi, F., Zinilli, A., and Nuzzolese, A. G. (2026). The Belief-Desire-Intention ontology for modelling mental reality and agency. *Journal of Web Semantics*, page 100885. DOI: 10.1016/j.websem.2026.100885
- Granata, F., Poggi, F., and Mongiovì, M. (2026). Enhancing Retrieval-Augmented Generation with Entity Linking for Educational Platforms. *Big Data and Cognitive Computing*, 10(4). DOI: 10.3390/bdcc10040120
- Zinilli, A., Tuccari, G. G., Poggi, F., Nuzzolese, A. G., Mongiovì, M., Giammei, L., Paolillo, R., Longo, C. F., Ceriani, M., and Zuppiroli, S. (2025). Anatomy of climate change research in Italian doctoral dissertations using a machine learning approach. *Scientific Reports*, 15(1). DOI: 10.1038/s41598-025-17307-4
- Gualtierotti, R., Giachi, A., Suffritti, C., Bedogni, L., Franco, F., Poggi, F., Mascetti, S., Colussi, M., Ahmetovic, D., Begnozzi, V., Boccalandro, E. A., Solimeno, L. P., and Peyvandi, F. (2024). Optimizing long-term joint health in the treatment of hemophilia. *Expert Review of Hematology*, 17(10):713 – 721. DOI: 10.1080/17474086.2024.2396617
- Lucifora, C., Schembri, M., Poggi, F., Grasso, G. M., and Gangemi, A. (2023). Virtual reality supports perspective taking in cultural heritage interpretation. *Computers in Human Behavior*, 148. DOI: 10.1016/j.chb.2023.107911
- Bedogni, L., Cabri, G., Martoglia, R., and Poggi, F. (2023a). Does the venue of scientific conferences leverage their impact? A large scale study on Computer Science conferences. *Library Hi Tech*, 41(2):501–515. DOI: 10.1108/LHT-09-2021-0305
- Bologna, F., Di Iorio, A., Peroni, S., and Poggi, F. (2023). Do open citations give insights on the qualitative peer-review evaluation in research assessments? An analysis of the Italian National Scientific Qualification. *Scientometrics*, 128(1):19–53. DOI: 10.1007/s11192-022-04581-6
- Martini, M. C., Pelle, E., Poggi, F., and Sciandra, A. (2022). The role of citation networks to explain academic promotions: an empirical analysis of the Italian national scientific qualification. *Scientometrics*, 127(10):5633 – 5659. DOI: 10.1007/s11192-022-04485-5
- Bologna, F., Di Iorio, A., Peroni, S., and Poggi, F. (2022). Open bibliographic data and the Italian National Scientific Qualification: Measuring coverage of academic fields. *Quantitative Science Studies*, 3(3):512–528. DOI: 10.1162/qss_a_00203
- Furini, M., Gaggi, O., Mirri, S., Montangero, M., Pelle, E., Poggi, F., and Prandi, C. (2022). Digital twins and artificial intelligence as pillars of personalized learning models. *Communications of the ACM*, 65(4):98–104. DOI: 10.1145/3478281
- Peroni, S., Ciancarini, P., Gangemi, A., Nuzzolese, A. G., Poggi, F., and Presutti, V. (2020). The practice of self-citations: a longitudinal study. *Scientometrics*, 123(1):253 – 282. DOI: 10.1007/s11192-020-03397-6
- Giallonardo, E., Poggi, F., Rossi, D., and Zimeo, E. (2020b). Semantics-Driven Programming of Self-Adaptive Reactive Systems. *International Journal of Software Engineering and Knowledge Engineering*, 30(06):805–834. DOI: 10.1142/S0218194020400082
- Poggi, F., Ciancarini, P., Gangemi, A., Nuzzolese, A. G., Peroni, S., and Presutti, V. (2019b). Predicting the results of evaluation procedures of academics. *PeerJ Computer Science*. DOI: 10.7717/peerj-cs.199
- Nuzzolese, A. G., Ciancarini, P., Gangemi, A., Peroni, S., Poggi, F., and Presutti, V. (2019). Do altmetrics work for assessing research quality? *Scientometrics*, 118(2):539–562. DOI: 10.1007/s11192-018-2988-z
- Poggi, F., Rossi, D., and Ciancarini, P. (2019c). Integrating Semantic Run-Time Models for Adaptive Software Systems. *Journal of Web Engineering*, 18(1_3):1–42. DOI: 10.13052/jwe1540-9589.18131
- Peroni, S., Osborne, F., Di Iorio, A., Nuzzolese, A. G., Poggi, F., Vitali, F., and Motta, E. (2017). Research Articles in Simplified HTML: a Web-first format for HTML-based scholarly articles. *PeerJ Computer Science*, 3:e132. DOI: 10.7717/peerj-cs.132

- Di Iorio, A., Peroni, S., Poggi, F., and Vitali, F. (2014). Dealing with structural patterns of XML documents. *Journal of the Association for Information Science and Technology*, 65(9):1884–1900. DOI: 10.1002/asi.23088

Peer reviewed papers on international conferences and workshops

- Franco, F., Lamazzi, L., Poggi, F., and Bedogni, L. (2026b). Toward Efficient Health Data Access for Mobile Applications Leveraging Human Digital Twins. In *2026 IEEE 23rd Consumer Communications & Networking Conference (CCNC)*, pages 1–6. DOI: 10.1109/CCNC65079.2026.11366443
- Franco, F., Lamazzi, L., Poggi, F., and Bedogni, L. (2026a). Evaluating Bluetooth Low Energy Connection Reliability for Mobile Health Applications. In *2026 IEEE 23rd Consumer Communications & Networking Conference (CCNC)*, pages 1–6. DOI: 10.1109/CCNC65079.2026.11366362
- Longo, C., Paolillo, R., Mongiovì, M., Nuzzolese, A. G., Poggi, F., Ceriani, M. G., Zinilli, A., Tuccari, G., and Santoro, C. (2025). Bridging BDI Multi-Agent Systems and the Semantic Web Through the Triples-to-Beliefs-to-Triples Paradigm. In *Proceedings of the 21st International Conference on Web Information Systems and Technologies - WEBIST*, pages 327–334. INSTICC, SciTePress. DOI:10.5220/0013668800003985
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Modena, 2026-09-23

