

Francesco Poggi – Curriculum Vitae

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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 14/04/2030 (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
Visiting student
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
The Summer School on Ontology Engineering and the Semantic Web
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
Managing Legal Resources in the Semantic Web
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
Master Degree (cum laude) in Computer Science
- *Thesis title:* Resolution and linearization of overlap in markup languages
 - *Supervisor:* Prof. Fabio Vitali
- 2002-
2006** University of Bologna
Bachelor Degree in Computer Science
- *Supervisor:* Prof. Simone Martini
- 1997-
2002** Liceo Scientifico A. Tassoni, Modena
Diploma

Work Experience

- Jan 2022-
today** Institute for Cognitive Science and Technology (ISTC), National Research Council (CNR), Rome, Italy
Researcher
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
Assistant Professor (L. 240/10 type A) - Academic discipline: INF/01 Informatics
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
Research fellow
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: OCOPOMO (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:

- 2021-2022** *Course:* Informatica I (Information Science)
Institution: Department of Communication and Economics - University of Modena and Reggio Emilia
Academic discipline: INF/01
Credits: 6
Academic level: undergraduate
(Accepted in May 2021)
- 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

- 2020-2021** *Course:* Informatica I (Information Science)
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 I (Information Science)
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
- 2018-2019** *Course:* Matematica e informatica - Modulo 3 (Mathematics and Computer Science)
Institution: School of Pharmacy, Biotechnology and Sport Science, University of Bologna
Credits: 2
Academic level: undergraduate
- 2017-2018** *Course:* Matematica e informatica - Modulo 3 (Mathematics and Computer Science)
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 adjunct professor or research fellow of the University of Bologna. All theses have been developed and successfully defended at the University of Bologna. 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).

- Design and development of an environment for the analysis of scientific papers (2021)
- Design and implementation of a process simulator based on BPMN and BPSIM (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:* principal investigator for the MIUR-ANVUR of the funded research project "Uniform Representation of Curricular Attributes" – see articolo 4 of the Concorso Pubblico di Idee di Ricerca (bando ANVUR, 12 February 2015).
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-today
- *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:* 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:* 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 – present
- *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 – present
- *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

Editorship:

- Guest editor of the special issue "Distributed Complex Systems: Governance, Engineering, and Maintenance", Journal of Software: Evolution and Process, Wiley & Sons. ISSN:2047-7481, I.F. 1.178.
10/2020 - today
- 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

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:

- 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW), 19-23 November 2016, Bologna, Italy.

Program committee membership:

- 21th ACM Symposium on Document Engineering (DOCENG), 24-27 August, 2021, 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

- Journal of Software: Evolution and Process (by Wiley), 2018-today.
- Semantic Web journal (by IOS Press), 2018.
- Multimedia Tools and Applications (by Kluwer Academic Publishers), 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

- Furini, M., Gaggi, O., Mirri, S., Montangelo, 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):7
- Bedogni, L., Cabri, G., Martoglia, R., and Poggi, F. (2022). Does the venue of scientific conferences leverage their impact? A large scale study on Computer Science conferences. *Library Hi Tech*. DOI: 10.1108/LHT-09-2021-0305
- Peroni, S., Ciancarini, P., Gangemi, A., Nuzzolese, A. G., Poggi, F., and Presutti, V. (2020). The practice of self-citations: a longitudinal study. *Scientometrics*. 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

- Bedogni, L. and Poggi, F. (2022). A Web Of Things Context-Aware IoT System leveraging Q-learning. In *2022 IEEE 19th Annual Consumer Communications Networking Conference (CCNC)*, pages 405–410. DOI: 10.1109/CCNC49033.2022.9700519

- Giallonardo, E., Poggi, F., Rossi, D., and Zimeo, E. (2020a). Making Smart Buildings and Personal Systems Cooperate via Knowledge Base Overlays. In *6th EAI International Conference on Smart Objects and Technologies for Social Good (GoodTechs '20)*, September 14–16, 2020, Antwerp, Belgium, pages 1–6. ACM. DOI: 10.1145/3411170.3411261 (**speaker**)
- Ciancarini, P., Missiroli, M., Poggi, F., and Russo, D. (2020). An Open Source Environment for an Agile Development Model. In *Open Source Systems. OSS 2020. IFIP Advances in Information and Communication Technology*, pages 148–162. DOI: 10.1007/978-3-030-47240-5_15
- Giallonardo, E., Poggi, F., Rossi, D., and Zimeo, E. (2019c). Resilient Reactive Systems Based on Runtime Semantic Models. In *2019 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW)*, pages 177–184. DOI: 10.1109/ISSREW.2019.00069
- Giallonardo, E., Poggi, F., Rossi, D., and Zimeo, E. (2019a). An adaptive and resilient IoT framework: an application for augmented museum experiences. In *To appear in 5ht Italian Conference for SMart Cities and Communities (I-CiTies 2019)*
- Di Iorio, A., Peroni, S., and Poggi, F. (2019). Open data to evaluate academic researchers: An experiment with the Italian Scientific Habilitation. In *17th International Conference on Scientometrics and Informetrics, ISSI 2019 - Proceedings*, volume 2, pages 2133–2144. (**speaker**)
- Giallonardo, E., Poggi, F., Rossi, D., and Zimeo, E. (2019b). Context-aware Reactive Systems based on Runtime Semantic Models. In *Proceedings of the 31st International Conference on Software Engineering and Knowledge Engineering (SEKE 2019)*, pages 301–306. DOI: 10.18293/SEKE2019-169 (**speaker**)
- Poggi, F., Ciancarini, P., Di Iorio, A., Peroni, S., and Vitali, F. (2019a). Exploiting Coordinated Views for Scholarly Reading and Analysis. In *Proceedings of the 25th International DMS Conference on Visualization and Visual Languages (DMSVIVA 2019)*. DOI: 10.18293/DMSVIVA2019-021 **BEST PAPER AWARD: Second Place (speaker)**
- Rossi, D., Poggi, F., and Ciancarini, P. (2018). Dynamic high-level requirements in self-adaptive systems. In *Proceedings of the 33rd Annual ACM Symposium on Applied Computing*, pages 128–137. ACM. DOI: 10.1145/3167132.3167143 (**speaker**)
- Graziosi, A., Di Iorio, A., Poggi, F., Peroni, S., and Bonini, L. (2018). Customising LOD views: a declarative approach. In *Proceedings of the 33rd Annual ACM Symposium on Applied Computing*, pages 2185–2192. ACM. DOI: 10.1145/3167132.3167367 (**speaker**)
- Spinaci, G., Peroni, S., Di Iorio, A., Poggi, F., and Vitali, F. (2017). The rash javascript editor (RAJE): A wordprocessor for writing web-first scholarly articles. In *Proceedings of the 2017 ACM Symposium on Document Engineering*, pages 85–94. ACM. DOI: 10.1145/3103010.3103018
- Ciancarini, P., Poggi, F., Rossi, D., and Sillitti, A. (2017). Analyzing and predicting concurrency bugs in open source systems. In *Neural Networks (IJCNN), 2017 International Joint Conference on*, pages 721–728. IEEE. DOI: 10.1109/IJCNN.2017.7965923 (**speaker**)
- Di Iorio, A., Nuzzolese, A. G., Peroni, S., Poggi, F., Vitali, F., and Ciancarini, P. (2017). Analysing and discovering semantic relations in scholarly data. In *Digital Libraries and Archives - 13th Italian Research Conference on Digital Libraries (IRCDL17)*, CCIS, vol. 733, pages 3–19. Springer. DOI: 10.1007/978-3-319-68130-6_1 (**speaker**)
- Rossi, D., Poggi, F., and Ciancarini, P. (2017). Dynamic high-level in self-adaptive systems. In *2017 6th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO)*, pages 49–60. IEEE. DOI: 10.1109/ICRITO.2017.8342398
- Graziosi, A., Iorio, A. D., Poggi, F., and Peroni, S. (2017). Customised visualisations of linked open data. In *Proceedings of the Third International Workshop on Visualization and Interaction for Ontologies and Linked Data co-located with the 16th International Semantic Web Conference (ISWC 2017), Vienna, Austria, October 22, 2017.*, pages 20–33. <http://ceur-ws.org/Vol-1947/paper03.pdf>
- Ciancarini, P., Poggi, F., Rossi, D., and Sillitti, A. (2016b). An initial investigation of concurrency bugs in open source systems. In *Proceedings of the 5th International Conference in Software Engineering for Defence Applications*. Springer. DOI: 10.1007/978-3-319-70578-1_8

- Di Iorio, A., Gonzalez-Beltran, A., Osborne, F., Peroni, S., Poggi, F., and Vitali, F. (2016). It ROCS!: The rash online conversion service. In *Proceedings of the 25th International Conference on World Wide Web, WWW 2016, Montreal, Canada, April 11-15, 2016, Companion Volume*, pages 25–26. ACM. DOI: 10.1145/2872518.2889408
- Ciancarini, P., Poggi, F., and Russo, D. (2016c). Big data quality: a roadmap for open data. In *Big Data Computing Service and Applications (BigDataService), 2016 IEEE Second International Conference on*, pages 210–215. IEEE. DOI: 10.1109/BigDataService.2016.37 (**speaker**)
- Poggi, F., Rossi, D., Ciancarini, P., and Bompani, L. (2016b). An application of semantic technologies to self adaptations. In *Research and Technologies for Society and Industry Leveraging a better tomorrow (RTSI), 2016 IEEE 2nd International Forum on*, pages 1–6. IEEE. DOI: 10.1109/RTSI.2016.7740548 (**speaker**)
- Poggi, F., Rossi, D., Ciancarini, P., and Bompani, L. (2016c). Semantic run-time models for self-adaptive systems: A case study. In *Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE), 2016 IEEE 25th International Conference on*, pages 50–55. IEEE. DOI: 10.1109/WETICE.2016.20
- Ciancarini, P., Poggi, F., Rossi, D., and Sillitti, A. (2016a). Improving bug predictions in multicore cyber-physical systems. In *Proceedings of 4th International Conference in Software Engineering for Defence Applications (SEDA)*, pages 287–295. Springer. DOI: 10.1007/978-3-319-27896-4_24
- Poggi, F., Cigna, G., and Nuzzolese, A. G. (2016a). Enhancing open data to linked open data with odminer. In *Proceedings of the Fourth International Workshop on Linked Data for Information Extraction co-located with 15th International Semantic Web Conference (ISWC 2016), Kobe, Japan, October 18, 2016.*, pages 44–50. <http://ceur-ws.org/Vol-1699/paper-06.pdf>
- Di Iorio, A., Giannella, R., Poggi, F., Peroni, S., and Vitali, F. (2015b). Exploring scholarly papers through citations. In *Proceedings of the 2015 ACM Symposium on Document Engineering, DocEng 2015, Lausanne, Switzerland, September 8-11, 2015*, pages 107–116. ACM. DOI: 10.1145/2682571.2797065. **BEST PAPER AWARD.**
- Iorio, A. D., Nuzzolese, A. G., Osborne, F., Peroni, S., Poggi, F., Smith, M., Vitali, F., and Zhao, J. (2015). The RASH framework: Enabling HTML+RDF submissions in scholarly venues. In *Proceedings of the ISWC 2015 Posters & Demonstrations Track co-located with the 14th International Semantic Web Conference (ISWC-2015), Bethlehem, PA, USA, October 11, 2015.* http://ceur-ws.org/Vol-1486/paper_72.pdf
- Di Iorio, A., Giannella, R., Poggi, F., and Vitali, F. (2015c). Exploring bibliographies for research-related tasks. Workshop on Semantics, Analytics, Visualisation: Enhancing Scholarly Data (SAVE-SD). In *WWW '15 Companion - Proceedings of the 1st 24th International Conference on World Wide Web (WWW)*, pages 1001–1006. ACM. DOI: 10.1145/2740908.2742018. **BEST PAPER AWARD.**
- Di Iorio, A., Ciancarini, P., Nuzzolese, A. G., Bagnacani, A., Peroni, S., Poggi, F., and Vitali, F. (2015a). Knowledge management of scholarly products: Semantic lancet project. In *European Conference on Knowledge Management*, pages 241–248. Academic Conferences International Limited
- Choo, J., Han, Y., Hu, M., Kim, H., Nugent, J., Poggi, F., Park, H., and Stasko, J. T. (2014). Exploring anomalies in gastech: VAST 2014 mini challenge 1 and 2. In *2014 IEEE Conference on Visual Analytics Science and Technology, VAST 2014, Paris, France, October 25-31, 2014*, pages 347–348. IEEE. DOI: 10.1109/VAST.2014.7042559
- Peroni, S., Poggi, F., and Vitali, F. (2014). Overlap approaches in documents: a definitive classification (in OWL, 2!). In *Balisage: The Markup Conference*. DOI: 10.4242/BalisageVol13.Peroni01 (**speaker**)
- Di Iorio, A., Peroni, S., Poggi, F., Vitali, F., and Shotton, D. (2013). Recognising document components in xml-based academic articles. In *Proceedings of the 2013 ACM symposium on Document Engineering*, pages 181–184. ACM. DOI: 10.1145/2494266.2494319
- Barabucci, G., Di Iorio, A., Poggi, F., and Vitali, F. (2013b). Integration of legal datasets: from meta-model to implementation. In *Proceedings of International Conference on Information Integration and Web-based Applications & Services*, pages 585–594. ACM. DOI: 10.1145/2539150.2539180 (**speaker**)

- Peroni, S., Poggi, F., and Vitali, F. (2013). Tracking changes through earmark: a theoretical perspective and an implementation. In *Proceedings of the 1st International Workshop on Document Changes: modeling, detection, storage and visualization (DChanges 2013) co-located with 13th ACM Symposium on Document Engineering (DocEng)*. <http://ceur-ws.org/Vol-1008/paper6.pdf>
- Barabucci, G., Di Iorio, A., Peroni, S., Poggi, F., and Vitali, F. (2013a). Annotations with EARMARK in practice: a fairy tale. In *Proceedings of the 1st International Workshop on Collaborative Annotations in Shared Environment: metadata, vocabularies and techniques in the Digital Humanities - co-located with 13th ACM Symposium on Document Engineering (DocEng)*, pages 11–18. ACM. DOI: 10.1145/2517978.2517990 (**speaker**)
- Di Iorio, A., Peroni, S., Poggi, F., and Vitali, F. (2012). A first approach to the automatic recognition of structural patterns in XML documents. In *Proceedings of the 2012 ACM symposium on Document Engineering*, pages 85–94. ACM. DOI: 10.1145/2361354.2361374 (**speaker - nomination for the best paper award**)
- Barabucci, G., Peroni, S., Poggi, F., and Vitali, F. (2012). Embedding semantic annotations within texts: the FRETTE approach. In *Proceedings of the 27th Annual ACM Symposium on Applied Computing*, pages 658–663. ACM. DOI: 10.1145/2245276.2245403

Book Chapters

- Ciancarini, P., Messina, A., Poggi, F., and Russo, D. (2018). Agile knowledge engineering for mission critical software requirements. In *Synergies Between Knowledge Engineering and Software Engineering*, AISC, vol. 626, pages 151–171. Springer. DOI: 10.1007/978-3-319-64161-4_8
- Fini, R., Bartolini, M., Benigni, S., Ciancarini, P., Di Iorio, A., Johnson, A., Mariani, M. M., Peroni, S., Poggi, F., Rasmussen, E., Silvi, R., Sobrero, M., and Toschi, L. (2018). Collaborative practices and multidisciplinary research: the dialogue between entrepreneurship, management and data science. In *Rethinking entrepreneurship education: the role of collaborative practices and innovation*, ESID. Springer. DOI: 10.1007/978-3-319-90548-8_7

PhD Thesis:

- Poggi, F. (2015). Structural patterns for document engineering: from an empirical bottom-up analysis to an ontological theory. Ph. D. Thesis. Department of Computer Science and Engineering (DISI), University of Bologna, Italy. DOI:10.6092/unibo/amsdottorato/7123. <http://amsdottorato.unibo.it/7123/>