

**Dichiarazione sostitutiva di certificazione e di atto notorio in merito all'inesistenza di cause di incompatibilità e di astensione ai sensi dell'art. 93 del D.Lgs. 36/2023 e ss.mm.ii.**

Il sottoscritto **Paolo Ceravolo**, nato a Milano, il 13/10/1977,

ai fini dell'assunzione di incarico quale componente di Commissione giudicatrice nell'ambito della procedura aperta per l'affidamento della fornitura di un sistema informativo zonale per la gestione della cartella sociale informatizzata dell'ambito di Lodi e per la digitalizzazione dei servizi a supporto degli uffici comunali e delle forme associate, oltre al servizio di gestione e manutenzione del sistema stesso, svolta ai sensi di quanto previsto dal D.lgs. 36/2023 e ss.mm.ii e indetta da Azienda Speciale Consortile Servizi Intercomunali, quale ente capofila dell'Ambito di Lodi,

ai sensi dell'art. 47 del D.P.R. 445/2000 e consapevole delle sanzioni penali previste dall'art. 76 del detto D.P.R. in caso di dichiarazioni mendaci,

**DICHIARA**

Di non incorrere in alcuna delle cause di incompatibilità e di assunzione previste dall'art. 93 del D.Lgs. 36/2023 e ss.mm.ii. e in particolare:

- di non essere e di non essere stato componente di organi di indirizzo politico della stazione appaltante, nel biennio precedente all'indizione della procedura sopra indicata;
- di non aver subito condanna, anche con sentenza non passata in giudicato, per uno dei reati previsti dal Capo I Titolo II del secondo libro del Codice Penale ai sensi dall'art. 35bis del D.lgs.165/2001;
- di non aver concorso, in qualità di membro della Commissione giudicatrice, all'approvazione di atti dichiarati illegittimi, con dolo o colpa grave accertata in sede giurisdizionale con sentenza non sospesa;
- di impegnarsi, qualora al momento successivo all'assunzione dell'incarico, sopraggiunga una delle condizioni di incompatibilità di cui all'art. 16 del D.Lgs. 36/2023 e ss.mm.ii., dell'art. 51 del Codice di Procedura Civile, della Legge 190/2012 e del D.Lgs. 39/2013, ovvero una situazione (o la conoscenza della sussistenza di una situazione) di conflitto di interessi, anche potenziale, a darne notizia agli altri componenti della Commissione e all'Ente e ad astenersi dalla funzione.

Allega curriculum professionale e, per l'adempimento degli obblighi di trasparenza previsti dall'artt. 20 e 28 del D.lgs. 36/2023 e ss.mm.ii., autorizza la pubblicazione della presente dichiarazione e del curriculum medesimo nella sezione Amministrazione Trasparente del sito istituzionale dell'Azienda Speciale Consortile Servizi Intercomunali.

Lodi, 27 settembre 2023

Il dichiarante 



# Paolo Ceravolo

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**Gender:** Male

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## WORK EXPERIENCE

### Associate Professor

Department of Computer Science University of Milan [2020–now]

Member of the research group "SEcure Service-oriented Architectures Research" (SESAR - <http://sesar.di.unimi.it/>)

### Assistant Professor

Department of Computer Science University of Milan [2006–2019]

### Visiting Professor

Department of Information Systems, Production and Logistics Management University of Innsbruck [October-December 2013]

Ostbayerische Technische Hochschule Regensburg, Germany, course on "Process Mining" (48 hours) Bachelor Course on Computer Science and Mathematics [October 2021-February 2022]

## EDUCATION

National Scientific Habilitation - Abilitazione Scientifica Nazionale (ASN) Bando D.D. 1532/2016. Settore Concorsuale 01/B1 - Informatica - Fascia: II 09 May 2019.

Ph.D. in Computer Science from the Università degli Studi di Milano, with a thesis entitled Flexible techniques for ontology extraction and representation. Advisor: Prof. Ernesto Damiani. Defended on March the 6th 2006, Milan.

Master in Metodologie di base dell'informatica e della comunicazione per le scienze umanistiche (Master's degree in computer science basis methodologies for human science); 800 hours, Milan, 2002.

Graduated in Philosophy, Catholic University of Milan, 2001.

## RESEARCH PROFILE

Paolo Ceravolo's research activity concerns the representation and monitoring of business and collaboration processes, the representation and verification of data ingestion, integration and Big Data analytics workflows.

Recent attention has been focused on issues related to (i) process mining and conformance checking in business processes through the acquisition of continuous event streams; (ii) real-time evaluation of community identification metrics in dynamic social networks; (iii) conciliation of conflicting requirements in data acquisition and execution Big Data workflows.

More generally, the research activity focused on data representation according to a holistic and integrated approach. For example, portability, expressiveness and inferential power, knowledge evolution, technology acceptance, integration of heterogeneous sources, dynamic and procedural representation, conciliation of conflicting requirements, performance in data ingestion and processing.

### Scientific Production

Since 2003, Paolo Ceravolo has published 165 Scopus indexed documents which have received 1483 citations.

The bibliometric indices of his production are:

- h-index: Scopus 16 - Google Scholar 20
- i-10 index: Scopus 19 - Google Scholar 38
- documents: Scopus 165 - Google Scholar 255
- citations: Scopus 1483 - Google Scholar 2889

### Founded projects

- Participation in the H2020-SC1-FA-DTS-2018-2020 project entitled Smart Big Data Platform to Offer Evidence-based Personalized Support for Healthy and Independent Living at Home (SMART-BEAR), with the role of WP leader [01-09-2019 - 31-09-2024]
- Unit Leader at CINI of the SIND DEFENCE SOFT - FSE Puglia 2014-2020 (Codice Progetto: 52MZ7S4) - [01-03-2020 - 01-03-2024]
- Participation in MIND Food Hub <https://www.mindfoodshub.com/>
- Principal Investigator of the UNIMI unit in the project CRUI/CINI Ministero della Giustizia (Ministry of Justice - Italy) - accordo quadro del 27 gennaio 2016 - researcher in the action 3 "Sistemi informativi a supporto dell'indagine" (Information Systems for Enquiry Protocols) [01-09-2018 - 31-09-2022]

- Unit Leader of the POPULITE - POPUList Language in ITalian political Elites - project (Piano di Sostegno alla Ricerca (PSR) 2020 Seal of Excellence (SoE) SEED) - [01-03-2021 - 01-03-2022]
- Participation in the C3PLACES RIA H2020 project (grant agreement No 693443 - <https://c3places.eu/about>), with the role of WP leader [01-10-2018 - 01-10-2021]
- Principal Investigator: Sistemi Informativi Innovativi @ Giustizia [11-2020 - 11-2021]
- Principal Investigator: Strategic investment plan of the Università degli Studi di Milano (PSR). Project Title: Interactive Learning in Process Mining [11-2020 - 11-2021]
- Collaboration with the Cloud-enabled Business Process Management and e-Government as-a-service project (3093), coordinated by EBTIC Innovation Center Khalifa University, United Arab Emirates [15-03-2017 - 15-03-2020 ]
- Participation in the H2020-ICT-2015 project entitled Trustworthy model-aware Analytics Data platform (TOREADOR) - H2020-RIA-688797, with the role of WP leader [01-01-2016 - 31-12-2018]
- Collaboration with the Aperture project, coordinated by EBTIC Innovation Center Khalifa University, United Arab Emirates [01-01-2011 - 01-01-2013]
- Collaboration with the NSF project 5R25OD010487-04 entitled Translating translation and scientific questioning in the global k-12 community, coordinated by UNIVERSITY OF ARIZONA [07-01-2015 - 28-02-2015]
- Participation in the Industria 2015 project (Ministry of Economic Development) entitled Knowledge and business Intelligence Technologies in cross-enterprise environments for ITalian advanced mechanical industry (KITE.IT), with the role of WP leader [01-01-2011 - 31- 12-2014]
- Participation in the FP7-ICT-2009-5 project entitled Personalized Learning & Collaborative Working Environments Fostering Social Creativity and Innovations Inside the Organizations (ARISTOTELE) - FP7-257886, with the role of author of deliverable [01-07-2010 - 31 -12-2013]
- Research Fellowship at the Digital Ecosystems and Business Intelligence Institute, Curtin University of Technology, Perth, Western Australia [01-01-2009 - 01-03-2009]
- Participation in the FP7-ICT-2007-1 project entitled Secure Supply Chain Management (SecureSCM) - FP7-213531, with the role of author of deliverable [02-01-2008 - 31-01-2011]
- Participation in the FIRB project entitled Towards Evolving Knowledge-based interNetworked Enterprise (TEKNE), with the role of WP leader [01-02-2007 - 01-03-2010]

## Evaluation of scientific projects

- Irish Research Council, referee notification for application GOIPD/2021/934 [November 2020]
- Czech Republic's national annual R&D&I evaluation exercise, Resolution No. 107 of 8 February 7, 2017 [March 2020]
- Fondazione Cariplo, valutazione atenei Sardi con convenzione del 26 luglio 2018 [April 2019]
- Università degli Studi di Modena, valutatore dei progetti presentati nell'ambito del bando FAR 2018 [July 2018]

## Services for research and higher education

- Vice-Chair of the IFIP W.G. 2.6 on Databases [14-09-2020 - now]
- Chair of the IFIP W.G. 2.6 on Databases [14-09-2014 - 14-09-2020]
- APRE - W.G. CLUSTER CULTURE, CREATIVITY AND INCLUSIVE SOCIETY, towards the first Strategic Plan for Horizon Europe [June 2020]
- CINI - W.G. Smart Cities and Communities, Contributo al Piano Nazionale per la Ricerca [June 2020]

## Editorial activities

- Executive Editor of the International Journal of Knowledge and Learning, ISSN print 1741-1009, ISSN online 1741-1017 [01-01-2011 - now]
- Member of the Editorial Board of the Journal of Universal Computer Science, ISSN:0948-695XE-ISSN:0948-6968 [01-05-2017 - now]
- Guest Editor of the special issue titled "Web-Based Knowledge Representation and Management" del International Journal of Web Engineering and Technology 2009 Vol. 5 No. 1. ISSN print: 1476-1289, ISSN online: 1741-9212 [01-06-2007 - 01-05-2009]
- Guest Editor of the special issue titled "Querying the data web: novel techniques for querying structured data on the web" nel journal world wide web: Internet and web information system, Springer, ISSN 1386-145X [01-01-2009 - 01-10-2009]
- Editor of the Databases and Information Systems in the AI Era: Contributions from ADBIS, TPD and EDA 2020 Workshops and Doctoral Consortium. ADBIS/TPDL/EDA Workshops 2020: 3-20
- Editor of the volume titled Data-Driven Process Discovery and Analysis - 7th IFIP WG 2.6 International Symposium, SIMPDA 2017, Neuchatel, Switzerland, December 6-8, 2017, Revised Selected Papers, Revised Selected Papers. Lecture Notes in Business Information Processing 340, Springer 2019, ISBN 978-3-030-11637-8 [01-10-2017 - 27-11-2018]
- Editor of the volume titled Data-Driven Process Discovery and Analysis - 6th IFIP WG 2.6 International Symposium, SIMPDA 2016, Graz, Austria, December

15-16, 2016, Revised Selected Papers. Lecture Notes in Business Information Processing 307, Springer 2018, ISBN 978-3-319-74160-4 [01-01-2017 al 01-11-2017]

- Editor of the volume titled Data-Driven Process Discovery and Analysis - 5th IFIP WG 2.6 International Symposium, SIMPDA 2015, Vienna, Austria, December 9-11, 2015, Revised Selected Papers. Lecture Notes in Business Information Processing 244, Springer 2017, ISBN 978-3-319-53434-3 [01-01-2016 - 21-11-2016]
- Editor of the volume titled Data-Driven Process Discovery and Analysis - 4th International Symposium, SIMPDA 2014, Milan, Italy, November 19-21, 2014, Revised Selected Papers. Lecture Notes in Business Information Processing 237, Springer 2015, ISBN 978-3-319-27242-9 [01-01-2014 - 01-09-2015]
- Editor of the volume titled Data-Driven Process Discovery and Analysis - Third IFIP WG 2.6, 2.12 International Symposium, SIMPDA 2013, Riva del Garda, Italy, August 30, 2013, Revised Selected Papers. Lecture Notes in Business Information Processing 203, Springer 2015, ISBN 978-3-662-46435-9 [01-01-2013 - 01-03-2015]
- Guest editor of the Special Issue on Knowledge Acquisition Reuse and Evaluation. INTERNATIONAL JOURNAL OF KNOWLEDGE AND LEARNING, vol. 9, p. 1-177, Inderscience, ISSN: 1741-1009, 2014 - dal [09-09-2013 - 10-12-2014]
- Editor of the volume titled Data-Driven Process Discovery and Analysis - Second IFIP WG 2.6, 2.12 International Symposium, SIMPDA 2012, Campione d'Italia, Italy, June 18-20, 2012, Revised Selected Papers. Lecture Notes in Business Information Processing 162, Springer 2013, ISBN 978-3-642-40918-9 [01-06-2012 - 01-02-2013]
- Guest Editor of the Special issue on Querying the Data Web - Novel techniques for querying structured data on the web. World Wide Web 14(5-6): 461-463 (2011)

### Reviewer for journals

- Reviewer for many journals and magazines, among which: IEEE Transactions on Service Computing, IEEE Transactions on Fuzzy Systems, IEEE Access Journal, World Wide Web Journal, Information Systems.
- Reviewer of the topic "Hybrid Reasoning" nella Encyclopaedia of Database Systems - Print ISBN 978-0-387-35544-3 [April 2008]

### Organisation of scientific conferences

- Co-Program Chair of the International Conference on Cooperative Information Systems - CoopIS 2022, 4-7 October Bozen-Bolzano, Italy.

- General Co-Chair of Seventh IEEE International Conference on Social Networks Analysis, Management and Security (SNAMS-2022) Milan, Italy. November 29-30, 2022.
- Workshop Co-Chair of ML4PM 2022, The Third International Workshop on Leveraging Machine Learning in Process Mining at ICPM 2022.
- Member to the International Forum on Digital and Democracy 2022.
- Member of the jury of the Doctoral Consortium co-located with the International IEEE EDOC 2022.
- Member of the jury of the Doctoral Consortium co-located with the International Conference on Process Mining 2022.
- Member of the program committee of IEEE EDOC 2022.
- Member of the program committee of ICPM 2022.
- Member of the program committee of IEEE Big Data 2022.
- Member of the program committee of the International workshop on Algorithms & Theories for the Analysis of Event Data (ATAED '2022).
- Member of the program committee of the Workshop on Computational Intelligence for Process Mining (CI4PM), World Congress of Computational Intelligence (WCCI), Padova 2022.
- IEEE ICWS 2021 track chair of the Special Track on Software Service Engineering.
- Workshop Co-Chair of ML4PM 2021, The Second International Workshop on Leveraging Machine Learning in Process Mining at ICPM 2021.
- Workshop Chair SIMPDA 2021 at ADBIS 2021.
- Member of the program committee of the IEEE International Conference on Process Mining (ICPM), 2021.
- Chair of the IEEE INTERNATIONAL SYMPOSIUM ON ADVANCES IN SOFTWARE SERVICES ENGINEERING (ISASSE), SPECIAL TRACK ON "SOFTWARE SERVICE ENGINEERING", IEEE ICWS.
- General Co-Chair of Seventh IEEE International Conference on Social Networks Analysis, Management and Security (SNAMS-2019) Paris, France. December 14-16, 2020.
- Publicity chair of the IEEE World Congress on Services - IEEE SERVICES 2020
- Member of the program committee of the IEEE International Conference on Process Mining (ICPM), 2020.
- Member of the Program Committee of the 29th ACM Conference on Information and Knowledge Management (CIKM) 2020.

- Member of the Program Committee of the IEEE International Conference on Big Data 2020.
- Workshop Co-Chair of ML4PM 2020, The First International Workshop on Leveraging Machine Learning in Process Mining at ICPM 2020.
- Workshop Chair SIMPDA 2020, SemBDM 2020 at ADBIS 2020.
- General Co-Chair of Sixth IEEE International Conference on Social Networks Analysis, Management and Security (SNAMS-2019) Granada, Spain. October 22-25, 2019.
- Workshop organizer and chair SIMPDA 2019, SemBDM 2019 at ADBIS 2019.
- Speaker at the Doctoral School of the IEEE Conference on Business Informatics (CBI), 2019.
- Member of the program committee of the IEEE International Conference on Process Mining (ICPM), 2019.
- Member of the Program Committee of the IEEE International Conference on Big Data 2020.
- Member of the Program Committee of the 29th ACM Conference on Information and Knowledge Management (CIKM) (CIKM 2020).
- Member of the program committee of the International workshop on Algorithms & Theories for the Analysis of Event Data (ATAED '2019)
- Publicity chair of the IEEE World Congress on Services - IEEE SERVICES 2019
- Member of the program committee of the International Conference on Knowledge Management in Organizations (KMO) 2019
- Co-chair of the eighth International Symposium on Data-Driven Process Discovery and Analysis (SIMPDA) 2018
- Member of the program committee of the International workshop on Algorithms \ & Theories for the Analysis of Event Data (ATAED '2018)
- Member of the program committee of the International Conference on Knowledge Management in Organizations (KMO) 2018
- Member of the program committee of the 2018 IEEE International Conference on Big Data 2018
- Member of the program committee of the IEEE International Conference on Data Science and Advanced Analytics (DSAA) 2018
- Member of the program committee of the Sixth International Workshop on Declarative / Decision / Hybrid Mining and Modeling for Business Processes (DeHMiMoP 2018) 2018
- Member of the program committee of the On The Move Academy 2018
- Co-chair of the seventh International Symposium on Data-Driven Process Discovery and Analysis (SIMPDA)
- Member of the program committee of the International workshop on Algorithms \ & Theories for the Analysis of Event Data (ATAED '2017) 2017



- Member of the program committee of the International Conference on Knowledge Management in Organizations (KMO) 2017
- Member of the program committee of the On The Move Academy 2017
- Co-chair of the first workshop on computational modeling of complex energy- and environment-related systems (EU-GCC) in SITIS 2016
- Member of the EDUCON 2017 program committee
- Co-chair of the Sixth International Symposium on Data-Driven Process Discovery and Analysis (SIMPDA) 2016
- Member of the program committee of the RW-BPMS 2016 workshop within EDOC 2016
- Member of the EDUCON 2016 program committee
- Reviewer of the European Conference on Information Systems (ECIS), track - social media research and analytics
- Member of the program committee of Knowledge Management in Organizations (KMO) 2015
- Co-chair of the fifth International Symposium on Data-Driven Process Discovery and Analysis (SIMPDA) 2015
- Member of the program committee of the International workshop on Algorithms & Theories for the Analysis of Event Data (ATAED) 2015
- Member of the program committee of the workshop on Methods, Evaluation, Tools and Applications for the Creation and Consumption of Structured Data for the E-Society (Meta4eS 2013), as part of the OnTheMove Federated Conferences and Workshops 2013
- Member of the program committee of the "Security, privacy and open source track" at ICEBE 2013
- Member of the program committee of IEEE BigData Congress 2013
- Member of the program committee of OTM Academy [2012 - 2019]
- General Chair of the International Symposium on Data-Driven Process Discovery and Analysis (SIMPDA) 2012
- Member of the program committee of the 3rd Annual International Conference on Software Engineering and Applications (SEA) 2012
- Member of the program committee of the International Conference on Intelligent Semantic Web & Services and Application (ISWSA) 2010
- Chair of the fifth international workshop on Ontology Content (OnToContent), Part of the OnTheMove Conferences & Workshops (OTM) 2010
- Member of the program committee of On The Move Federated Conferences 2010
- Member of the program committee of the workshop on Ontology-supported Business Intelligence (OBI 2008) in the seventh International Semantic Web Conference (ISWC2008), Germany, 27 October 2008

- Chair of the international workshop Knowledge Acquisition, Reuse and Evaluation (KARE). In the Fourth International Conference on Signal Image Technology and Internet Based Systems (SITIS) 2009
- Member of the program committee of Knowledge Management in Organizations (KMO) 2008
- Member of the program committee of the session on Digital Business Ecosystem. Second IEEE International Digital Ecosystems and Technologies Conference, Thailand, 26, 29 February 2008
- Member of the program committee of the Special Session on Soft Computing Techniques for the future Semantic Web Trust Layer. FUZZ- IEEE 2007 IEEE International Conference on Fuzzy Systems Imperial College, London, UK, 23-26 July 2007
- Member of the program committee of the Special Session on Soft computing techniques for reputation and trust. Fuzzy Days 2006, 18-20 September 2006

### Refereed international journals articles

- Paolo Ceravolo, Gabriel Marques Tavares, Sylvio Barbon Junior, Ernesto Damiani (2021). Evaluation goals for online process mining: a concept drift perspective. IEEE TRANSACTIONS ON SERVICES COMPUTING, doi: 10.1109/TSC.2020.3004532.
- Valerio Bellandi, Paolo Ceravolo, Alessia Cristiano, Ernesto Damiani, Alberto Sanna, Diana Trojaniello (2021). A design methodology for matching smart health requirements. CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE, doi: <https://doi.org/10.1002/cpe.6062>
- José Miguel Pérez-Álvarez, Luisa Parody, María Teresa Gómez López, Rafael M. Gasca, Paolo Ceravolo (2021). Decision-making support for input data in business processes according to former instances. Comput. Sci. Inf. Syst. 18(3): 835-865, doi: <http://dx.doi.org/10.2298/CSIS200522051P>
- Mohamad Arafah, Paolo Ceravolo, Azzam Mourad, Ernesto Damiani, Emanuele Bellini (2021). Ontology based recommender system using social network data. FUTURE GENERATION COMPUTER SYSTEMS 115, 769-779, doi: <https://doi.org/10.1016/j.future.2020.09.030>
- Leida Marcello, Paolo Ceravolo, Ernesto Damiani, Rasool Asal, and Maurizio Colombo (2019). Dynamic Access Control to Semantics-Aware Streamed Process Logs. JOURNAL ON DATA SEMANTICS, vol. 8, no. 3: 203-218, doi: 10.1007/s13740-019-00106-2
- Ardagna, Claudio Agostino, Bellandi, Valerio, Bezzi, Michele, Ceravolo, Paolo, Damiani, Ernesto, Hebert, Cedric (2021). Model-based Big Data Analytics-as-a-Service: Take Big Data to the Next Level. IEEE TRANSACTIONS ON SERVICES COMPUTING, ISSN: 1939-1374, doi: 10.1109/TSC.2018.2816941

- Tavares, Gabriel Marques, Victor Guilherme Turrisi da Costa, Vinicius Eiji Martins, Paolo Ceravolo, and Sylvio Barbon Jr. Leveraging Anomaly Detection in Business Process with Data Stream Mining. (2019). *iSys-Revista Brasileira de Sistemas de Informação* 12, no. 1
- Ceravolo, Paolo, Azzini, Antonia, Angelini, Marco, Catarci, Tiziana, Cudré-Mauroux, Philippe, Damiani, Ernesto, Mazak, Alexandra, Van Keulen, Maurice, Jarrar, Mustafa, Santucci, Giuseppe, Sattler, Kai-Uwe, Scannapieco, Monica, Wimmer, Manuel, Wrembel, Robert, Zaraket, Fadi. Big Data Semantics. *JOURNAL ON DATA SEMANTICS*, vol. 7 (2018), p. 65-85, ISSN: 1861-2032, doi: 10.1007/s13740-018-0086-2
- Bellini, Emanuele, Ceravolo, Paolo, Nesi, Paolo (2017). Quantify resilience enhancement of UTS through exploiting connected community and internet of everything emerging technologies. *ACM TRANSACTIONS ON INTERNET TECHNOLOGY*, vol. 18, p. 1-34, ISSN: 1533-5399, doi: 10.1145/3137572
- E. Damiani, P. Ceravolo, F. Frati, V. Bellandi, R. Maier, I. Seeber, G. Waldhart (2015). Applying recommender systems in collaboration environments. *COMPUTERS IN HUMAN BEHAVIOR*, vol. 51, p. 1124-1133, ISSN: 0747-5632, doi: 10.1016/j.chb.2015.02.045
- S. Thalmann, M. Manhart, P. Ceravolo, A. Azzini (2014). An Integrated Risk Management Framework: Measuring the Success of organizational Knowledge Protection. *INTERNATIONAL JOURNAL OF KNOWLEDGE MANAGEMENT*, vol. 10, p. 28-42, ISSN: 1548-0666, doi: 10.4018/ijkm.2014040103
- K. Takada, Y. Sakurai, S. Tsuruta, E. Damiani, V. Bellandi, M. Anisetti, P. Ceravolo (2013). An efficient language pipeline for flexible rule-based context representation. *JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING*, vol. 4, p. 439-450, ISSN: 1868-5137, doi: 10.1007/s12652-012-0166-3
- Y. Sakurai, K. Takada, M. Anisetti, V. Bellandi, P. Ceravolo, E. Damiani, S. Tsuruta (2012). Toward sensor-based context aware systems. *SENSORS*, vol. 12, p. 632-649, ISSN: 1424-8220, doi: 10.3390/s120100632
- J. Carmigniani, B. Furht, M. Anisetti, P. Ceravolo, E. Damiani, M. Ivkovic (2011). Augmented reality technologies, systems and applications. *MULTIMEDIA TOOLS AND APPLICATIONS*, vol. 51, p. 341-377, ISSN: 1380-7501, doi: 10.1007/s11042-010-0660-6
- M. Leida, P. Ceravolo, E. Damiani, Z. Cui, A. Gusmini (2010). Semantics-aware matching strategy (SAMS) for the ontology mediated data integration (ODDI). *INTERNATIONAL JOURNAL OF KNOWLEDGE ENGINEERING AND SOFT DATA PARADIGMS*, vol. 2, p. 33-56, ISSN: 1755-3210, doi: 10.1504/IJKESDP.2010.030465

- Paolo Ceravolo, Angelo Corallo, Gianluca Elia: Semantic web-based profiled knowledge discovery in community of practice. INTERNATIONAL JOURNAL OF BUSINESS PROCESS INTEGRATION AND MANAGEMENT (IJBPIIM) 3(4): 256-270 (2008)
- P. Ceravolo, E. Damiani, M. Viviani (2007). Bottom-up extraction and trust-based refinement of ontology metadata. IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, vol. 19, p. 149-163, ISSN: 1041-4347, doi: 10.1109/TKDE.2007.23

### Main conference proceedings

- S. B. Junior, P. Ceravolo, E. Damiani, N. J. Omori and G. M. Tavares, "Anomaly Detection on Event Logs with a Scarcity of Labels," 2020 2nd International Conference on Process Mining (ICPM), Padua, Italy, 2020, pp. 161-168, doi: 10.1109/ICPM49681.2020.00032.
- C. A. Ardagna, V. Bellandi, P. Ceravolo, E. Damiani and R. Finazzo, "A Methodology for Cross-Platform, Event-Driven Big Data Analytics-as-a-Service," 2019 IEEE International Conference on Big Data (Big Data), Los Angeles, CA, USA, 2019, pp. 3440-3448, doi: 10.1109/BigData47090.2019.9005503.
- TG. M. Tavares, P. Ceravolo, V. G. Turrise Da Costa, E. Damiani and S. Barbon Junior, "Overlapping Analytic Stages in Online Process Mining," 2019 IEEE International Conference on Services Computing (SCC), Milan, Italy, 2019, pp. 167-175, doi: 10.1109/SCC.2019.00037.
- E. Bellini, P. Ceravolo and E. Damiani, "Blockchain-Based E-Vote-as-a-Service," 2019 IEEE 12th International Conference on Cloud Computing (CLOUD), Milan, Italy, 2019, pp. 484-486. doi: 10.1109/CLOUD.2019.00085
- P. Ceravolo and E. Bellini, "Towards Configurable Composite Data Quality Assessment," 2019 IEEE 21st Conference on Business Informatics (CBI), Moscow, Russia, 2019, pp. 249-257. doi: 10.1109/CBI.2019.00035
- Azzini A., Ceravolo P., Colella M. (2019) Performances of OLAP Operations in Graph and Relational Databases. In: Uden L., Ting IH., Corchado J. (eds) Knowledge Management in Organizations. KMO 2019, doi: 10.1007/978-3-030-21451-7\_24. Communications in Computer and Information Science, vol 1027. Springer, Cham.
- Ciclosi, F., Ceravolo, P., Damiani, E. and De Ieso, D., 2019. Assessing Compliance of Open Data in Politics with European Data Protection Regulation. In Politics and Technology in the Post-Truth Era (pp. 89-114). Emerald Publishing Limited.

- Maqsood, R., Ceravolo, P. and Ventura, S., 2019, April. Discovering Students' Engagement Behaviors in Confidence-based Assessment. In 2019 IEEE Global Engineering Education Conference (EDUCON) (pp. 841-846). IEEE.
- Maqsood, Rabia, Ceravolo, Paolo (2018). Modeling Behavioral Dynamics in Confidence-Based Assessment. In: 2018 IEEE 18th International Conference on Advanced Learning Technologies (ICALT). p. 452-454, IEEE, ISBN: 9781538660492, Bombay, 2018, doi: 10.1109/ICALT.2018.00112
- Redavid, D., Malerba, D., Di Martino, B., Esposito, A., Ardagna, C.A., Bellandi, V., Ceravolo, P. and Damiani, E., 2018, July. Semantic Support for Model Based Big Data Analytics-as-a-Service (MBDAaaS). In Conference on Complex, Intelligent, and Software Intensive Systems (pp. 1012-1021). Springer, Cham.
- Ardagna, C.A., Bellandi, V., Ceravolo, P., Damiani, E., Di Martino, B., D'Angelo, S. and Esposito, A., 2018, July. A Fast and Incremental Development Life Cycle for Data Analytics as a Service. In 2018 IEEE International Congress on Big Data (BigData Congress) (pp. 174-181). IEEE.
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- P. Ceravolo, E. Damiani, D. Fasoli, G. Gianini (2010). Representing immaterial value in business model. In: 2010 14th IEEE international enterprise distributed object computing conference workshops, EDOCW 2010: 25-29 October 2010, Vitória, Brazil: proceedings. p. 323-329, Los Alamitos:Institute of electrical and electronics engineers, ISBN: 9781424479658, Vitoria, Brazil, 2010, doi: 10.1109/EDOCW.2010.51
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### Invited talks

- Keynote Speaker: The Quest for Conflicting Knowledge. How to stay sane while data get messed up. 10th International Workshop on DEClarative, DECision and Hybrid approaches to processes (DEC2H 2022). In conjunction with BPM 2022. Münster, Germany, 12 September 2022.
- Guest Lecturer, "The Ordinary and the Extraordinary of Process Mining. What you can do with process mining and the open challenges for the future", Department of Information Systems, Surabaya, Indonesia, 24-11-2021.
- Panelist at IFIP 60th Anniversary Event Series, panel "Future Trends in Databases" chaired by Prof. Philippe Cudre-Mauroux (Fribourg University), 22-11-2021.
- Invited speaker in the Digital Health session of the 4th Conference on Digital Evolution (IDE 2021), Engineering Continuous Monitoring of Intrinsic Capacity for Elderly People, a presentation of the H2020 SMART BEAR project, 16-09-2021.
- Panelist at IEEE Services Computing 2021, panel "Advances & Challenges in Software Service Engineering" chaired by Prof. Zhi Jin (Peking University) and Prof. Carl K. Chang (Iowa State University), 11-09-2021.
- Keynote Speaker: Handling Conflicting Requirements: a Primer. Context-aware, Autonomous and Smart Architecture Workshop, co-located with the 14th European Conference on Software Architecture 15 September, L'Aquila, Italy, 2020
- Speaker of a tutorial entitled Developing with Model-driven Big Data Analytics-as-a-Service: the Toreador Approach at the 24th International European Conference on Parallel and Distributed Computing (EURO-PAR 2018) 27- 08-2018

- Keynote Speaker: Deactivating the information trap. Navigating the House of Wisdom How to write a good book in the medieval Middle East. Università degli Studi di Milano, 25-05-2017

# TEACHING PROFILE

## Academic examination committees

- Member of the Comparative Evaluation Committee for positions as research assistant (RTD/A) in the scientific sector INF/01 Computer Science: competition established at University of Milan, by the Rectoral Decree No. 4044/2022 published on 16/09/2022 - [15-10-2022 - 28-11-2022]
- Member of the Examining Board of the Computer Science Ph.D. cycle XXXVII, Session 2 at the University of Milan - [15-10-2021 - 15-11-2021]

## Ph.D. board

- Member of the board of the Ph.D. School in Computer Science at the University of Milan - DOT1315818 [01-10-2013 - 31-12-2018]
- Member of the board of the Ph.D. School in Computer Science at the University of Milan - DOT0315455 [01-01-2010 - 31-12-2012]

## Ph.D. courses

- Lecturer of the course entitled "Leveraging Machine Learning in Process Mining - January 2022" (10 hours) at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 [27-01-2021 - 28-01-2021]
- Lecturer of the course entitled "Data Lakes in Big Data Architectures" (10 hours) at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 [26-11-2019 - 27-11-2019]
- Lecturer of the course entitled "Business Process Mining" (15 hours) at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 [14-11-2017 - 16-11-2017]
- Lecturer of the course entitled "Business Process Intelligence" (12 hours) at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 - from [09-05-2016 - 12-05-2016]
- Teacher of a module entitled "Emergent Semantics" (4 hours) within the course entitled "Business Process and Community Modeling" (12 hours) coordinated by Prof. Ernesto Damiani, at the Ph.D. School in Computer Science of the University of Milan - DOT0315455 [08-03-2010 - 12-03-2010]

## Ph.D. supervision

- Supervisor of Rafael Oyamada, student at the Ph.D. School in Computer Science of the University of Milan, Industrial position in cooperation with Avio srl - DOT1315818 [01-01-2022 - now]
- External supervisor of Dessalegn Mequanint Yehuala's, student at the Ph.D. School in Computer Science of the Addis Ababa University Ethiopia [01-01-2021 - now]

- Supervisor of Gabriel Marques Tavares, student at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 [01-10-2019 - now]
- Supervisor of Rabia Maqsood, student at the Ph.D. School in Computer Science of the University of Milan - DOT1315818 with a thesis titled ANALYZING AND MODELING STUDENTS' BEHAVIORAL DYNAMICS IN CONFIDENCE-BASED ASSESSMENT / R. Maqsood ; supervisor: P. Ceravolo ; director of the phd school: P. Boldi. - Milano : Università degli studi di Milano. DIPARTIMENTO DI INFORMATICA "Giovanni Degli Antoni", 2020 Jan 31. ((32. ciclo, Anno Accademico 2019. [http://dx.doi.org/10.13130/maqsood-rabia\\_phd2020-01-31](http://dx.doi.org/10.13130/maqsood-rabia_phd2020-01-31) [01-12-2016 - 01-10-2019]
- Commissione di Dottorato Consortile in Informatica (UNIPG-UNIFI-INDAM) per il XXXIII ciclo come \*supplenti\*. 2021
- External examiner of the PhD Thesis of Volodymyr Leno, Robotic Process Mining: Accelerating the Adoption of Robotic Process Automation, Ph.D. Program Institute of Computer Science, Faculty of Science and Technology, University of Tartu, Estonia co-tutored by School of Computing and Information Systems at the University of Melbourne, Australia [June 2021]
- External examiner of the PhD Thesis of Marianna Lezzi, Cybersecurity management in Industry 4.0: A four-step methodology for assessing business impacts, Ph.D. Program In Engineering of Complex Systems, Università del Salento [Jan 2020]
- Supervision of Muneeb Kiani, student at the Computer Science Doctorate of the University of Milan - DOT1315818 -[01-03-2016 - 10-10-2018]
- External examiner of Kahlawi Adham's doctoral thesis, entitled "Il ruolo di approcci e tecnologie semantiche nella predisposizione di sistemi informativi statistici a supporto delle decisioni in ambienti complessi" (The role of semantic approaches and technologies in the preparation of statistical information systems to support decisions in complex environments), <http://hdl.handle.net/2158/1036349>, Ph.D. in Statistics, Computer Science, and Applications, Università degli Studi di Firenze [10-03-2015]
- External examiner of Abgaz's doctoral thesis, Yalemisew Mintsnote, entitled "Change impact analysis for evolving ontology-based content management". Diss. Dublin City University [ 01-24-2013]

### Post-graduate courses

- Post-graduate courses at Università degli Studi di Milano, Italy: Master in Digital Humanities - Tecniche di analisi dei dati e Big Data (9h, years 2020, 2021, 2022)

- Post-graduate courses at Università del Salento, Italy: International Master in e-Business management - Learning Module: e-Business Management (24h, years 2007-2009)

### Self-governance services for undergraduate and graduate courses

- Orientation for incoming students [2013 - now]
- Orientation for outgoing students [2016 - now]
- Internship and three-year degree thesis commission [2015 - now]
- Erasmus program commission [2018 - 2019]

### Undergraduate and graduate courses

- Graduate courses at Università degli Studi di Milano, Italy: Business Information Systems (Classe LM-18) (6 ECTS, years 2014-2016 and 2020-2021)
- Undergraduate courses at Università degli Studi di Milano, Italy: Editoria Digitale (Classe L-31) - *Digital Publishing* (6 ECTS , years 2022-2025); Programmazione Web e Mobile (Classe L-31) - *Web Programming* (6 ECTS , years 2009-2021); Fondamenti di Informatica per le Scienze Umanistiche (Classe L-20) - *Fundamentals of Computer Science for the Humanities* (6 ECTS , years 2015-2023 ), Informatica Applicata (Classe L-29) - *Applied Informatics* (3 ECTS, years 2012-2015), Teorie e Tecniche dei Nuovi Media (Classe L-31) - *Theories and Techniques of New Media* (6 ECTS , years 2007-2009), Laboratorio di Modelli di Business per il Web (Classe L-20) - *Laboratory of Business Models in the Web* (3 ECTS, years 2020-2021).
- Undergraduate courses at Free University of Bozen, Italy: Business Information Systems: Exercise (Classe LM-18) (3 ECTS, years 2008-2010)

## Specialisation schools in secondary educational programs

- Teacher (20 h) and member of the course examination committee IFTS in Sviluppatore APP per Smart City (Decreto Regione Lombardia n.10393 del 20.10.2016 - id.corso 167063) [2016-2017]
- Teacher (20 h) and member of the course examination committee IFTS Tecnico superiore per la comunicazione ed il multimedia per la valorizzazione dei beni ed eventi culturali (<https://iftscomunicazione.wordpress.com>) [2013-2014]
- Supervisor in an internship on Social Network Analysis of the Alternanza Scuola Lavoro program[2017, 2018]

# TECHNOLOGY TRANSFER

## Patents

- Italian Patent application n. 102020000000430 13.01.2020, Dispositivo e metodo per verificare giocate effettuate da apparato d'utente, Paolo Ceravolo, Donato Angelo De Ieso. [13-01-2020]
- Italian Patent application n. 102021000017168 19.12.2021, Metodo per calcolare una o più isoviste di un ambiente fisico o di realtà estesa, Barbara Piga, Gabriele Stancato, Marco Boffi, Nicola Rainisio, Paolo Ceravolo, Gabriel Marques Tavares.

## co-Founder

- Inpolitix - Advanced services for political campaigns (<http://www.inpolitix.com/>) [2017 – 2019] now merged with Dilium srl

## Consultancies

- Design of the usability of the website [bellfish.dilium.com](http://bellfish.dilium.com) [2019]
- Design of the recommendation algorithms for [E-travel](#) farm [2016 – 2018]
- Design of the recommendation algorithms for the [cdling.com](http://cdling.com) platform [2013 – 2016]
- Design of the usability of the I-conn remote desk [www.i-conn.it](http://www.i-conn.it) [2013– 2016]

## Training

- Animator of the LivingLab (bootstrapping business ideas), Computer Science Department, Università degli Studi di Milano
- Teacher of the course Artificial Intelligence (2 h) at the Talent Garden Innovation School - Milano [June 2021]
- Teacher of the course Advanced JavaScript (20 h) at the Talent Garden Innovation School - Milano [October 2016]



# PUBLIC ENGAGEMENT

## Evaluation committees

- Premio DONNE IN TESI del Comune di Crema - alla miglior tesi di laurea sulle tematiche femminili [2015, 2017, 2019, 2021]

## Invited talks and courses

- Relatore dell'incontro (1h) intitolato "Cittadinanza digitale e diritti", presso comune di Crema [05-2022]
- Relatore del seminario (1h) intitolato "Analizzare i processi di business: sfuggendo le trappole inferenziali", nella rassegna Milano Digital Week [2019]
- Relatore al seminario (2h) "Migliorare il margine aziendale: ottimizzare i processi di produzione" - Ordine degli Ingegneri di Bergamo [ 12-10-2018]
- Relatore al seminario (2h) "Dal fordismo a Industria 4.0: la digitalizzazione dei processi industriali" - UniCrema, Diocesi di Crema [ 22-03-2018]
- Relatore del seminario (3h) intitolato "Il consumo di informazione al tempo degli algoritmi" nella rassegna "Conversazioni digitali: quanto e come digitale e tecnologia sono entrati nella nostra vita quotidiana" organizzata dal Comune di Crema [24-10-2017]
- Relatore di un modulo formativo (7,5 ore) del progetto 5 petali, ASUL di Piacenza [27-03-2014]

## Voluntary Activities

- Scout Leader International Badge Patent [2002]
- Capo scout AGESCI, conseguendo il brevetto internazionale nel 2002. [1998-2011]
- Rappresentante commerciale della Coop. Soc. La Siembra di Crema. [1999-2001]

## GDPR Consensus Statement

*Autorizzo il trattamento dei miei dati personali ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 – “Codice in materia di protezione dei dati personali” e dell'art. 13 GDPR 679/16 – “Regolamento europeo sulla protezione dei dati personali”.*

Milan 13 November 2021

A handwritten signature in black ink, consisting of two distinct parts that appear to be initials or a stylized name.