

Paolo Garza

Name Paolo
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Date of birth March 1, 1976
Place of birth Carmagnola (TO), Italy
Citizenship Italian
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Position and Education

ACADEMIC POSITIONS

December 2019 – Present

Associate Professor at the Dipartimento di Automatica e Informatica of the Politecnico di Torino.

December 2015 – December 2019

Assistant Professor (tenure track) at the Dipartimento di Automatica e Informatica of the Politecnico di Torino.

December 2012 – December 2015

Assistant Professor (non-tenure track) at the Dipartimento di Automatica e Informatica of the Politecnico di Torino.

June 2010 – December 2012

Assistant Professor (non-tenure track) at the Dipartimento di Elettronica ed Informazione of the Politecnico di Milano.

January 2005 – May 2010

Postdoc/Research Assistant/Teaching Assistant at the Dipartimento di Automatica e Informatica of the Politecnico di Torino.

January 2002 – December 2004

Ph.D. in Information and System Engineering at the Dipartimento di Automatica e Informatica of the Politecnico di Torino.

September 2000 – April 2001

Web designer and developer at Systel S.r.l. (Torino, Italy)

EDUCATION

May 2005

Ph.D. in Information and System Engineering at the Politecnico di Torino.

Title: *Associative classification algorithms*

Advisor: *Prof. E. Baralis*

May 2001

Laurea (MSc equivalent) in Computer Engineering at the Politecnico di Torino.

Title: *Clustering Algorithms for Structured Data*

Advisor: *Prof. E. Baralis*

SCHOLARSHIPS

May 2008 - December 2009

Scholarship for “junior researcher” co-founded by from Regione Piemonte, CRT Foundation, and Istituto Superiore Mario Boella.

January 2002 - December 2004

Ph.D. scholarship.

Research interests

My research activity has been mainly focused on the design of on novel Data Mining and Big Data algorithms. In particular, the activity carried out in the last years spans over the following research lines: structured data classification, textual document summarization, scalable itemset mining algorithms, compact representation and querying of XML documents, and outlier detection.

Professional Activities

NATIONAL AND INTERNATIONAL RESEARCH PROJECTS

Paolo Garza contributed actively in the following research projects:

- *ML4QoE : Machine Learning for QoE (re-enabling QoE for multiparty real time)*, RESEARCH CONTRACT WITH CISCO SYSTEMS INC.
Period: 2019-2022
Role: Co-Principal Investigator
- *I-REACT: Improving Resilience to Emergencies through Advanced Cyber Technologies*, H2020 EUROPEAN RESEARCH PROJECT.
Period: 2016-2019
Role: Data Protection Officer, Privacy and Security Manager, Task Leader
- *ONTIC: Online Traffic Network Characterization*, FP7 EUROPEAN RESEARCH PROJECT.
Period: 2014-2017
Role: Participant
- *GENDATA 2020: Data-Centric Genomic Computing*, ITALIAN RESEARCH PROJECT FOUNDED BY MIUR.
Period: 2013-2016
Role: Participant
- *Data-X: Gestione, Trasformazione e Scambio di Dati in Ambiente Web*, ITALIAN RESEARCH PROJECT FOUNDED BY MIUR.
Period: 2014-2015
Role: Participant

- *MIE: Mobilit Intelligente Ecosostenibile*, ITALIAN RESEARCH PROJECT FOUNDED BY MIUR.
Period: 2014-2016
Role: Participant
- *S[m2]art: Smart Metro Quadro*, ITALIAN RESEARCH PROJECT FOUNDED BY MIUR.
Period: 2014-2016
Role: Participant
- *EDEN: Energy Data Engagement*, ITALIAN RESEARCH PROJECT FOUNDED BY REGIONE PIEMONTE.
Period: 2014-2015
Role: Participant
- *WEB-BI: Web intelligence*, ITALIAN RESEARCH PROJECT FOUNDED BY REGIONE PIEMONTE.
Period: 2012-2013
Role: Participant
- *SMILE-O: Smart MeterIng for Local Energy Optimization*, ITALIAN RESEARCH PROJECT FOUNDED BY REGIONE PIEMONTE.
Period: 2011-2013
Role: Participant
- *Context-aware system for user and service profiling*, RESEARCH CONTRACT WITH TELECOMITAL-IALAB.
Period: 2008-2009
Role: Participant
- *A system for “soft” real-time transaction management*, RESEARCH CONTRACT WITH TELECOMITAL-IALAB.
Period: 2006-2006
Role: Participant
- *SAIB - A Framework for Internet Banking Applications*, INDUSTRIAL RESEARCH PROJECT GRANTED BY MIUR.
Period: 2002-2004
Role: Participant.
- *Data-X: Management, Transformation and Exchange of Data in a Web Environment*, MURST COFIN 1999 RESEARCH PROJECT.
Role: Participant.

ORGANIZATION COMMITTEE, PROGRAM COMMITTEE, AND REVISION ACTIVITIES

Program Chair and Organization Committees

- Co-chair for the “CIKM AnalytiCup competition”, co-located with the ACM 2018 International Conference on Information and Knowledge Management (CIKM’18).
- Co-chair for the workshop “Data Science for Emergency Management (DSEM’17)”, co-located with the 2017 IEEE International Conference on Big Data (IEEE BigData 2017).
- Co-chair for the “First Workshop on ICT Tools for Emergency Networks and DisastEr Relief (I-TENDER’17)”, co-located with the 13th International Conference on emerging Networking EXperiments and Technologies (CoNEXT’17).

Program Committee Member

- European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD'19, ECML-PKDD'18, ECML-PKDD'167, ECML-PKDD'16, ECML-PKDD'15, ECML-PKDD'14, ECML-PKDD'11)
- IEEE International Conference on Data Science and Advanced Analytics (DSAA'16, DSAA'15)
- IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'14, ASONAM'13, ASONAM'12, ASONAM'11, ASONAM'10)
- International Conference on Social Computing and its Applications (SCA'13, SCA'12, SCA'11)
- International Conference on Machine Learning, Optimization and Data Science (LOD'20, LOD'19, LOD'18)
- International Conference on Business Intelligence Systems (miproBIS'20, miproBIS'19, miproBIS'18, miproBIS'17, miproBIS'16, miproBIS'15, miproBIS'14, miproBIS'13)
- International Multidisciplinary Social Networks Conference (MISNC'18, MISNC'17, MISNC'16, MISNC'15)
- International Conference on Machine learning, Optimization & big Data (MOD'17, MOD'16, MOD'15)
- International Conference on Data Analytics (DATA ANALYTICS'15, DATA ANALYTICS'14, DATA ANALYTICS'13)
- International Conference on Advances in Information Mining and Management (IMMM'18, IMMM'17, IMMM'16, IMMM'15, IMMM'14, IMMM'13)
- International Conference on Social Eco-Informatics (SOTICS'14, SOTICS'13, SOTICS'12, SOTICS'11)
- International Conference on Social Computing and its Applications (SCA'13, SCA'12, SCA'11)
- International Symposium on Foundations and Applications of Big Data Analytics. Editions: FAB'18, FAB'17, FAB'16, FAB'15
- International Symposium on Methodologies for Intelligent Systems (ISMIS'18)
- International Symposium on Big Data Management and Analytics (BIDMA'18, BIDMA'17, BIDMA'16)
- International Workshop on Behavior and Social Informatics (BSI'13)
- International Workshop on Behavior and Social Informatics and Computing (BSIC'13)
- International Workshop of Social Knowledge Discovery and Utilization (SKDU'12)
- International Workshop on Flexible Database and Information System Technology (FlexDBIST'11, FlexDBIST'10, FlexDBIST'09)

Revision Activities

Paolo Garza has served as reviewer for the following journals

- TKDD - ACM Transactions on Knowledge Discovery from Data, ACM
- TOIS - ACM Transactions on Information Systems, ACM
- TKDE - IEEE Transactions on Knowledge and Data Engineering, IEEE

- TCC - IEEE Transactions on Cloud Computing, IEEE
- TDSC - IEEE Transactions on Dependable and Secure Computing, IEEE
- DMKD - Data Mining and Knowledge Discovery, Springer
- DKE - Data & Knowledge Engineering, Elsevier
- KAIS - Knowledge and Information Systems, Springer
- EAAI - Engineering Applications of Artificial Intelligence, Elsevier
- JSS- Journal of Systems and Software, Elsevier
- IT Professional, IEEE
- PEVA - Performance Evaluation, Elsevier
- TLDKS - Transactions on Large Scale Data and Knowledge-Centered Systems, Springer
- Intelligent Data Analysis, Special Issue on “Dynamic Networks and Knowledge Discovery”, IOS Press

Teaching Activity

PROFESSOR/LECTURER

- Big data: architectures and data analytics (6 CFUs - taught in English), Masters degree in Computer Engineering, Politecnico di Torino, Academic Years: 2019/2020, 2018/2019, 2017/2018, 2017/2018, 2016/2017, 2015/2016.
- Distributed architectures for big data processing and analytics (8 CFUs - taught in English), Masters degree in Data Science And Engineering, Politecnico di Torino, Academic Years: 2019/2020.
- Big data for Internet applications (6 CFUs - taught in English), Masters degree in Ict For Smart Societies, Politecnico di Torino, Academic Years: 2019/2020.
- Databases (8 CFUs - taught in Italian), Bachelors degree in Computer Engineering, Politecnico di Torino, Academic Years: 2016/2017.
- Databases (6 CFUs - taught in Italian), Bachelors degree in Computer Engineering, Politecnico di Torino, Academic Year 2015/2016.
- Computer science (8 CFUs - taught in Italian), Bachelors degree in Engineering, Politecnico di Torino, Academic Years: 2014/2015, 2013/2014.
- Computer science (7 CFUs - taught in Italian), Bachelors degree in Energy Engineering, Politecnico di Milano, Academic Year: 2012/2013.
- Databases and information systems(6 CFUs - taught in Italian), Bachelors degree in Industrial Production Engineering and Mechanical Engineering, Politecnico di Torino, Academic Year: 2009/2010.

TEACHING ASSISTANT

- Databases (taught in Italian), Bachelors degree in Computer Engineering, Politecnico di Torino, Academic Years: 2014/2015, 2013/2014, 2012/2013, 2009/2010, 2007/2008, 2006/2007, 2005/2006, 2004/2005, 2003/2004, 2002/2003.
- Databases (taught in English), Bachelors degree in Computer Engineering, Politecnico di Torino, Academic Year: 2013/2014.
- Computer science (taught in Italian), Bachelors degree in Engineering, Politecnico di Torino, Academic Year: 2012/2013.
- Technologies for information systems (taught in English), Masters degree in Computer Engineering, Politecnico di Milano, Academic Years: 2012/2013, 2011/2012, 2010/2011.
- Computer science (taught in Italian), Bachelors degree in Industrial Engineering, Politecnico di Milano, Academic Year: 2011/2012.
- Databases I (taught in Italian), Bachelors degree in Computer Engineering, Politecnico di Milano, Academic Years: 2011/2012, 2010/2011.
- Multimedia digital libraries and data mining (taught in Italian), Bachelors degree in Cinema and Media Engineering, Politecnico di Torino, Academic Years: 2010/2011, 2009/2010, 2008/2009, 2007/2008.
- Database management systems (taught in English), Masters degree in Computer Engineering, Politecnico di Torino, Academic Year: 2008/2009.
- Data analysis (taught in Italian), Masters degree in Computer Engineering, Politecnico di Torino, Academic Years: 2006/2007, 2005/2006, 2004/2005.
- Database management systems (taught in Italian), Bachelors degree in Computer Engineering, Politecnico di Torino, Academic Year: 2002/2003.

Date 04/04/2020

Signature 

Complete publication list

PUBLICATION LIST

Refereed international journals	34
Refereed international conferences	20
Referred international workshops	17
Refereed chapters in international books	5

REFEREED INTERNATIONAL JOURNALS

- JR.1. Luca Cagliero, Paolo Garza, Andrea Pasini, Elena Baralis (In press). Additional reviewer assignment by means of weighted association rules. In *IEEE Transactions on Emerging Topics in Computing (TETC)*, in press, ISSN: 2168-6750, DOI: 10.1109/TETC.2018.2861214
- JR.2. Luca Cagliero, Paolo Garza, Giuseppe Attanasio, Elena Baralis (In press). Training ensembles of faceted classification models for quantitative stock trading. In *Computing (COMP)*, in press, ISSN: 0010-485X, DOI: 10.1007/s00607-016-0505-x
- JR.3. Mohammad Reza Kavosif, Daniele Apiletti, Elena Baralis, Paolo Garza, Benoit Huet (In press). Effective video hyperlinking by means of enriched feature sets and monomodal query combinations. In *International Journal of Multimedia Information Retrieval (IJMIR)*, in press, ISSN: 2192-662X, DOI: 10.1007/s13735-019-00173-y
- JR.4. Luca Cagliero, Paolo Garza, Elena Baralis (2019). ELSA: A Multilingual Document Summarization Algorithm Based on Frequent Itemsets and Latent Semantic Analysis. In *ACM Transactions on Information Systems (TOIS)*, Vol. 37, no. 2, 2019, pp. 1-33, ISSN: 1046-8188, DOI: 10.1145/3298987
- JR.5. Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Antonio Attanasio (2018). Characterizing unpredictable patterns in Wireless Sensor Network data. In *Information Sciences (INS)*, Vol. 467, 2018, pp. 149-162, ISSN: 0020-0255, DOI: 10.1016/j.ins.2018.08.002
- JR.6. Luca Cagliero, Paolo Garza, Mohammad Reza Kavosif, Elena Baralis (2018). Discovering cross-topic collaborations among researchers by exploiting weighted association rules. In *Scientometrics (SCIM)*, Vol. 116, no. 2, 2018, pp. 1273-1301, ISSN: 0138-9130, DOI: 10.1007/s11192-018-2737-3
- JR.7. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Paolo Garza, Fabio Pulvirenti (2017). Discovering profitable stocks for intraday trading. In *Information Sciences (INS)*, Vol. 405, 2017, pp. 91-106, ISSN: 0020-0255, DOI: 10.1016/j.ins.2017.04.013
- JR.8. Luca Venturini, Elena Baralis, Paolo Garza (2017). Scaling associative classification for very large datasets. In *Journal of Big Data (JBD)*, Vol. 4, 2017, pp. 1-24, ISSN: 2196-1115, DOI: 10.1186/s40537-017-0107-2
- JR.9. Daniele Apiletti, Elena Baralis, Tania Cerquitelli, Paolo Garza, Fabio Pulvirenti, Pietro Michiardi (2017). A Parallel MapReduce Algorithm to Efficiently Support Itemset Mining on High Dimensional Data. In *Big Data Research (BDR)*, Vol. 10, 2017, pp. 53-69, ISSN: 2214-5796, DOI: 10.1016/j.bdr.2017.10.004
- JR.10. Daniele Apiletti, Elena Baralis, Tania Cerquitelli, Paolo Garza, Fabio Pulvirenti, Luca Venturini (2017). Frequent Itemsets Mining for Big Data: A Comparative Analysis. In *Big Data Research (BDR)*, Vol. 9, 2017, pp. 67-83, ISSN: 2214-5796, DOI: 10.1016/j.bdr.2017.06.006
- JR.11. Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Xin Xiao (2017). Predicting critical conditions in bicycle sharing systems. In *Computing (COMP)*, Vol. 99, no. 1, 2017, pp. 39-57, ISSN: 0010-485X, DOI: 10.1007/s00607-016-0505-x
- JR.12. Elena Baralis, Luca Cagliero, Paolo Garza (2017). Planning stock portfolios by means of weighted frequent itemsets. In *Expert Systems with Applications (ESWA)*, Vol. 86, 2017, pp. 1-17, ISSN: 0957-4174, DOI: 10.1016/j.eswa.2017.05.051
- JR.13. Daniele Apiletti, Elena Baralis, Tania Cerquitelli, Paolo Garza, Danilo Giordano, Marco Mellia, Luca Venturini (2016). SeLINA: A Self-Learning Insightful Network Analyzer. In *IEEE Transactions on Network and Service Management (TNSM)*, Vol. 13, no. 3, 2016, pp. 696-710, ISSN: 1932-4537, DOI: 10.1109/TNSM.2016.2597443
- JR.14. Devis Bianchini, Paolo Garza, Elisa Quintarelli (2016). Characterization and search of web services through intensional knowledge. In *Journal of Intelligent Information Systems (JIIS)*, Vol. 47, no. 3, 2016, pp. 375-401, ISSN: 0925-9902, DOI: 10.1007/s10844-015-0369-0
- JR.15. Elena Baralis, Luca Cagliero, Alessandro Fiori, Paolo Garza (2015). MWI-Sum: a multilingual summarizer based on frequent weighted itemsets. In *ACM Transactions on Information Systems (TOIS)*, Vol. 34, no. 1, 2015, pp. 1-35, ISSN: 1046-8188, DOI: 10.1145/2809786

- JR.16. Dario Antonelli, Elena Baralis, Giulia Bruno, Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Naeem A. Mahoto (2015). MeTA: Characterization of medical treatments at different abstraction levels. In *ACM Transactions on Intelligent Systems and Technology (TIST)*, Vol. 6, no. 4, 2015, pp. 1-25, ISSN: 2157-6904, DOI: 10.1145/2700479
- JR.17. Cristiana Bolchini, Luca Cassano, Paolo Garza, Elisa Quintarelli, Fabio Salice (2015). An Expert CAD Flow for Incremental Functional Diagnosis of Complex Electronic Boards. In *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)*, Vol. 34, no. 5, 2015, pp. 835-848, ISSN: 0278-0070, DOI: 10.1109/TCAD.2015.2396997
- JR.18. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza (2015). Digging deep into weighted patient data through multiple-level patterns. In *Information Sciences (INS)*, Vol. 322, 2015, pp. 51-71, ISSN: 0020-0255, DOI: 10.1016/j.ins.2015.06.006
- JR.19. Luca Cagliero, Silvia Chiusano, Paolo Garza, Giulia Bruno (2015). Pattern Set Mining with Schema-based Constraint. In *Knowledge-Based Systems (KBS)*, Vol. 84, 2015, pp. 224-238, ISSN: 0950-7051, DOI: 10.1016/j.knosys.2015.04.023
- JR.20. Luca Cagliero, Paolo Garza (2014). Infrequent Weighted Itemset Mining using Frequent Pattern Growth. In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol.26, no.4, 2014, pp.903-915, ISSN: 1041-4347, DOI:10.1109/TKDE.2013.69
- JR.21. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Vincenzo DELia, Paolo Garza (2014). Expressive Generalized Itemsets. In *Information Sciences (INS)*, Vol. 278, 2014, pp. 327-343, ISSN: 0020-0255, DOI:10.1016/j.ins.2014.03.056
- JR.22. Luca Cagliero, Tania Cerquitelli, Paolo Garza, Luigi Grimaudo (2014). Misleading Generalized Itemset Discovery. In *Expert Systems With Applications (ESWA)*, Vol. 41, Issue 4, Part 1, 2014, pp. 1400-1410, ISSN: 0957-4174, DOI: 10.1016/j.eswa.2013.08.039
- JR.23. Luca Cagliero, Tania Cerquitelli, Paolo Garza, Luigi Grimaudo (2014). Twitter Data Analysis by means of Strong Flipping Generalized Itemsets. In *Journal of Systems and Software (JSS)*, Vol. 94, 2014, pp. 16-29, ISSN: 0164-1212, DOI:10.1016/j.jss.2014.03.060
- JR.24. Elena Baralis, Luca Cagliero, Paolo Garza (2013). EnBay: A Novel Pattern-Based Bayesian Classifier. In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol. 25, no. 12, 2013, pp. 2780-2795, ISSN: 1041-4347, DOI:10.1109/TKDE.2012.197
- JR.25. Luca Cagliero, Paolo Garza (2013). Improving classification models with taxonomy information. In *Data & Knowledge Engineering (DKE)*, Vol. 86, 2013, pp. 85-101, ISSN: 0169-023X, DOI:10.1016/j.datak.2013.01.005
- JR.26. Luca Cagliero, Paolo Garza (2013). Itemset generalization with cardinality-based constraints. In *Information Sciences (INS)*, Vol. 244, 2013, pp. 161-174, ISSN: 0020-0255, DOI:10.1016/j.ins.2013.05.008
- JR.27. Elena Baralis, Paolo Garza (2013). I-prune: Item Selection for Associative Classification. In *International Journal of Intelligent Systems (IJIS)*, Vol. 27, no. 3, 2012, pp. 279-299, ISSN: 0884-8173, DOI:10.1002/int.21524
- JR.28. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Paolo Garza (2012). Generalized association rule mining with constraints. In *Information Sciences (INS)*, Vol. 194, 2012, pp. 68-84, ISSN: 0020-0255, DOI:10.1016/j.ins.2011.05.016
- JR.29. Luca Cagliero, Tania Cerquitelli, Paolo Garza (2011). Semi-automatic ontology construction by exploiting functional dependencies and association rules. In *International Journal on Semantic Web and Information Systems (IJSWIS)*, Vol. 7, no. 2, 2011, pp. 1-22, ISSN: 1552-6283, DOI:10.4018/jswis.2011040101
- JR.30. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Paolo Garza, Marco Marchetti (2011). CAS-MINE: Providing personalized services in context-aware applications by means of generalized rules. In *Knowledge and Information Systems (KAIS)*, Vol. 28, no. 2, 2011, pp. 283-310, ISSN: 0219-1377, DOI:10.1007/s10115-010-0359-z
- JR.31. Giulia Bruno, Paolo Garza (2010). TOD: Temporal Outlier Detection by using quasi-functional temporal dependencies. In *Data & Knowledge Engineering (DKE)*, Vol. 69, 2010, pp. 619-639, ISSN: 0169-023X, DOI:10.1016/j.datak.2010.02.003
- JR.32. Elena Baralis, Silvia Chiusano, Paolo Garza (2008). A Lazy Approach to Associative Classification. In *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Vol. 20, no. 2, 2008, pp. 156-171, ISSN: 1041-4347, DOI:10.1109/TKDE.2007.190677
- JR.33. Elena Baralis, Paolo Garza, Elisa Quintarelli, Letizia Tanca (2007). Answering XML Queries by means of Data Summaries. In *ACM Transactions on Information Systems (TOIS)*, Vol. 25, no. 3, 2007, pp. 1-33, ISSN: 1046-8188, DOI:10.1145/1247715.1247716
- JR.34. Giulia Bruno, Paolo Garza, Elisa Quintarelli, Rosalba Rossato (2007). Anomaly Detection Through Quasi-Functional Dependency Analysis. In *Journal of Digital Information Management (JDIM)*, Special Issue on Advances in Querying Non-Conventional Data Sources, Vol. 5, no. 4, 2007, pp. 191-200, ISSN: 0972-7272

REFEREED INTERNATIONAL CONFERENCES

- IC.1. Luca Cagliero, Silvia Chiusano, Elena Daraio, Paolo Garza (2019). CarPredictor: Forecasting the Number of Free Floating Car Sharing Vehicles within Restricted Urban Areas. In *2019 IEEE International Congress on Big Data (BigData Congress 2019)*, Milan, Italy, 2019, pp. 72-76, ISBN 978-1-7281-2772-9, DOI: 10.1109/BigDataCongress.2019.00022

- IC.2. Alessandro Farasin, Paolo Garza (2018). PERCEIVE: Precipitation Data Characterization by means on Frequent Spatio-Temporal Sequences. In the 15th International Conference on Information Systems for Crisis Response and Management (ISCRAM18), NY, USA, 2018, pp. 1081-1088, ISBN: 9780692127605
- IC.3. Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Giuseppe Ricupero (2016). Discovering air quality patterns in urban environments. In ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UbiComp16), Heidelberg, Germany, 2016, pp. 25-28, ISBN: 9781450344623, DOI: 10.1145/2968219.2971458
- IC.4. Elena Baralis, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Mohammad Reza Kavosofar (2016). Analyzing air pollution on the urban environment. In the 39th International Convention on Information and Communication Technology, Electronics and Microelectronics (MIPRO16), Opatija, Croatia, 2016, pp. 1464-1469, ISBN: 9789532330885, DOI: 10.1109/MIPRO.2016.7522370
- IC.5. Daniele Apiletti, Elena Baralis, Tania Cerquitelli, Paolo Garza, Luca Venturini (2016). SaFe-NeC: A scalable and flexible system for network data characterization. In IEEE/IFIP Network Operations and Management Symposium (NOMS16), Istanbul, Turkey, 2016, pp. 812-816, ISBN: 9781509002238, DOI: 10.1109/NOMS.2016.7502905
- IC.6. Elena Baralis, Luca Cagliero, Paolo Garza, Luigi Grimaudo (2015). PaWI: ParallelWeighted Itemset Mining by means of MapReduce. In IEEE International Congress on Big Data (BigData Congress15), New York, USA, 2015, pp. 25-32, ISBN: 9781467372787, DOI: 10.1109/BigDataCongress.2015.14
- IC.7. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Luigi Grimaudo, Fabio Pulvirenti (2014). NEMICO: Mining network data through cloud-based data mining techniques. In ACM/IEEE International Conference on Utility and Cloud Computing (UCC14), Poster Session, London, United kingdom, 2014, pp. 503-504, ISBN: 9781479978816, DOI: 10.1109/UCC.2014.72
- IC.8. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza, Luigi Grimaudo, Fabio Pulvirenti (2014). Misleading generalized itemset mining in the cloud. In IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA14), Milan, Italy, 2014, pp. 211-216, ISBN: 9781479931637, DOI: 10.1109/ISPA.2014.36
- IC.9. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Silvia Chiusano, Paolo Garza (2013). Frequent Weighted Itemset Mining from Gene Expression Data. In IEEE International Conference on BioInformatics and BioEngineering (BIBE13), Chania, Greece, 2013, pp. 1-4, ISBN: 9781479931637, DOI:10.1109/BIBE.2013.6701681
- IC.10. Cristiana Bolchini, Paolo Garza, Elisa Quintarelli, Fabio Salice (2013). A Data Mining Approach to Incremental Adaptive Functional Diagnosis. In IEEE International Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems (DFT13), New York City, USA, 2013, pp. 13-18, ISBN: 978-1-4799-1583-5, DOI:10.1109/DFT.2013.6653576
- IC.11. Paolo Garza, Paolo Margara, Nicol Nepote, Luigi Grimaudo, Elio Piccolo (2013). Hadoop on a Low-Budget General Purpose HPC Cluster in Academia. In ADBIS Special session on Big Data: New Trends and Applications (BiDaTA13), Genova, Italy, 2013, pp. 187-192, ISBN: 978-3-319-01862-1, DOI:10.1007/978-3-319-01863-8_21
- IC.12. Paolo Garza (2011). Structured Data Classification by means of Matrix Factorization. In ACM International Conference on Information and Knowledge Management (CIKM11), Glasgow, Scotland, 2011, pp. 2165-2168, ISBN: 978-1-4503-0717-8, DOI:10.1145/2063576.2063917
- IC.13. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Vincenzo DELia, Paolo Garza (2010). Support driven opportunistic aggregation for generalized itemset extraction. In IEEE International Conference on Intelligent Systems (IS10), London, United Kingdom, 2010, pp. 102-107, ISBN: 978-1-4244-5164-7/10, DOI:10.1109/IS.2010.5548348
- IC.14. Elena Baralis, Luca Cagliero, Tania Cerquitelli, Paolo Garza, Marco Marchetti (2009). Context-Aware User and Service Profiling by means of Generalized Association Rules. In International Conference on Knowledge-based and Intelligent Information & Engineering Systems (KES09), Santiago, Chile, 2009, pp. 50-57, 978-3-642-04591-2, DOI:10.1007/978-3-642-04592-9_7
- IC.15. Elena Baralis, Marco Cabutto, Tania Cerquitelli, Antonio Garofalo, Paolo Garza (2008). Soft real-time view management. In IEEE International Conference on Intelligent Systems (IS08), Varna, Bulgaria, 2008, pp. 23-28, ISBN: 978-1-4244-1739-1, DOI:10.1109/IS.2008.4670549
- IC.16. Elena Baralis, Paolo Garza (2006). Associative Text Categorization exploiting Negated Words. In ACM Symposium on Applied Computing (SAC06), Dijon, France, 2006, pp. 530-535, ISBN: 1-59593-108-2, DOI:10.1145/1141277.1141402
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