

## **Resume of GIUSEPPE PSAILA**

Giuseppe Psaila was born in Cologno Monzese (MI) on 20 December 1967; he is an Italian citizen.

On April 7, 1993 he received the master degree in Electronic engineering by Politecnico di Milano.

During the summer of 1994 he spent three months at IBM Almaden Research Center, San Jose, California, USA.

On 30 June 1998 he received the PhD Degree on Informatics and Systems Engineering by Politecnico di Torino, presenting a thesis entitled "Integrating Data Mining Techniques and Relational Databases".

From November 1997 to October 2000 he was Research Assistant at Dipartimento di Elettronica e Informazione of Politecnico di Milano.

From 1 November 2000 to September 30, 2019, he was Researcher and Aggregate Professor at University of Bergamo.

Since October 1, 2019, Giuseppe Psaila has been Associate Professor at University of Bergamo, Dep. Of Management, Information and production engineering.

## **RESEARCH INTERESTS**

Prof. Giuseppe Psaila's research interests cover many topics concerned with data management. He started working on data mining techniques integrated with relational database during his PhD thesis.

With the advent of XML as the standard format for representing documents to share over the Internet, he worked on the topic of exploiting XML as the basis for Inductive Databases, i.e., databases in support to knowledge discovery activities, which are able to represent both the source data and the extracted patterns. The problem of efficiently managing XML data has been addressed too.

Applying soft computing and fuzzy techniques to process data has been a major track in his research activity, which is still alive. Moving from the proposal of an extension of SQL for soft querying classical relational databases, this research

line addressed the problem of manipulating web-search results, possibly related with geographical data.

The advent of social media, Big Data and Open data portals has provided new challenges as far as data management is concerned. Prof. Giuseppe Psaila has been working on novel topics, which are anyway part of the same main stream of his research. First of all, techniques for gathering and analyzing georeferenced posts (gathered from Twitter) describing people moving through a given territory were proposed; this work was developed during the participation to the project named "Urban Nexus", which is an Excellence Initiative funded by the University of Bergamo that involved EPFL of Lausanne (Switzerland) and Angila Ruskin University (UK). Another research topic addressed by Prof. Giuseppe Psaila is the challenge for "blind querying" open data portals and NoSQL databases, in particular JSON document stores. The problem of effectively managing a large varieties of JSON data sets is a crucial issue: for this reason, he has been developing the J-CO Framework, a pool of software tools built around a novel query language named J-CO-QL, which provides the capability to integrate and transform heterogeneous collections of possibly-geotagged JSON documents. Moving from his previous work on soft querying classical relational databases, Prof. Giuseppe Psaila is now extending the J-CO-QL query language with facilities to soft querying JSON documents.

As side research activities, Prof. Giuseppe Psaila is working studying capabilities of BlockChain platforms as far as data management and smart contracts are concerned, as well as he is addressing the effective and efficient adoption of machine-learning techniques.

## **CONTRIBUTION TO THE COMMUNITY**

Prof. Giuseppe Psaila has served as reviewer for many conferences and scientific journals. Furthermore, he organized several workshops and conferences as Program Committee chair. They are reported hereafter.

- International Workshop on "Database Technology for Data Mining", Prague (Czech Republic), 24 March 2002, in conjunction with EDBT International Conference on Extending Database Technology. Organizers: Pier Luca Lanzi and Giuseppe Psaila.
- International Workshop on "Supporting Imprecision and Uncertainty in Flexible Databases (SIUFDB-04)", Zaragoza (SPain), 3 September 2004, in conjunction with DEXA-04 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
- International Workshop on "Integrating Data Mining, DataBases and Information Retrieval (IDDI-05)", Copenhagen (Denmark), 23 August 2005, in conjunction with DEXA-05 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
- International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-06)", Krakow (Poland), 6 September 2006, in

- conjunction with DEXA-06 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
- EC-Web 2007 International Conference on "E-Commerce and Web Technologies", Regensburg (Germany), 3-7 September 2007. PC Chairs: Roland Wagner and Giuseppe Psaila.
  - International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-07)", Regensburg (Germany), 4 September 2007, in conjunction with DEXA-07 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
  - EC-Web 2008 International Conference on "E-Commerce and Web Technologies", Torino (Italia), 1-5 September 2008. Chairs: Roland Wagner and Giuseppe Psaila.
  - International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-08)", Torino (Italia), 1-5 September 2008, in conjunction with DEXA-08 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
  - International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-09)", Linz (Austria), 30 August-4 September 2009, in conjunction with DEXA-09 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
  - International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-2010)", Bilbao (Spagna), 30 August-3 September 2010, in conjunction with DEXA-2010 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
  - International Workshop on "Flexible Databases and Information System Technology (FlexDBIST-2011)", Toulouse (Francia), 29 August-3 September 2011, in conjunction with DEXA-2011 International Conference on Database and Expert Systems Applications. Chairs: Gloria Bordogna and Giuseppe Psaila.
  - SOCO 2022 International Conference on "Soft Computing", Salamanca (Spain), 5-7 September 2022. Co-Chairs: Francisco Javier Martínez, José Ramón Villar Flecha, Enrique A. De la Cal, Pablo García Bringas, Héctor Quintián, Álvaro Herrero, Alicia Troncoso Lora, Francisco Martínez Álvarez, Hilde Pérez García, and Giuseppe Psaila.
  - HAIS 2022 International Conference on "Hybrid Artificial Intelligence Systems", Salamanca (Spain), 5-7 September 2022. Co-Chairs: Emilio Corchado, Héctor Quintián, Pablo García Bringas, Francisco Javier Martínez, José Ramón Villar, Alicia Troncoso Lora, Enrique A. de la Cal, Álvaro Herrero, Francisco Martínez Álvarez, Hilde Pérez García, and Giuseppe Psaila.
  - FQAS 2025 International Conference on "Flexible Query Answering Systems", Burgas (Bulgaria), 11-13 September 2025. PC-Chairs: Gregory Smits and Giuseppe Psaila.

Furthermore, since January 2021, he's member of the Editorial Board of the Journal of Business Systems Research, <http://www.bsrjournal.org/>.

## **PUBLICATIONS**

During his career, Prof. Giuseppe Psaila published many papers on journal, books and conference proceedings.

### **Journals**

- J.1. E. Baralis, G. Psaila, "Designing Templates for Mining Association Rules", JIIS Journal of Intelligent Information Systems, Special Issue on Data Mining and Knowledge Discovery, vol. 9, p. 7-32, 1997.
- J.2. S. Crespi-Reghizzi, G. Psaila, "Grammar Partitioning and Modular Deterministic Parsing", Journal of Computer Languages, volume 24, p. 197-227. 1998.
- J.3. R. Meo, G. Psaila, S. Ceri, "An Extension to SQL for Mining Association Rules", Journal on Data Mining and Knowledge Discovery (DAMI), volume 2, p. 195-224 1998.
- J.4. G. Psaila, D. Brugali, "Issues in Virtual Database Support for Decentralized Knowledge Discovery", Journal of Digital Information Management JDIM, volume 2.3, p 127-131. 2004.
- J.5. G. Bordogna, M. Pagani, G. Pasi, G. Psaila, "Managing Uncertainty in Location-Based Queries", Journal of Fuzzy Sets and Systems, volume 160, p. 2241-2252. 2009.
- J.6. G. Bordogna, G. Psaila. "Soft Aggregation in Flexible Databases Querying based on the Vector p-norm". International Journal of Uncertainty, Fuzziness and Knowledge-based Systems, volume 17; p. 25-40. 2009.
- J.7. G. Bordogna, G. Psaila. Matrioshka's Soft Approaches to Personalized Web Exploration. Journal of Control and Cybernetics, volume 39(4); p. 925-958. 2010. 2010
- J.8. G. Bordogna, A. Campi, G. Psaila, S. Ronchi, Disambiguated Query Suggestions and Personalized Content-Similarity and Novelty Ranking of Clustered Results to Optimize Web Searches, Journal of Information Processing and Management, volume 48(3), p. 419-437. 2012.
- J.9. G. Bordogna, G. Ghisalberty, G. Psaila, Geographic information retrieval: Modeling uncertainty of user's context, Journal of Fuzzy Sets and Systems, volume 196, , p. 105-124. 2012.
- J.10. A. S. De Capitani di Vimercati, S. Foresti, S. Jajodia, S. Paraboschi, G. Psaila, P. Samarati, "Integrating Trust Management and Access Control in Data-Intensive Web Applications", ACM TWEB Transactions on The Web, volume 6(2). 2012.

- J.11. G. Bordogna, A. Cuzzocrea, L. Frigerio, G. Psaila, M. Toccu, An interoperable open data framework for discovering popular tours based on geo-tagged tweets. p.246-268. In *International Journal of Intelligent Information and Database Systems*, volume 10 (3/4). 2017.
- J.12. P. Garcia.Bringas, G. Psaila,. "Blockchain: challenges and opportunities beyond bitcoin." *DYNA* volume 92.5, p. 517-521. 2017.
- J.13. P. Garcia-Bringas, G. Psaila. "Cryptocurrencies (Bitcoin) and Blockchain." *DYNA* volume 93.2, p. 126-128. 2018.
- J.14. F. Burini, N. Cortesi, K. Gotti, G. Psaila- "The Urban Nexus Approach for Analyzing Mobility in the Smart City: Towards the Identification of City Users Networking. *Mobile Information Systems*, volume 2018. 2018.
- J.15. G. Bordogna, S. Capelli, D.E. Ciriello, G. Psaila, "A cross-analysis framework for multi-source volunteered, crowdsourced, and authoritative geographic information: The case study of volunteered personal traces analysis against transport network data." *Geo-spatial Information Science*, volume 21.3, p. 257-271. 2018.
- J.16. M. Pelucchi, G. Psaila, M. Toccu. "Hadoop vs. Spark: Impact on Performance of the Hammer Query Engine for Open Data Corpora." *Algorithms* volume 11(12). 2018.
- J.17. D. Facchinetti, P. Scandurra, G. Psaila. "Mobile cloud computing for indoor emergency response: the IPSOS assistant case study", *Journal of Reliable Intelligent Environments*, volume 5(3), pag. 173-191. 2019.
- J.18. S. Marrara, M. Pelucchi, G. Psaila. "Blind Queries Applied to JSON Document Stores", *MDPI Information*, volume 10(10), 291. 2019.
- J.19. G. Psaila, M. Toccu, "A Fuzzy Technique for On-Line Aggregation of POIs from Social Media: Definition and Comparison with Off-Line Random-Forest Classifiers", *MDPI Information*, Volume 10(12), 388. 2019.
- J.20. M. Ali, A. Baqir, G. Psaila, S. Malik, "Towards the discovery of influencers to follow in micro-blogs (twitter) by detecting topics in posted messages (tweets)", *MDPI Applied Science*, Volume 10(16), 5715.2020.
- J.21. P. Garcia Bringas, I. Pastor-López, G. Psaila, "BlockChain Platforms in Financial Services: Current Perspective", *Business Systems Research*, Volume 11(3), 110-126. 2020.
- J.22. G. Psaila, P. Fosci, "J-CO: A Platform-Independent Framework for Managing Geo-Referenced JSON Data Sets", *MDPI Electronics*, Volume 10(5), 621. 2021.
- J.23. F. Burini, N. Cortesi, G. Psaila, "From Data to Rhizomes: Applying a Geographical Concept to Understand the Mobility of Tourists from Geo-Located Tweets", *MDPI Informatics*, Volume 8(1), 1. 2021.
- J.24. P. Fosci, G. Psaila, "Towards Flexible Retrieval, Integration and Analysis of JSON Data Sets through Fuzzy Sets: A Case Study", *MDPI Information*, Colume 12(1), 258-298. 2021.

- J.25. I. Pastor-López, B. Sanz a, A. Tellaeché, G. Psaila, J. Gaviria de la Puerta, P. G. Bringas, "Quality assessment methodology based on machine learning with small datasets: Industrial castings defects", *Neurocomputing*, Volume 456, 622-628. 2021.
- J.26. Azzini, Antonia, Nicola Cortesi, and Giuseppe Psaila. "RADAR: Resilient Application for Dependable Aided Reporting." *Information* 12.11 (2021): 463.
- J.27. A. Azzini, N. Cortesi, and G. Psaila. "RADAR: Resilient Application for Dependable Aided Reporting." *Information* 12.11 (2021): 463. Scimago: Q2 (Information Systems).
- J.28. P. Fosci and G. Psaila. "Soft Integration of Geo-Tagged Data Sets in J-CO-QL+." *ISPRS International Journal of Geo-Information* 11.9 (2022): 484. Impact Factor 2022: 3.4; Scimago: Q2 (Computers in Earth Science).
- J.29. P. Fosci and G. Psaila. "Soft querying powered by user-defined functions in J-CO-QL+." *Neurocomputing* 546 (2023): 126311.
- J.30. P. Fosci and G. Psaila. "Soft Querying Features in GeoJSON Documents: The GeoSoft Proposal." *International Journal of Computational Intelligence Systems* 16.1 (2023): 163.
- J.31. P. Fosci and G. Psaila. "A unified view of multi-grade fuzzy-set models in J-CO-QL+." *Neurocomputing* 565 (2024): 126968.
- J.32. Fosci, Paolo, and Giuseppe Psaila. "Evolving J-CO-QL+ with fuzzy evaluators for flexible querying of JSON data sets." *Neurocomputing* (2025): 129621.
- J.33. Fosci, P., Nieves, J., Psaila, G., Boffelli, J., & Bringas, P. G. (2025). Bayesian generation of synthetic datasets for machine-learning tasks: a performance study. *Neurocomputing*, 132508.

## Books

- B.1. G. Psaila, "Enhancing the KDD Process in the Relational Database Mining Framework by Quantitative Evaluation of Association Rules", nel libro *Knowledge Discovery for Business Information Systems*, Kluwer Academic Publisher, ISBN 978-0-7923-7243-1. 2001.
- B.2. R. Meo, G. Psaila, "XML as a Unifying Model for Inductive Databases", nel libro *XML Data Management: Native XML and XML-Enabled Database Systems*, Addison Wesley, ISBN 978-0201844528. 2003.
- B.3. R. Meo, G. Psaila, "Mine Rule", nel libro *Encyclopaedia of Data Warehousing and Mining*, Idea Group, 1-59140-557-2. 2005.
- B.4. G. Bordogna, M. Pagani, G. Psaila, "Spatial SQL with Customizable Soft Selection Conditions", nel libro *Flexible Databases Supporting Imprecision and Uncertainty*, Springer, ISBN 978-3-540-33288-6. 2006.
- B.5. R. Meo, G. Psaila, "An XML Database for Knowledge Discovery: Definition and Implementation", nel libro *Intelligent Databases: Technologies and Applications*, Idea Group, ISBN 1-59904-120-0. 2006.

- B.6. G. Bordogna, G. Psaila, "Customizable Flexible Querying in Classical Relational Databases", nel libro Handbook of Research on Fuzzy Information Processing in databases, Information Science Reference, ISBN 978-1-59904-854-3. 2008.
- B.7. G. Bordogna, A. Campi, G. Psaila, S. Ronchi. "A flexible language for exploring clustered search results". In: A. Laurent, , . Lesot (eds), Scalable Fuzzy Algorithms for Data Management and Analysis: Methods and Design. IGI Global, 2009, ISBN/ISSN: 9781605668581. 2009
- B.8. G. Bordogna, A: Campi, G. Psaila, S. Ronchi, "Web Search Results Discovery by Multigranular Graphs", nel liro Ramon Brena, Adolfo Guzman eds , "Quantitative Semantics and Soft Computing Methods for the Web: Perspectives and Applications", IGI Global, ISBN13: 9781609608811. 2011.
- B.9. G. Bordogna, G. Psai, G. Psaila, "A Unifying Model of Flexible Queries with Distinct Semantics of Search Term Weights". Nel libro O. Pivert, S. Zadrozny, "Flexible Approaches in Data, Information and Knowledge Management". Springer Verlag. Studies in Computational Intelligence 497, p. 223-239. ISBN 978-3-319-00953-7. 2014.
- B.10.A. Ghisalberti, G. Psaila, M. Toccu, "Mobilità e social computing: tecnologie smart e mapping per lo studio del turismo s-Low a Bergamo". Bel libro "Centrality of territories: verso la rigenerazione di Bergamo in un network europeo", p.183-195. - ISBN:978-88-6642-210-5 vol. 5. 2015.
- B.11.F. Burini, D.E. Ciriello, A. Ghisalberti, G. Psaila, "The Urban Nexus Project: When Urban Mobility Analysis, VGI and Data Science Meet Together". nel libro Mobile "Information Systems Leveraging Volunteered Geographic Information for Earth Observation. Earth Systems Data and Models", p.111-130. ISBN:978-3-319-70877-5. 2018.

### **Conference Proceedings**

- C.1. S. Crespi-Reghizzi, G. Psaila, "Federal Grammars and Modular Compilers", in Proceedings of the poster session of Compiler Construction Conference, Edinburgh, April 1994.
- C.2. S. Ceri, P. Fraternali, S. Paraboschi, G. Psaila, "The Algres testbed of CHIMERA : An Object-Oriented Database System", in Proceedings of ACM SIGMOD, San Jose (CA), USA, May 1995.
- C.3. S. Comai, P. Fraternali, G. Psaila, L. Tanca, "A Customizable Model for the Semantics of Active Databases", in Proceedings of Sixth IFIP TC-2 Working Conference on Data Semantics (DS-6), Atlanta (Georgia), USA, May, 30 1995.
- C.4. S. Comai, P. Fraternali, G. Psaila, L. Tanca, "A Uniform Model to Express the Behaviour of Rules with Different Semantics", in Proceedings of ARTDB-95 Workshop on Active and Real Time Databases, Skovde, Sweden, June, 9 1995.

- C.5. R. Agrawal, G. Psaila, "Active Data Mining", in Proceedings of KDD-95 First International Conference on Knowledge Discovery in Databases, Montreal (Canada), August 1995.
- C.6. R. Agrawal, G. Psaila, E. Wimmers, M. Zait, "Querying Shapes of Histories", in Proceedings of VLDB-95 Intl. Conference on Very Large DataBases, Zurich (CH), September 1995.
- C.7. R. Meo, G. Psaila, S. Ceri, "Composite Events in Chimera", in Proceedings of EDBT 96 Int. Conference on Extending DataBase Technology, Avignon (France), March 25-29 1996.
- C.8. S. Crespi-Reghizzi, G. Psaila, M. Pagani, "The Compactness of Extended BNF Semantic Definitions", in Proceedings of the poster session of CC96 Int. Conference on Compiler Construction, Linkoping University, Sweden, April 1996.
- C.9. S. Comai, P. Fraternali, G. Psaila, L. Tanca, "Le Basi di Dati Attive: un Modello di Analisi per le Proprietà di Terminazione e Determinismo", negli Atti del SEBD-96 Sistemi Evoluti di Basi di Dati, San Miniato (Pisa), July 1996.
- C.10. R. Meo, G. Psaila, S. Ceri, "A New SQL-like Operator for Mining Association Rules", in Proceedings of VLDB-96 International Conference on Very Large Databases, Bombay (INDIA), September 1996.
- C.11. E. Baralis, S. Ceri, R. Meo, G. Psaila, M. Richeldi, P. Risimini, "AMORE: An Integrated Environment for Data Mining", negli atti del SEBD-97 Sistemi Evoluti per Basi di Dati, Verona, 25-27 June 1997.
- C.12. S. Ceri, P. Fraternali, S. Paraboschi, G. Psaila, "Sharing Software Tools on the Web: the IDEA Web Lab", negli atti del DOOD-97 International Conference on Deductive and Object-Oriented Databases, Montreaux, Svizzera, December 1997.
- C.13. R. Meo, G. Psaila, S. Ceri, "A Tightly-Coupled Architecture for Data Mining", in Proceedings of ICDE-98 International Conference on Data Engineering, Orlando (USA), February 1998.
- C.14. E. Baralis, R. Meo, G. Psaila, "AMORE: Data Mining on a Relational Database", negli atti della Demo Session di EDBT-98 Extending Database Technology, Valencia, Spain, March 1998.
- C.15. A. Alleva, S. Crespi-Reghizzi, G. Psaila, "Reduction of Parser Size by Grammar Modularization", in Proceedings of the poster session of CC98 International Conference on Compiler Construction, April 1998.
- C.16. E. Baralis, G. Psaila, "Incremental Refinement of Association Rule Mining", nei Proceedings del SEBD-98 Sistemi Evoluti per Basi di Dati, Ancona, June 1998.
- C.17. G. Psaila, S. Crespi-Reghizzi, "Adding Semantics to XML", negli atti di WAGA-99 International Workshop on Attribute Grammars, Amsterdam, 26 March 1999.

- C.18. E. Baralis, R. Meo, G. Psaila, "Data Mining in Data Warehouses", nei Proceedings del SEBD-99 Sistemi Evoluti per Basi di Dati , Como, June 1999.
- C.19. P.L. Lanzi, G. Psaila, "A Relational Database Mining Framework with Classification and Discretization", nei Proceedings del SEBD-99 Sistemi Evoluti per Basi di Dati , Como, June 1999.
- C.20. G. Psaila, "An Exploration Method to Discover Meta-Patterns for Association Rule Mining", nei Proceedings del SEBD-99 Sistemi Evoluti per Basi di Dati , Como, June 1999.
- C.21. E. Baralis, G. Psaila, "Incremental Refinement of Mining Queries", in Proceedings of DaWaK 99 First International Conference on Knowledge Discovery and Data Mining, Firenze, 30 August 1999.
- C.22. G. Psaila, "Discovery of Association Rule Meta-patterns", in Proceedings of DaWaK 99 First International Conference on Knowledge Discovery and Data Mining, Firenze, 30 August 1999.
- C.23. G. Psaila, "A Data Model for Collections of XML Documents", in Proceedings of IEEE KDEX99 IEEE International Workshop on Knowledge and Data Engineering Exchange Workshop, Chicago. 8 November 1999.
- C.24. G. Psaila, "ERX: A Conceptual Model for XML Documents", in Proceedings of ACM SAC'2000 Symposium on Applied Computing. Como, March 2000.
- C.25. G. Psaila, P.L. Lanzi "Hierarchy-based Mining of Association Rules in Data Warehouses", negli atti di ACM SAC'2000 Symposium on Applied Computing, Como, Mrch 2000.
- C.26. G. Psaila, P.L. Lanzi "Hierarchy Exploitation in Data Warehouses for Mining Association Rules", negli atti del SEBD-2000 Sistemi Evoluti per Basi di Dati , L'Aquila, June 2000.
- C.27. E. Ciapessoni, S. Crespi-Reghizzi, F. Maestri, A. Ornstein, G. Psaila, "Partitioning of Hierarchical Automation Systems", negli atti di EuroMicro Conference 2001, Delft (Olanda), June 2001.
- C.28. G. Psaila, D. Brugali, "The ERX Data Management System", negli atti di IC-2001 International Conference on Internet Computing, Las Vegas (USA), June 2001.
- C.29. G. Psaila, "ERX-QL: Querying an Entity-Relationship DB to Obtain XML Documents", negli atti di DBPL-01 International Workshop on Database Programming Languages, Monteporzio Catone (Roma), 8-10 September 2001.
- C.30. G. Psaila, "ERX: an Experience in Integrating Entity Relationship Models, Relational Databases and XML Technologies", negli atti del XDM-2002 EDBT International Workshop on XML-based Data Management, Prague (Czech Republic), 24 Marcho 2002.
- C.31. G. Psaila, D. Brugali, "Integrating Relational Databases and XML Technology: the ERX Tool", negli atti del JaDa-2003 International Workshop

- on Java and Databases, Messekongresszentrum Erfurt, Germany, 7-10 October, 2002.
- C.32. R. Meo, G. Psaila, "Toward XML-Based Knowledge Discovery Systems", negli atti di ICDM-02 IEEE International Conference on Data Mining,, Maebashi City, Japan, 9-12 December, 2002.
- C.33. G. Psaila, "Aladin: an Information System for Process-centered Cooperative Editing", negli atti del CEW-2003 ECSCW International Workshop on Cooperative Editing, Helsinki (Finlandia). 15 September 2003.
- C.34. G. Psaila, D. Brugali, "Decentralized Knowledge Discovery for Scientific Collaboration", negli atti del CSSC-2003 ECSCW International Workshop on Computer Supported Scientific Collaboration, Helsinki (Finlandia), 14 September 2003.
- C.35. G. Psaila, "From XML DTDs to Entity Relationship Schemas", negli atti del XSDM-2003 ER International Workshop on XML Schema Data Management, Chicago (USA). 13 October 2003.
- C.36. D. Brugali, G. Psaila, F. Guidi Polanco, "XML for E-government: a New Approach to E-law Categorization and Retrieval", negli atti di IADIS WWW Internet 2003 Conference, Algarve (Portogallo), 5-8 November 2003.
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- C.38. G. Psaila, D. Brugali, "Automatic Translation Of HTML Laws and Regulations Into an XML Repository", negli atti di CITSA-2004 International Conference on Cybernetics and Information Technologies, Systems and Applications, Orlando, Florida, USA, July 2004.
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- C.40. G. Bordogna, G. Psaila, "Extending SQL with Customizable Soft Selection Conditions", negli atti di SAC-05 ACM International Symposium on Applied Computing, Santa Fe - NM (USA). March 2005.
- C.41. G. Psaila, "An HTTP-based Distributed Architecture Supporting Dynamic Cooperation Processes" negli atti di WBC-05 5<sup>th</sup> International Workshop on Web Based Collaboration in conjunction with DEXA-05 International Conference on Database and Expert Systems Applications, Copenhagen, Denmark. August 2005
- C.42. D. Brugali, G. Psaila, "Automatic Negotiation of Internet Services", negli atti di ITA05 International Conference on Internet Technologies and Applications, Wrexham, North Wales, UK, September 2005.
- C.43. R. Meo, G. Psaila, "An XML-Based Database for Knowledge Discovery", negli atti di PARMA-06 2<sup>nd</sup> International Workshop on Pattern

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- C.44. G. Psaila, “Loosely Coupling Java Algorithms and XML Parsers: a Performance-Oriented Study” negli atti di XSDM-06 3rd International Workshop on XML Schema and Data Management, in conjunction with ICDE-06 The 22nd IEEE International Conference on Data Engineering, Atlanta, Georgia, USA. 4 April 2006.
- C.45. G. Bordogna, M. Pagani, G. Psaila, “Database Model and Algebra for Complex and Heterogeneous Spatial Entities”, negli atti di SDH-06 International Conference on Spatial Data Handling,, Vienna, Austria. 13 July 2006.
- C.46. G. Psaila, “On the Problem of Coupling Java Algorithms and XML Parsers (Invited Paper)” negli atti di XANTEC-06 1st International Workshop on XML Data Management Tools & Techniques, in conjunction with DEXA-06 International Conference on Database and Expert Systems Applications, Cracovia, Polonia, 7 September 2006.
- C.47. G. Bordogna, G. Pasi, G. Psaila, “Flexible Location –based Spatial Queries“, negli atti di IFSA 2007 World Congress on Theory and Application of Fuzzy Sets and Soft Computing, Cancun, Messico, 18-21 June 2007.
- C.48. A. Guadalupi, G. Psaila, “Tight Integration of Booking Systems based on XML Message Exchange”, negli atti di ICBIIT 2008 International Conference on Business Innovation and Information Technology, Dublino, Irlanda, 24 January 2008.
- C.49. G. Bordogna, M. Pagani, G. Pasi, G. Psaila, “Evaluating Uncertain Location-Based Spatial Queries”, negli atti di ACM SAC 2008 International Symposium on Applied Computing, Fortaleza, Brasile, 16-20 March 2008.
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