

Curriculum Vitae et Studiorum

Filippo Furfaro

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Contact Info

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Personal Data

First name Filippo
Last name Furfaro
Date of birth June, 22nd, 1976
Place of birth Reggio Calabria (RC), Italy
Citizenship Italian

1 Position

Since 2011, he has been associate professor in computer science at University of Calabria. From 2002 to 2011, he was assistant professor in computer science at University of Calabria.

From 2017, he has been deputy coordinator of the Board of the BaSC and MaSC courses in Computer Engineering of University of Calabria.

2 Education

- Ph.D. in Computer Science and Systems Engineering at University of Calabria - Italy, 2002. Title of the thesis: *Languages and techniques for querying semistructured data and multidimensional data*, advisors Prof. Sergio Greco, Prof. Domenico Saccà.
- *Laurea* degree *cum laude* (B.Sc. and M.Sc.) in Computer Science Engineering at University of Calabria - Italy, February, 2000. Title of the dissertation: *Languages and techniques for querying semistructured data and multidimensional data*, advisor Prof. Domenico Saccà.

3 Research interests

His research interests are in the following fields.

Argumentation:

- Uncertainty in Abstract Argumentation (Probabilistic and Incomplete Abstract Argumentation Frameworks)
- Bipolarity in Abstract Argumentation
- Trust of agents in Abstract Argumentation

Process Mining:

- Analysis of logs with low-level events
- Security-oriented log analysis

Management of tracking data:

- Compression and warehousing of tracking data
- Extraction of trajectories from tracking data

Databases:

- Uncertainty in Databases (probabilistic databases)
- Inconsistency management (consistent query answers under different forms of inconsistency)
- Semistructured data (Minimization of queries, Relaxation of queries)
- Histograms (construction techniques and query estimation techniques)
- Deductive databases and logic programming

4 Research projects

- He was chief of the DIMES research unit in the project *SMART - Social Media AnalyzeR Toolkit*, funded by Regione Calabria (Years of the project: 2019-2020; Funds: POR Calabria 2014-2020. ASSE I - PROMOZIONE DELLA RICERCA E DELL'INNOVAZIONE. Obiettivo specifico 1.2 "Rafforzamento del sistema innovativo regionale e nazionale" Azione 1.2.2 "Supporto alla realizzazione di progetti complessi di attività di ricerca e sviluppo su poche aree tematiche di rilievo e all'applicazione di soluzioni tecnologiche funzionali alla realizzazione delle strategie di S3" - CUP: J28C17000150006)

- He was chief of the DIMES research unit in the project *E.E.M.C.B. - European Energy Market Crystal Ball* (Years of the project: 2019-2020; Funds: POR Calabria 2014-2020. ASSE I - PROMOZIONE DELLA RICERCA E DELL'INNOVAZIONE. Obiettivo specifico 1.2 "Rafforzamento del sistema innovativo regionale e nazionale" Azione 1.2.2 "Supporto alla realizzazione di progetti complessi di attività di ricerca e sviluppo su poche aree tematiche di rilievo e all'applicazione di soluzioni tecnologiche funzionali alla realizzazione delle strategie di S3")
- He was chief of the DIMES research unit in the project *D-All: sfruttare la potenza dei big data per effettuare analisi predittiva in applicazioni innovative di cross-market* (Years of the project: 2018-2020; Funds: Italian PON - Finanziamento a valere sull'Asse 1 - "Azione 1.1.3 PON Imprese e competitività 2014 - 2020 FESR" - CUP: B48I17000820008)

5 Teaching

He gave (or he is giving) the following classes at University of Calabria.

- *Computer science fundamentals*, for B.Sc. degree students in Engineering;
- *Databases*, for B.Sc. degree students in Computer science engineering;
- *Algorithms and data structures*, for B.Sc. degree students in Computer science engineering;
- *Theory of formal languages*, for M.Sc. degree students in Computer science engineering;
- *Databases and knowledge bases*, for M.Sc. degree students in Computer science engineering;
- *Business Intelligence*, for M.Sc. degree students in Computer science engineering.

6 Research works

Articles in International Research Journals

- 1 F. Furfaro, S. Greco, S. Ganguly, C. Zaniolo,
Pushing Extrema Aggregates to Optimize Logic Queries,
Information Systems (IS), ed. *Elsevier*, Vol. 27(5), pp. 321-343, 2002.
- 2 S. Flesca, F. Furfaro, S. Greco,
Graph Grammars for querying graph-like data,
Electronic Notes in Theoretical Computer Science (ENTCS), Vol. 50(3), 2001.
- 3 S. Flesca, F. Furfaro, S. Greco,
A Query Language for XML based on Graph Grammars,
World Wide Web Journal (WWWJ), ed. *Kluwer Academic Publishers*, Vol. 5 (2), pp. 125-158,
2002.

- 4** F. Furfaro, G. Greco, S. Greco
Minimal founded semantics for Disjunctive Logic Programs and Deductive Databases,
Theory and Practice of Logic Programming (TPLP), ed. *Cambridge University Press*, Vol. 4
(1-2), pp. 75-93, 2004.
- 5** S. Flesca, F. Furfaro, S. Greco
A graph grammars based framework for querying graph-like data,
Data & Knowledge Engineering (DKE), ed. *Elsevier*, Vol. 59 (3), pp. 652-680, 2006.
- 6** S. Flesca, F. Furfaro, S. Greco,
Weighted Path Queries on Semistructured Databases,
Information and Computation (IC), ed. *Elsevier*, Vol. 204 (5), pp. 679-696, 2006.
- 7** F. Furfaro, S. Greco, C. Molinaro,
A three-valued semantics for querying and repairing inconsistent databases,
Annals of Mathematics and Artificial Intelligence (AMAI), ed. *Springer*, Vol. 51 (2-4), pp.
167-193, 2007.
- 8** F. Furfaro, G. M. Mazzeo, D. Saccà, C. Sirangelo,
Compressed Hierarchical Binary Histograms for Summarizing Multi-Dimensional Data,
Knowledge and Information Systems (KAIS), ed. *Springer*, Vol. 15 (3), pp. 335-380, 2008.
- 9** S. Flesca, F. Furfaro, E. Masciari,
On the minimization of XPath queries,
Journal of the ACM (JACM), ed. *ACM* Vol. 55 (1), Article No. 2, 2008.
- 10** A. Cuzzocrea, F. Furfaro, D. Saccà,
Enabling OLAP in Mobile Environments via Intelligent Data Cube Compression Techniques,
Journal of Intelligent Information Systems (JIIS), ed. *Springer*, Vol. 33 (2), pp. 94-143, 2009.
- 11** S. Flesca, F. Furfaro, F. Parisi,
Querying and Repairing Inconsistent Numerical Databases,
ACM Transactions on Database Systems (TODS), ed. *ACM*, Vol. 35 (2), pp. 14:1-14:50, 2010.
- 12** F. Furfaro, G. M. Mazzeo, A. Pugliese,
Managing Multi-Dimensional Historical Aggregate Data in Unstructured P2P Networks,
IEEE Transactions on knowledge and data engineering (TKDE), Vol. 22 (9), pp. 1313-1330,
2010.
- 13** B. Fazzinga, S. Flesca, F. Furfaro,
XPath query relaxation through rewriting rules,
IEEE Transactions on knowledge and data engineering (TKDE), Vol. 23 (10), pp. 1583-1600,
2011.

- 14** F. Buccafurri, F. Furfaro, G. M. Mazzeo, D. Saccà,
A Quad-Tree Based Multiresolution Approach for Two-dimensional Summary Data,
Information Systems (IS), ed. *Elsevier*, Vol. 36(7), pp. 1082-1103, 2011.
- 15** F. Buccafurri, F. Furfaro, D. Saccà,
A probabilistic framework for estimating the accuracy of aggregate range queries evaluated over histograms,
Information Sciences, ed. *Elsevier*, Vol. 188, pp. 121–150, 2012.
- 16** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari,
RFID data compression for supporting aggregate queries,
Transactions on Database Systems (TODS), ed. *ACM*, Vol. 38(2), pp.11:1-11:44, 2013.
- 17** S. Flesca, F. Furfaro, F. Parisi,
Consistency checking and querying in probabilistic databases under integrity constraints,
Journal of Computer and System Sciences (JCSS), ed. *Elsevier*, Vol. 80(7), pp. 1448–1489, 2014.
- 18** B. Fazzinga, S. Flesca, F. Furfaro, F. Parisi,
Exploiting Integrity Constraints for Cleaning Trajectories of RFID-Monitored Objects,
Transactions on Database Systems (TODS), ed. *ACM*, Vol. 41(4), pp. 24:1–24:52, 2016.
- 19** Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Francesco Parisi,
*Using integrity constraints to guide the interpretation of RFID-trajectory data*¹,
ACM SIGSPATIAL Special, Volume 9(2), pp. 28-35, 2017.
- 20** B. Fazzinga, S. Flesca, F. Furfaro, L. Pontieri,
Document Online and offline classification of traces of event logs on the basis of security risks,
Journal of Intelligent Information Systems (JIIS), ed. *Springer*, Vol. 50(1), pp. 195–230, 2018.
- 21** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari, L. Pontieri
Efficiently interpreting traces of low level events in business process logs,
Information Systems (IS), ed. *Elsevier*, Vol. 73, pp. 1–24, 2018.
- 22** B. Fazzinga, S. Flesca, F. Furfaro
Credulous and skeptical acceptability in probabilistic abstract argumentation: complexity results,
Intelligenza Artificiale (IA), Vol. 12(2), pp. 181–191, 2018.
- 23** B. Fazzinga, S. Flesca, F. Furfaro
Complexity of fundamental problems in probabilistic abstract argumentation: Beyond independence,
Artificial Intelligence (AI), ed. *Elsevier*, Vol. 268, pp. 1–29, 2019.

¹Pubblicazione su invito

24 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Francesco Parisi,
Interpreting RFID tracking data for simultaneously moving objects: An offline sampling-based approach,
Expert Systems With Applications (ESWA), ed. *Elsevier*, Volume 152, 113368, 2020.

25 Bettina Fazzinga, Francesco Folino, Filippo Furfaro, Luigi Pontieri,
An ensemble-based approach to the security-oriented classification of low-level log traces,
Expert Systems With Applications (ESWA), ed. *Elsevier*, Vol. 153, 113386, 2020.

Monographies

26 S. Flesca, F. Furfaro, F. Parisi,
Repairing and Querying Databases under Aggregate Constraints,
collana *Springer Briefs in Computer Science*, 2011.

Papers in proceedings of international conferences

27 F. Buccafurri, F. Furfaro, D. Saccà,
Estimating range queries using aggregate data with integrity constraints: a probabilistic approach,
International Conference on Database Theory (ICDT), Londra, UK, January 2001.

28 S. Flesca, F. Furfaro, E. Masciari,
Monitoring Web Information changes,
International Conference on Information Technology: Coding and Computing (ITCC), Las Vegas (NV), USA, April 2001.

29 S. Flesca, F. Furfaro, E. Masciari,
CDWeb: a system for change detection on the WWW,
International Conference on Database and Expert Systems Applications (DEXA), Monaco, Germany, September 2001.

30 S. Flesca, F. Furfaro, S. Greco,
Weighted Path Queries on Web Data,
Workshop on the Web and Databases (WebDB), Santa Barbara (CA), USA, May 2001.

31 S. Flesca, F. Furfaro, S. Greco,
Graph Grammars for querying graph-like data,
Workshop on Graph Transformation and Visual Modelling Techniques (GT-VMT), Creta, Greece, July 2001.

32 F. Furfaro,
Querying semi-structured data with graph-grammars,
International Conference on Information Technology: Coding and Computing (ITCC), Las Vegas (NV), USA, April 2002.

- 33** S. Flesca, F. Furfaro, S. Greco,
A Query Language for XML based on Graph Grammars,
International Conference on Data Engineering (ICDE), San Josè (CA), USA, February 2002.
- 34** F. Buccafurri, F. Furfaro, G. Lax,
A histogram based technique for compressing data,
Workshop on Document Compression and Synthesis in Adaptive Hypermedia Systems (DoCS),
Malaga, Spagna, May 2002.
- 35** S. Flesca, F. Furfaro, S. Greco,
XGL: a Graphical Query Language for XML,
International Database Engineering and Applications Symposium (IDEAS), Edmonton, Canada,
July 2002.
- 36** F. Buccafurri, F. Furfaro, G. Lax, D. Saccà,
Binary-Tree Histograms with Tree Indices,
International Conference on Database and Expert Systems Applications (DEXA), Aix en Provence,
Francia, September 2002.
- 37** A. Cuzzocrea, F. Furfaro, D. Saccà,
Hand-OLAP: a System for Delivering OLAP Services on Handheld Devices,
International Symposium on Autonomous Decentralized Systems (ISADS), Pisa, Italia, April
2003.
- 38** F. Buccafurri, F. Furfaro, D. Saccà, C. Sirangelo,
A Quad-Tree Based Multiresolution Approach for Two-dimensional Summary Data,
International Conference on Scientific and Statistical Database Management (SSDBM), Cam-
bridge (MA), USA, July 2003.
- 39** S. Flesca, F. Furfaro, S. Greco, E. Zumpano,
Repairs and Consistent Answers for XML Data with Functional Dependencies,
XML Symposium (XSym), Berlino, Germania, September 2003.
- 40** S. Flesca, F. Furfaro, E. Masciari,
On the minimization of XPath queries,
International Conference on Very Large Databases (VLDB), Berlino, Germania, September 2003.
- 41** A. Cuzzocrea, F. Furfaro, G. M. Mazzeo, D. Saccà,
A Distributed Framework for Approximate Aggregate Query Answering on Sensor Network Data,
International Workshop on Grid Computing and its Application to Data Analysis (GADA),
Larnaca, Cipro, October 2004.
- 42** F. Furfaro, G. M. Mazzeo, D. Saccà, C. Sirangelo,
Hierarchical Binary Histograms for Summarizing Multi-Dimensional Data,
Symposium on Applied Computing (SAC), Santa Fe (NM), USA, March 2005.

- 43** A. Cuzzocrea, F. Furfaro, S. Greco, E. Masciari, G. M. Mazzeo, D. Saccà,
A Distributed System for Answering Range Queries on Sensor Network Data,
Workshop on Sensor Networks and Systems for Pervasive Computing (PerSeNS), Kauai Island
(HI), USA, March 2005.
- 44** F. Furfaro, G. M. Mazzeo, C. Sirangelo,
Clustering based histograms for multi-dimensional data,
International Conference on Data Warehousing and Knowledge Discovery (DaWaK), Copen-
hagen, Denmark, August 2005.
- 45** S. Flesca, F. Furfaro, F. Parisi,
Consistent query answers on numerical databases under aggregate constraints,
International Symposium on Database Programming Languages (DBPL), Trondheim, Norway,
August 2005.
- 46** S. Flesca, F. Furfaro, S. Greco, E. Zumpano,
Querying and Repairing Inconsistent XML Data,
International Conference on Web Information Systems Engineering (WISE), New York, USA,
November 2005.
- 47** B. Fazzinga, S. Flesca, F. Furfaro, F. Parisi,
DART: A Data Acquisition and Repairing Tool,
International Workshop on Inconsistency and Incompleteness in Databases (IIDB), Munich,
Germany, March 2006.
- 48** F. Furfaro, G. M. Mazzeo, C. Sirangelo,
*Exploiting cluster analysis for constructing multi-dimensional histograms on both static and dy-
namic data*,
International Conference on Extending Database Technology (EDBT), Monaco, Germania, March
2006.
- 49** S. Flesca, F. Furfaro, F. Parisi,
Preferred Database Repairs Under Aggregate Constraints,
International Conference on Scalable Uncertainty Management (SUM), Washington, DC, USA,
October 2007.
- 50** F. Furfaro, G. M. Mazzeo, D. Saccà,
A Probabilistic Framework for Building Privacy-preserving Synopses of Multi-dimensional Data,
International Conference on Statistical and Scientific Database Management (SSDBM), Hong
Kong, July 2008.
- 51** A. Cuzzocrea, F. Furfaro, G. M. Mazzeo,
A probabilistic approach for computing approximate iceberg cubes,
International Conference on Database and Expert Systems Applications (DEXA), Torino, Italia,
September 2008.

- 52** S. Flesca, F. Furfaro, A. Pugliese,
A framework for the partial evaluation of SPARQL queries,
International Conference on Scalable Uncertainty Management (SUM), Napoli, Italia, October 2008.
- 53** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari,
Efficient and effective RFID data warehousing,
International Database Engineering and Applications Symposium (IDEAS), Cetraro (CS), Italia, September 2009.
- 54** B. Fazzinga, S. Flesca, F. Furfaro,
On the expressiveness of generalization rules for XPath query relaxation,
International Database Engineering and Applications Symposium (IDEAS), Montreal, QC, Canada, August 2010.
- 55** S. Flesca, F. Furfaro, F. Parisi,
Consistent Answers to Boolean Aggregate Queries under Aggregate Constraints,
International Conference on Database and Expert Systems Applications (DEXA), Bilbao, Spagna, September 2010.
- 56** S. Flesca, F. Furfaro, F. Parisi,
Range-Consistent Answers of Aggregate Queries under Aggregate Constraints,
International Conference on Scalable Uncertainty Management (SUM), Toulouse, Francia, September 2010.
- 57** B. Fazzinga, S. Flesca, F. Furfaro, F. Parisi,
Cleaning trajectory data of RFID-monitored objects through conditioning under integrity constraints,
International Conference on Extending Database Technologies (EDBT), Atene, Grecia, March 2014.
- 58** B. Fazzinga, S. Flesca, F. Furfaro, F. Parisi,
Offline cleaning of RFID trajectory data, International Conference on Statistical and Scientific Database Management (SSDBM), Aalborg, Danimarca, 2014.
- 59** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari, L. Pontieri,
A compression-based framework for the efficient analysis of business process logs,
International Conference on Statistical and Scientific Database Management (SSDBM), La Jolla (CA), USA, 2015.
- 60** B. Fazzinga, S. Flesca, F. Furfaro, L. Pontieri,
Classifying Traces of Event Logs on the Basis of Security Risks,
International Workshop on New Frontiers in Mining Complex Patterns (NFMCP), Porto, Portogallo, September 2015.

- 61** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari, L. Pontieri,
A Probabilistic Unified Framework for Event Abstraction and Process Detection from Log Data,
International Conference on Cooperative Information Systems (CoopIS), Rodi, Grecia, October
2015.
- 62** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari, L. Pontieri, C. Pulice,
*A Framework Supporting the Analysis of Process Logs Stored in Either Relational or NoSQL
DBMSs*,
International Symposium on Foundations of Intelligent Systems (ISMIS), Lione, Francia, Octo-
ber 2015.
- 63** B. Fazzinga, F. Furfaro, E. Masciari, G. M. Mazzeo,
Privacy or Security? Take A Look And Then Decide,
International Conference on Statistical and Scientific Database Management (SSDBM), Bu-
dapest, Ungheria, July 2016.
- 64** B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari, L. Pontieri, C. Pulice,
How, Who and When: Enhancing Business Process Warehouses By Graph Based Queries,
International Database Engineering and Applications Symposium (IDEAS), Montreal, Canada,
July 2016.
- 65** Bettina Fazzinga, Sergio Flesca, Filippo Furfaro,
*Computing extensions' probabilities in probabilistic abstract argumentation: beyond indepen-
dence*,
European Conference on Artificial Intelligence (ECAI), The Hague, Netherlands, August, IOS
Press 2016.
- 66** Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari,
WFinger: a joint-decoder for very short Tardos fingerprinting codes,
International Database Engineering & Applications Symposium, IDEAS, Bristol, United King-
dom, July 12-14, 2017. ACM 2017.
- 67** Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari,
Effective Document Fingerprinting,
31st British International Conference on Databases, (BICOD), London, UK, July 10-12, 2017,
Proceedings. Lecture Notes in Computer Science 10365, Springer 2017.
- 68** Bettina Fazzinga, Sergio Flesca, Filippo Furfaro,
Credulous Acceptability in Probabilistic Abstract Argumentation: Complexity Results,
1st Workshop on Advances In Argumentation In Artificial Intelligence co-located with XVI
International Conference of the Italian Association for Artificial Intelligence, *AI@AI * IA* 2017,
pp. 43-57, Bari, Italy, November 16-17, 2017. CEUR Workshop Proceedings, CEUR-WS.org
2017.

69 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Francesco Scala,
Computing Extensions' Probabilities over Probabilistic Bipolar Abstract Argumentation Frameworks,

2nd Workshop on Advances In Argumentation In Artificial Intelligence, co-located with XVII International Conference of the Italian Association for Artificial Intelligence, *AI@AI*IA* 2018, pp. 57-70, 20-23 November 2018, Trento, Italy. CEUR Workshop Proceedings 2296, CEUR-WS.org 2019.

70 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Luigi Pontieri,
Process Discovery from Low-Level Event Logs,
Advanced Information Systems Engineering - 30th International Conference (CAiSE), 2018, pp. 257-273, Tallinn, Estonia, June 11-15, 2018, Proceedings. Lecture Notes in Computer Science 10816, Springer 2018.

71 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro,
Probabilistic bipolar abstract argumentation frameworks: complexity results,
Twenty-Seventh International Joint Conference on Artificial Intelligence (IJCAI), 2018, pp. 1803-1809, July 13-19, 2018, Stockholm, Sweden.

72 Bettina Fazzinga, Francesco Folino, Filippo Furfaro, Luigi Pontieri,
Combining Model- and Example-Driven Classification to Detect Security Breaches in Activity-Unaware Logs,
On the Move to Meaningful Internet Systems. OTM 2018 Conferences - Confederated International Conferences (CoopIS, C&TC, and ODBASE), 2018, pp. 173-190, Valletta, Malta, October 22-26, 2018, Proceedings, Part II. Lecture Notes in Computer Science 11230, Springer 2018.

73 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari,
A Novel Accusation Model for Document Fingerprinting,
26th Italian Symposium on Advanced Database Systems, Castellaneta Marina (Taranto), Italy, June 24-27, 2018. CEUR Workshop Proceedings 2161, CEUR-WS.org 2018.

74 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari, Luigi Pontieri
On the Interpretation of Traces of Low Level Events in Business Process Logs,
26th Italian Symposium on Advanced Database Systems, Castellaneta Marina (Taranto), Italy, June 24-27, 2018. CEUR Workshop Proceedings 2161, CEUR-WS.org 2018.

75 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
*Complexity of Fundamental Problems in Probabilistic Abstract Argumentation: Beyond Independence (Extended Abstract)*²,
Twenty-Eighth International Joint Conference on Artificial Intelligence (IJCAI), 2019, pp. 6362-6366, Macao, China, August 10-16, 2019.

²Invited manuscript

76 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro, Elio Masciari
On the effectiveness of MH-based joint-decoders for very short Tardos fingerprinting codes,
6th International Conference on Control, Decision and Information Technologies (CoDIT), 2019,
pp. 928-933, Paris, France, April 23-26, 2019. IEEE 2019.

77 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
VisPrAF: A system for visually specifying and reasoning over probabilistic abstract argumentation frameworks,
3rd Workshop on Advances In Argumentation In Artificial Intelligence co-located with the 18th
International Conference of the Italian Association for Artificial Intelligence (AI*IA 2019), pp.
85-99, Rende, Italy, November 19-22, 2019. CEUR Workshop Proceedings 2528, CEUR-WS.org
2019.

78 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
Computational Strategies for Trust-aware Abstract Argumentation Frameworks,
4th Workshop on Advances In Argumentation In Artificial Intelligence 2020 co-located with the
19th International Conference of the Italian Association for Artificial Intelligence (AIxIA 2020),
pp. 31-44, Online, November 25-26, 2020. CEUR Workshop Proceedings 2777, CEUR-WS.org
2020.

79 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
Revisiting the Notion of Extension over Incomplete Abstract Argumentation Frameworks,
Twenty-Ninth International Joint Conference on Artificial Intelligence (IJCAI), 2020, pp. 1712-
1718.

80 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
Embedding the Trust Degrees of Agents in Abstract Argumentation,
24th European Conference on Artificial Intelligence (ECAI), pp. 737-744, Santiago de Com-
postela, Spain, August 29 - September 8, 2020. Frontiers in Artificial Intelligence and Applica-
tions 325, IOS Press 2020.

81 Bettina Fazzinga, Sergio Flesca, Filippo Furfaro
Reasoning over Argument-Incomplete AAFs in the Presence of Correlations,
30th International Joint Conference on Artificial Intelligence (IJCAI), 2021 (to appear).

Papers in proceedings of national conferences

82 F. Buccafurri, F. Furfaro, D. Rosaci, D. Saccà,
Estimating range queries using aggregate data,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), L'Aquila, Italia, June 2000.

83 A. Cuzzocrea, F. Furfaro, D. Saccà,
Providing OLAP services to mobile devices,
Congresso dell'Associazione Italiana per l'Informatica ed il Calcolo Automatico (AICA), Bari,
Italia, September 2002.

84 A. Cuzzocrea, F. Furfaro, E. Masciari, C. Sirangelo,
Approximate Query Answering on Sensor Network Data Streams,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), Cetraro (CS), Italia, June 2003.

85 F. Furfaro, G. M. Mazzeo, D. Saccà, C. Sirangelo,
A New Histogram-based Technique for Compressing Multi-Dimensional Data,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), S. Margherita di Pula (CA),
Italia, June 2004.

86 S. Flesca, F. Furfaro, E. Masciari, F. Parisi,
A Framework for minimizing XPath queries,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), S. Margherita di Pula (CA),
Italia, June 2004.

87 A. Cuzzocrea, F. Furfaro, E. Masciari, G. M. Mazzeo, D. Saccà,
Efficiently Representing and Querying Sensor Network Readings on Data Grids,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), Portonovo (AN), Italia, June 2006.

88 A. Cuzzocrea, F. Furfaro, G. M. Mazzeo,
Efficiently Computing Iceberg Cubes: A Probabilistic Approach,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), Mondello (PA), Italia, June 2008.

89 B. Fazzinga, S. Flesca, F. Furfaro, E. Masciari,
Efficient and Effective RFID Data Warehousing,
Convegno Nazionale su Sistemi Evoluti per Basi di Dati (SEBD), Rimini, Italia, June 2010.

Book chapters

90 A. Cuzzocrea, F. Furfaro, E. Masciari, D. Saccà, C. Sirangelo,
Approximate Query Answering on Sensor Network Data Streams,
su “GeoSensor Networks”, A. Stefanidis and S. Nittel Editors, CRC Press, pp. 53-72, 2004.

91 S. Flesca, F. Furfaro, S. Greco, E. Zumpano,
Repairing Inconsistent XML Data with Functional Dependencies,
su “Encyclopedia of Database Technologies and Applications 2005”, pp. 542-547, 2005.

92 A. Cuzzocrea, F. Furfaro, E. Masciari, D. Saccà,
Improving OLAP Analysis of Multidimensional Data Streams via Efficient Compression Techniques,
su “Intelligent Techniques for Warehousing and Mining Sensor Network Data”, IGI Global,
pp. 17-49, 2009.