Curriculum Vitae et Studiorum

Andrea Pugliese

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Contents

1 Education and Positions

1.1 Education

- February, 2005: Ph.D. in Computer Engineering at University of Calabria, Italy.

- July, 2000: *Laurea* degree (B.Sc.+M.Sc.) *summa cum laude* in Computer Engineering at University of Calabria, Italy.

1.2 Current Positions

- December, 2014 to date: Tenured associate professor of computer engineering at University of Calabria, Italy.

- April, 2017: Italian *habilitation* as professor of computer engineering.

- December, 2019 to date: Member of the scientific board of the *ICT center* at University of Calabria, Italy.

- April, 2005 to date: Member of the scientific committee of the Ph.D. program in "Information and Communication Technologies" at University of Calabria, Italy.

1.3 Past Positions

- 2006–2012 (several appointments): Visiting professor at the University of Maryland Institute for Advanced Computer Studies, USA.

- January, 2005 – December, 2014: Tenured assistant professor of computer engineering at University of Calabria, Italy.

2 Research Activity

2.1 Main Topics

- Computer security.

  - Protection of intellectual property [34].
  - Malevolent user identification in online rating platforms [1].
  - Activity detection in temporal databases and data streams [3, 7, 9, 10, 15, 31, 36, 37, 41, 43, 57, 84].
  - Adversarial defense of enterprise systems [5, 6, 8].

- Management of semistructured data.

  - Indexing and querying graph data [2, 4, 11, 13, 28, 30, 38, 39, 40, 42, 44, 46, 50, 55].
  - Flexible querying of XML data [14, 17, 47, 56, 85].
  - Indexing and querying compressed XML data [18, 20, 51, 52, 53, 59, 61, 65, 80, 87].
  - Evaluation of XML structural similarity [21, 22, 60, 67, 88].

- Others.

  - Inconsistency management in relational databases [12, 45, 48, 54].
  - Management of compressed multidimensional data in P2P networks [16].
  - Architectures and strategies for Grid scheduling [19, 23, 58, 64].

2.2 Roles in Research Labs

- October, 2018 to date: Head of the *Laboratory for Computer Science and Robotics for the Environment* at University of Calabria, Italy.

2.3 Program committee chair

- *International Workshop on Data Management in the Social Semantic Web*, 2013.

- *International Workshop on Data Management in the Social Semantic Web*, 2012.

- *International Conference on Scalable Uncertainty Management*, 2009.

2.4 Program committee member

- *International Joint Conference on Artificial Intelligence*, 2021.

- *AAAI Conference on Artificial Intelligence*, 2021.

- *Convegno Nazionale sui Sistemi Evoluti per Basi di Dati*, 2021.

- *International Conference on Scalable Uncertainty Management*, 2020.

- *International Joint Conference on Artificial Intelligence*, 2020.

- *IEEE International Conference on Intelligence and Security Informatics*, 2020.

- *Pacific Rim International Conference on Artificial Intelligence*, 2019.

- *International Conference on Scalable Uncertainty Management*, 2019.

- *IEEE International Conference on Intelligence and Security Informatics*, 2019.

- *IEEE International Conference on Machine Learning and Applications*, 2019.

- *International Conference on Scalable Uncertainty Management*, 2018.

- *IEEE International Conference on Intelligence and Security Informatics*, 2018.

- *International Conference on Scalable Uncertainty Management*, 2017.

- *International Workshop on Querying Graph Structured Data*, in conjuction with *International Conference on Extending Database Technology*, 2017.

- *IEEE International Conference on Intelligence and Security Informatics*, 2017.

- *International Florida Artificial Intelligence Research Society Conference*, 2017.

- *International Symposium on Foundations of Information and Knowledge Systems*, 2016.

- *International Workshop on Querying Graph Structured Data*, in conjuction with *International Conference on Extending Database Technology*, 2016.

- *IEEE International Conference on Intelligence and Security Informatics*, 2016.

- *Convegno Nazionale sui Sistemi Evoluti per Basi di Dati*, 2016.

- *International Workshop on Querying Graph Structured Data*, in conjuction with *International Conference on Extending Database Technology*, 2015.

- *International Conference on Scalable Uncertainty Management*, 2015.

- *IEEE International Conference on Intelligence and Security Informatics*, 2015.

- *Convegno Nazionale sui Sistemi Evoluti per Basi di Dati*, 2015.

- *International Symposium on Foundations of Information and Knowledge Systems*, 2014.

- *International Workshop on Querying Graph Structured Data*, in conjuction with *International Conference on Extending Database Technology*, 2014.

- *International Conference on Scalable Uncertainty Management*, 2014.

- *International Conference on Web Reasoning and Rule Systems*, 2014.

- *IEEE Joint Intelligence and Security Informatics Conference*, 2014.

- *IEEE Region 10 Humanitarian Technology Conference*, 2014.

- *International Workshop on Querying Graph Structured Data*, in conjuction with *International Conference on Extending Database Technology*, 2013.

- *International Conference on Scalable Uncertainty Management*, 2013.

- *Convegno Nazionale sui Sistemi Evoluti per Basi di Dati*, 2013.

- *International Conference on Network-Based Information Systems*, 2013.

- *International Conference on Computational Science and Engineering*, 2013.

- *International Symposium on Foundations of Information and Knowledge Systems*, 2012.

- *International Conference on Scalable Uncertainty Management*, 2012.

- *International Conference on Web Reasoning and Rule Systems*, 2012.

- *International Conference on Computational Science and Engineering*, 2012.

- *International Conference on Scalable Uncertainty Management*, 2011.

- *International Conference on Web Reasoning and Rule Systems*, 2011.

- *International Conference on Scalable Uncertainty Management*, 2010.

- *International Conference on Web Reasoning and Rule Systems*, 2010.

- *International Semantic Web Conference*, 2009.

- *International Conference on Scalable Uncertainty Management*, 2008.

- *International Conference on Scalable Uncertainty Management*, 2007.

2.5   Other Committee Roles

- Tutorial chair for the *International Conference on Advances in Social Networks Analysis and Mining*, 2016.

- Publicity chair for the *International Conference on Scalable Uncertainty Management*, 2007.

- Member of the organizing committee for the *European Conference on Logics in Artificial Intelligence*, 2002.

2.6   Reviewer for Journals

ACM Transactions on Intelligent Systems and Technologies; *ACM Transactions on Information and System Security*; *Annals of Mathematics and Artificial Intelligence*; *Data and Knowledge Engineering*; *Future Generation Computer Systems. The International Journal of Grid Computing: Theory, Methods and Applications*; *IBM Journal of Research and Development*; *IEEE Transactions on Information Forensics and Security*; *IEEE Transactions on Knowledge and Data Engineering*; *IEEE Transactions on Services Computing*; *Information Systems – Databases: Their Creation, Management and Utilization*; *Journal of Computer and System*

Sciences; *Journal of Grid Computing*; *The VLDB Journal – The International Journal on Very Large Data Bases*; *World Wide Web – Internet and Web Information Systems*.

2.7   Reviewer for Conferences/Workshops

International Conference on Data Engineering (ICDE); International Conference on Database Theory (ICDT); International Symposium on Database Programming Languages (DBPL); ACM Symposium on Principles of Database Systems (PODS); International Conference on Very Large Databases (VLDB); ACM Conference on Information and Knowledge Management (CIKM); International World Wide Web Conference (WWW); International Conference on Principles of Knowledge Representation and Reasoning (KR); International Symposium on Foundations of Intelligent Systems (ISMIS); International Symposium on Foundations of Information and Knowledge Systems (FoIKS); International Conference on Web Information Systems Engineering (WISE); International Conference on Database and Expert Systems Applications (DEXA); International Conference on Parallel Processing and Applied Mathematics (PPAM).

3 Ph.D Advisor

- Marco Oliverio (Ph. D. in *Information and Communication Technologies* at University of Calabria, Italy, June, 2019).

- Michele Ianni (Ph. D. in *Information and Communication Technologies* at University of Calabria, Italy, June, 2018).

- Antonio Piccolo (Ph. D. in *Information and Communication Technologies* at University of Calabria, Italy, June, 2018).

- Antonino Rullo (Ph. D. in *Information and Communication Technologies* at University of Calabria, Italy, February, 2015).

4 Publications

4.1 International Journals

1 R. Liu, R. Liu, A. Pugliese, V.S. Subrahmanian.
"STARS: Defending against sockpuppet-based targeted attacks on reviewing systems".
ACM Transactions on Intelligent Systems and Technology (TIST), vol. 11, n. 5, pp. 56:1-56:25.
ACM, New York, USA, 2020.

2 N. Park, A. Pugliese, E. Serra, V.S. Subrahmanian.
"Top-k user-specified preferred answers in massive graph databases".
Data and Knowledge Engineering (DKE), vol. 127, art. 101798. Elsevier, Olanda, 2020.

3 A. Guzzo, M. Ianni, A. Pugliese, D. Saccà.
"Modeling and efficiently detecting security-critical sequences of actions".
Future Generation Computer Systems (FGCS), vol. 113, pp. 196-206. Elsevier, Olanda, 2020.

4 F. Parisi, N. Park, A. Pugliese, V.S. Subrahmanian.
"Top-k user-defined vertex scoring queries in edge-labeled graph databases".
ACM Transactions on the Web (TWEB), vol. 12, n. 4, pp. 21:1-21:35. ACM, New York, USA, 2018.

5 T. Chakraborty, S. Jajodia, N. Park, A. Pugliese, E. Serra, V.S. Subrahmanian.
"Hybrid adversarial defense: Merging honeypots and traditional security methods".
Journal of Computer Security (JCS), vol. 26, n. 5, pp. 615-645. IOS Press, Amsterdam, Netherlands, 2018.

6 S. Jajodia, N. Park, F. Pierazzi, A. Pugliese, E. Serra, G. Simari, V.S. Subrahmanian.
"A probabilistic logic of cyber deception".
IEEE Transactions on Information Forensics and Security (TIFS), vol. 12, n. 11, pp. 2532-2544. IEEE Educational Activities Department, Piscataway, USA, 2017.

7 A. Guzzo, A. Pugliese, A. Rullo, D. Saccà, A. Piccolo.
"Malevolent activity detection with hypergraph-based models".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 29, n. 5, pp. 1115-1128. IEEE Educational Activities Department, Piscataway, USA, 2017.

8 E. Serra, S. Jajodia, A. Pugliese, A. Rullo, V.S. Subrahmanian.
"Pareto-optimal adversarial defense of enterprise systems".
ACM Transactions on Information and System Security (TISSEC), vol. 17, n. 3, pp. 11:1-11:39. ACM, New York, USA, 2015.

9 C. Molinaro, V. Moscato, A. Picariello, A. Pugliese, A. Rullo, V.S. Subrahmanian.
"PADUA: Parallel architecture to detect unexplained activities".
ACM Transactions on Internet Technology (TOIT), vol. 14, n. 1, pp. 3:1-3:28. ACM, New York, USA, 2014.

10 A. Pugliese, V. S. Subrahmanian, C. Thomas, C. Molinaro.
"PASS: A parallel activity-search system".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 26, n. 8, pp. 1989-2001.
IEEE Educational Activities Department, Piscataway, USA, 2014.

11 A. Pugliese, M. Bröcheler, V.S. Subrahmanian, M. Ovelgönne.
"Efficient multiview maintenance under insertion in huge social networks".
ACM Transactions on the Web (TWEB), vol. 8, n. 2, pp. 10:1-10:31. ACM, New York, USA,
2014.

12 M. V. Martinez, F. Parisi, A. Pugliese, G. Simari, V. S. Subrahmanian.
"Policy-based inconsistency management in relational databases".
International Journal of Approximate Reasoning (IJAR), vol. 55, n. 2, pp. 501-528. Elsevier,
Netherlands, 2014.

13 C. Kang, A. Pugliese, J. Grant, V.S. Subrahmanian.
"STUN: Querying spatio-temporal uncertain (social) networks".
Social Network Analysis and Mining (SNAM), vol. 4, n. 1. Springer Netherlands, Netherlands,
2014.

14 B. Fazzinga, S. Flesca, A. Pugliese.
"Top-k approximate answers to XPath queries with negation".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 26, n. 10, pp. 2561-2573.
IEEE Educational Activities Department, Piscataway, USA, 2014.

15 M. Albanese, A. Pugliese, V.S. Subrahmanian.
"Fast activity detection: indexing for temporal stochastic automaton based activity models".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 25, n. 2, pp. 360-373.
IEEE Educational Activities Department, Piscataway, USA, 2013.

16 F. Furfaro, G. M. Mazzeo, A. Pugliese.
"Managing multi-dimensional historical aggregate data in unstructured P2P systems".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 22, n. 9, pp. 1313-1330.
IEEE Educational Activities Department, Piscataway, USA, 2010.

17 B. Fazzinga, S. Flesca, A. Pugliese.
"Retrieving XML data from heterogeneous sources through vague querying".
ACM Transactions on Internet Technology (TOIT), vol. 9, n. 2, pp. 7:1-7:35. ACM, New York,
USA, 2009.

18 A. Arion, A. Bonifati, I. Manolescu, A. Pugliese.
"Path summaries and path partitioning in modern XML databases".
World Wide Web Journal: Internet and Web Information Systems (WWWJ), vol. 11, n. 1,
pp. 117-151. Kluwer Academic Publishers, Hingham, 2008.

19 A. Pugliese, D. Talia, R. Yahyapour.
"Modeling and supporting Grid scheduling".
Journal of Grid Computing, vol. 6, n. 2, pp. 195-213. Springer Netherlands, Netherlands, 2008.

20 A. Arion, A. Bonifati, I. Manolescu, A. Pugliese.
"XQueC: A query-conscious compressed XML database".
ACM Transactions on Internet Technology (TOIT), vol. 7, n. 2. ACM, New York, USA, 2007.

21 S. Flesca, G. Manco, E. Masciari, L. Pontieri, A. Pugliese.
"Exploiting structural similarity for effective Web information extraction".
Data and Knowledge Engineering (DKE), vol. 60, n. 1, pp. 222-234. Elsevier, Netherlands, 2007.

22 S. Flesca, G. Manco, E. Masciari, L. Pontieri, A. Pugliese.
"Fast detection of XML structural similarity".
IEEE Transactions on Knowledge and Data Engineering (TKDE), vol. 17, n. 2, pp. 160-175.
IEEE Educational Activities Department, Piscataway, USA, 2005.

23 M. Cannataro, A. Congiusta, A. Pugliese, D. Talia, P. Trunfio.
"Distributed data mining on Grids: services, tools, and applications".
IEEE Transactions on Systems, Man, and Cybernetics: Part B (TSMC-B), vol. 34, n. 6,
pp. 2451-2465. IEEE Press, Piscataway, USA, dicembre 2004.

24 A. Congiusta, A. Pugliese, D. Talia, P. Trunfio.
"Designing Grid services for distributed knowledge discovery".
Web Intelligence and Agent Systems (WIAS), vol. 1, n. 2, pp. 91-104. IOS Press, Amsterdam,
Netherlands, 2003.

25 M. Cannataro, A. Guzzo, A. Pugliese.
"Knowledge management and XML: derivation of synthetic views over semistructured data".
ACM Applied Computing Review (ACR), vol. 10, n. 1, pp. 33-36. ACM, New York, USA, 2002.

4.2   Volumes

26 L. Godo, A. Pugliese.
Scalable Uncertainty Management.
Proceedings of the *SUM 2009* conference, Washington DC, USA. ISBN 978-3-642-04387-1,
Springer, Germany, 2009.

27 M. Cannataro, A. Pugliese.
Document Compression and Synthesis in Adaptive Hypermedia Systems.
Proceedings of the *DOCS* workshop in conjuction with *International Conference on Adaptive
Hypermedia and Adaptive Web Based Systems.* ISBN 699-8194-3, Malaga, Spain, 2002.

4.3   Book Chapters

28 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"Scalable subgraph matching in huge networks".
In: R. Alhajj, J. Rokne (Eds.), *Encyclopedia of Social Network Analysis and Mining, Second
Edition.* ISBN 978-1-4939-7130-5, Springer, Germany, 2018.

29 M. Calautti, L. Caroprese, B. Fazzinga, S. Flesca, F. Furfaro, S. Greco, C. Molinaro, F. Parisi, A. Pugliese, D. Saccà, I. Trubitsyna, E. Zumpano.
"Dealing with inconsistency in databases: An overview".
In: S. Flesca, S. Greco, E. Masciari, D. Saccà (Eds.), *A Comprehensive Guide Through the Italian Database Research Over the Last 25 Years*, pp. 143-167. ISBN 978-3-319-61892-0, Springer, Germany, 2018.

30 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"Scalable subgraph matching in huge networks".
In: R. Alhajj, J. Rokne (Eds.), *Encyclopedia of Social Network Analysis and Mining*. ISBN 978-1-4614-6169-2, Springer, Germany, 2014.

31 M. Albanese, P. Turaga, R. Chellappa, A. Pugliese, V. S. Subrahmanian.
"Semantic video content analysis".
In: D. Schonfeld, C. Shan, D. Tao, L. Wang (Eds.), *Video Search and Mining*, pp. 147-176. ISBN 978-3-642-12899-8, Springer, Germany, 2010.

32 M. Cannataro, A. Congiusta, C. Mastroianni, A. Pugliese, D. Talia, P. Trunfio.
"Grid-based data mining and knowledge discovery".
In: N. Zhong, J. Liu (Eds.), *Intelligent Technologies for Information Analysis*, pp. 19-45. ISBN 3-540-40677-8, Springer, Germany, 2004.

33 M. Cannataro, A. Pugliese.
"A survey of architectures for adaptive hypermedia".
In: M. Levene, A. Poulovassilis (Eds.), *Web Dynamics. Adapting to Change in Content, Size, Topology and Use*, pp. 357-386. ISBN 3-540-40676-X, Springer, Germany, 2004.

4.4 International Conferences and Workshops

34 S. Kang, C. Molinaro, A. Pugliese, V. S. Subrahmanian.
"Randomized generation of adversary-aware fake knowledge graphs to combat intellectual property theft".
AAAI Conference on Artificial Intelligence (AAAI), 2021.

35 A. Pugliese, A. Rullo, A. Piccolo.
"The AC-Index: Fast online detection of correlated alerts".
International Workshop on Security and Trust Management (STM), in conjuction with *European Symposium on Research in Computer Security* (ESORICS), Vienna, Austria, 2015.

36 L. Aniello, A. Bondavalli, A. Ceccarelli, C. Ciccotelli, M. Cinque, F. Frattini, A. Guzzo, A. Pecchia, A. Pugliese, L. Querzoni, S. Russo.
"Big data in critical infrastructures security monitoring: challenges and opportunities".
International Workshop on Real-time Big Data Analytics for Critical Infrastructure Protection (BIG4CIP), Newcastle upon Tyne, UK, 2014.

37 A. Guzzo, A. Pugliese, A. Rullo, D. Saccà.
"Intrusion detection with hypergraph-based attack models".
International Workshop on Graph Structures for Knowledge Representation and Reasoning (GKR), in conjuction with *International Joint Conference on Artificial Intelligence* (IJCAI), Pechino, China, 2013. LNCS 8323, ISBN 978-3-319-04533-7, pp. 58-73. Springer, Germany, 2014.

38 C. Kang, A. Pugliese, J. Grant, V.S. Subrahmanian.
"STUN: Spatio-temporal uncertain (social) networks".
International Conference on Advances in Social Network Analysis and Mining (ASONAM), Istanbul, Turkey, 2012. ISBN 978-1-4673-2497-7, pp. 543-550. IEEE Computer Society, Los Alamitos, USA, 2012.

39 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"Efficient multi-view maintenance in the social semantic Web (poster)".
International World Wide Web Conference (WWW), Lione, France, 2012. ISBN 978-1-4503-1230-1, pp. 467-468. ACM Press, New York, USA, 2012.

40 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"Probabilistic subgraph matching on huge social networks".
International Conference on Advances in Social Network Analysis and Mining (ASONAM), Kaohsiung, Taiwan, 2011. ISBN 978-1-61284-758-0, pp. 271-278. IEEE Computer Society, Los Alamitos, USA, 2011.

41 M. Albanese, S. Jajodia, A. Pugliese, V.S. Subrahmanian.
"Scalable analysis of attack scenarios".
European Symposium on Research in Computer Security (ESORICS), Leuven, Belgium, 2011. LNCS 6879, ISBN 978-3-642-23821-5, pp. 416-433. Springer, Germany, 2011.

42 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"A budget-based algorithm for efficient subgraph matching on huge networks".
International Workshop on Graph Data Management: Techniques and Applications (GDM), in conjuction with *IEEE International Conference on Data Engineering* (ICDE), Hannover, Germany, 2011. ISBN 978-1-4244-9195-7 , pp. 94-99. IEEE, Los Alamitos, USA, 2011.

43 M. Albanese, S. Jajodia, A. Pugliese, V.S. Subrahmanian.
"Scalable detection of cyber attacks".
International Conference on Computer Information Systems and Industrial Management Applications (CISIM), Kolkata, India, 2011. CCIS 245, ISBN 978-3-642-27244-8, pp. 9-18. Springer, Germany, 2011.

44 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"COSI: Cloud oriented subgraph identification in massive social networks".
International Conference on Advances in Social Network Analysis and Mining (ASONAM), Odense, Denmark, 2010. ISBN 978-0-7695-4138-9, pp. 248-255, IEEE Computer Society Press, USA, 2010.

45 M. V. Martinez, F. Parisi, A. Pugliese, G. Simari, V. S. Subrahmanian.
"Efficient policy-based inconsistency management in relational knowledge bases".
International Conference on Scalable Uncertainty Management (SUM), Tolosa, France, 2010.
LNCS 6379, ISBN 978-3-642-15950-3, pp. 264-277. Springer, Germany, 2010.

46 M. Bröcheler, A. Pugliese, V.S. Subrahmanian.
"DOGMA: A disk-oriented graph matching algorithm for RDF databases".
International Semantic Web Conference (ISWC), Washington DC, USA, 2009. LNCS 5823,
ISBN 978-3-642-04929-3, pp. 97-113. Springer, Germany, 2009.

47 B. Fazzinga, S. Flesca, A. Pugliese.
"Top-k answers to fuzzy XPath queries".
International Conference on Database and Expert Systems Applications (DEXA), Linz, Austria,
2009. LNCS 5690, ISBN 978-3-642-03572-2, pp. 822-829. Springer, Germany, 2009.

48 M. V. Martinez, F. Parisi, A. Pugliese, G. Simari, V. S. Subrahmanian.
"Inconsistency management policies".
International Conference on Principles of Knowledge Representation and Reasoning (KR), Sydney, Australia, 2008. ISBN 978-1-57735-384-3, pp. 367-377. AAAI Press, 2008.

49 S. Flesca, F. Furfaro, A. Pugliese.
"A framework for the partial evaluation of SPARQL queries".
International Conference on Scalable Uncertainty Management (SUM), Naples, 2008. LNCS
5291, ISBN 978-3-540-87992-3, pp. 201-214. Springer, Germany, 2008.

50 A. Pugliese, O. Udrea, V. S. Subrahmanian.
"Scaling RDF with time".
International World Wide Web Conference (WWW), Pechino, China, 2008. ISBN 978-1-60558-085-2, pp. 605-614. ACM Press, New York, USA, 2008.

51 A. Bonifati, G. Leighton, V. Mäkinen, S. Maneth, G. Navarro, A. Pugliese.
"An in-memory XQuery/XPath engine over a compressed structured text representation".
Structure-Based Compression of Complex Massive Data. Dagstuhl Seminar Proceedings 08261.
Schloss Dagstuhl – Leibniz-Zentrum fuer Informatik, Germany, 2008.

52 A. Arion, A. Bonifati, I. Manolescu, A. Pugliese.
"Optimizing XML compression in XQueC".
Structure-Based Compression of Complex Massive Data. Dagstuhl Seminar Proceedings 08261.
Schloss Dagstuhl – Leibniz-Zentrum fuer Informatik, Germany, 2008.

53 A. Arion, A. Bonifati, I. Manolescu, A. Pugliese.
"The XQueC project: compressing and querying XML".
Structure-Based Compression of Complex Massive Data. Dagstuhl Seminar Proceedings 08261.
Schloss Dagstuhl – Leibniz-Zentrum fuer Informatik, Germany, 2008.

54 M. V. Martinez, A. Pugliese, G. Simari, V. S. Subrahmanian, H. Prade.
"How dirty is your relational database? An axiomatic approach".
European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty
(ECSQARU), Hammamet, Tunisia, 2007. LNCS 4724, ISBN 978-3-540-75255-4, pp. 103-114.
Springer, Germany, 2007.

55 O. Udrea, A. Pugliese, V. S. Subrahmanian.
"GRIN: Graph-based RDF indexing".
AAAI Conference on Artificial Intelligence (AAAI), Vancouver, Canada, 2007. ISBN 978-1-57735-323-2, pp. 1465-1470. AAAI Press, 2007.

56 B. Fazzinga, S. Flesca, A. Pugliese.
"Vague queries on peer-to-peer XML databases".
International Conference on Database and Expert Systems Applications (DEXA), Regensburg, Germany, 2007. LNCS 4653, ISBN 978-3-540-74467-2, pp. 287-297. Springer, Germany, 2007.

57 M. Albanese, A. Pugliese, V. S. Subrahmanian, O. Udrea.
"MAGIC: A multi-activity graph index for activity detection".
IEEE International Conference on Information Reuse and Integration (IEEE-IRI), Las Vegas, USA, 2007. Pp. 267-272, IEEE Systems, Man, and Cybernetics Society Press, 2007.

58 A. Pugliese, D. Talia, R. Yahyapour.
"A framework for modeling and supporting Grid scheduling".
International Research Workshop on Scheduling, Cetraro, Italy, 2007.

59 A. Arion, A. Bonifati, I. Manolescu, A. Pugliese.
"Path summaries and path partitioning in modern XML databases (poster)".
International World Wide Web Conference (WWW), Edinburgo, Scozia, 2006. ISBN 1-59593-323-9, pp. 1077-1078. ACM Press, New York, USA, 2006.

60 S. Flesca, G. Manco, E. Masciari, L. Pontieri, A. Pugliese.
"Exploiting structural similarity for effective Web information extraction".
Foundations of Semistructured Data. Dagstuhl Seminar Proceedings 05061. Schloss Dagstuhl – Leibniz-Zentrum fuer Informatik, Germany, 2005.

61 A. Arion, A. Bonifati, G. Costa, S. D'Aguanno, I. Manolescu, A. Pugliese.
"Efficient query evaluation over compressed XML data".
International Conference on Extending Database Technology (EDBT), Heraklion, Greece, 2004. LNCS 2992, ISBN 978-3-540-21200-3, pp. 200-218. Springer, Germany, 2004.

62 M. Cannataro, C. Comito, A. Congiusta, G. Folino, C. Mastroianni, A. Pugliese, G. Spezzano, D. Talia, P. Veltri.
"A general architecture for Grid-based PSE toolkits".
International Workshop on State-of-the-Art in Scientific Computing (PARA), Lyngby, Denmark, 2004. LNCS 3732, pp. 656-664, Springer, Germany, 2004.

63 A. Congiusta, C. Mastroianni, A. Pugliese, D. Talia, P. Trunfio.
"Enabling knowledge discovery services on Grids".
European Across Grids Conference (AxGrids), Nicosia, Cipro, 2004. LNCS 3165, pp. 250-259, Springer, Germany, 2004.

64 A. Pugliese, D. Talia.
"Application-oriented scheduling in the KNOWLEDGE GRID: a model and architecture".
International Conference on Computational Science and its Applications (ICCSA), Assisi, 2004. LNCS 3044, pp. 55-65, Springer, Germany, 2004.

65 A. Arion, A. Bonifati, G. Costa, S. D'Aguanno, I. Manolescu, A. Pugliese.
"XQueC: pushing queries to compressed XML data (demo)".
International Conference on Very Large Data Bases (VLDB), Berlin, Germany, 2003. ISBN 0-12-722442-4, pp. 1065-1068. Morgan Kaufmann, San Francisco, USA, 2003.

66 M. Cannataro, C. Comito, A. Congiusta, C. Mastroianni, A. Pugliese, D. Talia, P. Trunfio, P. Veltri.
"Architecture, Metadata and Ontologies in the Knowledge Grid".
IST Workshop on Metadata Management in Grid and P2P Systems: Models, Services and Architectures, Londra, UK, 2003. CEUR Workshop proceedings (95), 2003.

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