

Curriculum Vitae et Studiorum

Sergio Greco

full professor

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1 Positions

1.1 Current positions

[2000-] Full professor in Computer Engineering at the University of Calabria.

1.2 Previous positions

[2023] Member of CORE conference ranking committee, Area Artificial Intelligence.

[2020-23] Coordinator of the Laurea Degree in Computer Engineering at the University of Calabria.

[2021-22] Member of National Group for the Research Evaluation (GEV09).

[2020-21] Vice-President of the National Group in Computer Engineering (GII).

[2017-20] Member of the Executive Committee of the National Group in Computer Engineering.

[2012-18] Member of the Academic Senate of University of Calabria.

[2012-2018] Chair of the Department of Computer, Modeling, Electronics and System Engineering, University of Calabria.

[2002-2012] Chair of the Department of Electronics, Computer and System Engineering, University of Calabria.

[2012-2015] Director of the PhD school in *Information and Communication Technologies*.

[1998-2000] Associate Professor in Computer Engineering at the University of Calabria.

[1989-1998] Assistant Professor in Computer Engineering at the University of Calabria.

[1986-1989] Researcher at CRAI (Consorzio per la Ricerca e le Applicazioni di Informatica).

[1984-1986] Fellowship at CRAI.

[aug-sep 1998] Visiting scientist at the Computer Science Department of UCLA

[aug-sep 1996] Visiting scientist at the Computer Science Department of UCLA

[aug-sep 1994] Visiting scientist at the Computer Science Department of UCLA;

[aug-sep 1992] Visiting scientist at the Computer Science Department of UCLA

[1990-1991] Visiting scientist at MCC (Microelectronics and Computer Corporation), Texas.

2 Program Committee Chairmanships

- Program co-chair della *European Conference on Logics in Artificial Intelligence (JELIA)*, September 2002, Rende (Italy).
- Program co-chair dell'*International Database Engineering and Applications Symposium (IDEAS)*, September 16-18, 2009, Cetraro (Italy).
- Program co-chair dell'*International Conference on Scalable Uncertainty Management (SUM)*, October 1-3, 2008, Naples (Italy).
- Program chair *Italian Database Conference (SEBD)*, 2003, Cetraro (Italy).
- Program chair *Italian Database Conference (SEBD)*, 2011, Maratea (Italy).
- Program co-chair *Italian Database Conference (SEBD)*, 2014, Sorrento (Italy).
- General co-chair *Italian Database Conference (SEBD)*, 2017, Squillace (Italy).
- Program co-chair dell'*International Conference on Flexible Query Answering (FQAS)*, July 2-5, 2019, Amantea (Italy).
- General co-chair dell'*International Conference on Logic Programming (ICLP)*, September 18-24, 2020, Rende (Italy).

3 Editorial Boards (selected)

- *IEEE Transaction on Data and Knowledge Engineering* 2008 - 2012.

4 Conference committees (selected)

I have served as program committee member for many editions of main conferences in artificial intelligence. In particular, in the last 10 years I have served as PC member of the following conferences

- *International Joint Conference on Artificial Intelligence (IJCAI)*: 8 times;
- *AAAI Conference on Artificial Intelligence (AAAI)*: 5 times;
- *Knowledge Representation (KR)*: 5 times;

5 Alumni

5.1 Past PhD students

- Sergio Flesca, full professor, University of Calabria;
- Ester Zumpano, associate professor, University of Calabria;
- Filippo Furfaro, full professor, University of Calabria;
- Andrea Pugliese, associate professor, University of Calabria, abilitated for the position of full professor;
- Andrea Tagarelli, associate professor at the University of Calabria (Italy);
- Cristian Molinaro, associate professor at the University of Calabria (Italy);

- Francesco Parisi, associate professor at the University of Calabria (Italy);
- Irina Trubitsyna, associate professor at the University of Calabria (Italy);
- Francesco Gullo, associate professor at the University of L’Aquila (Italy);
- Giovanni Ponti, Head of Division for Development of Computer Science Systems and ICT, ENEA;
- Nicola Barbieri, Manager Core-Data-Science, Tamblr (USA);
- Francesca Spezzano, associate professor at Boise State University, Boice (Idaho);
- Chiara Pulice, postdoc at the University of Dartmouth, College Park;
- Marco Calautti, assistant professor at University of Milan, (Italy).
- Gianvincenzo Alfano, assistant professor at the University of Calabria, Rende (Italy).
- Domenico Mandaglio, assistant professor at the University of Calabria, Rende (Italy).

5.2 Current PhD students

- Lucio Lacava, third year PhD program in Information and Communication Technologies;
- Lorenzo Zangari, second year PhD program in Information and Communication Technologies;
- Tariq, Mahmood year PhD program in Information and Communication Technologies.

6 Spin-off

Co-founders of *Exeura*, *Ithea*, *OKT* and *BigTech*, four spin-off companies of the University of Calabria. Exeura s.r.l. and Ithea s.r.l. operates mainly in the area of Knowledge Management, Open Knowledge Technologies (OKT) operates mainly in the area of cybersecurity, BigTech operates mainly in the areas of Artificial Intelligence and bio-engineering.

7 Grants

- (1983) Three years fellowship financed by FORMEZ (organization of the Italian Ministry for the Civil Service),
- (1990) One year fellowship financed by the National Research Council (CNR),
- (1996) Two months senior fellowship financed by NATO,
- (2000) Two months senior fellowship financed by NATO.

8 Awards

Best paper award at the International Conference on Logic Programming for the paper “On the Semantics of Abstract Argumentation Frameworks: A Logic Programming Approach”. 2020.

Best paper award at the International Symposium, RuleML for the paper “Checking Termination of Logic Programs with Function Symbols through Linear Constraints”. 2014.

9 Projects

- (2017-2018) *NextShop: Next generation e-commerce platform based on social CRM*. Financed by European Community and Italian Ministry of Economic Development, budget:199.600 euros, principal investigator.
- (2013-2016) *CYBERSECURITY P1 - Final User Protection* (Cyber Security District). Financed by European Community and Italian Ministry of University and Research, budget:1.180.500 euros, principal investigator.
- (2013-2016) *CYBERSECURITY P3 - Safe Dematerialization* (Cyber Security District). Financed by European Community and Italian Ministry of University and Research, budget: 1.180.000 euros, principal investigator.
- (2013-2016) *BA2KNOW: Business Analytics to Know* (Service Innovation District). Financed by European Community and Italian Ministry of University and Research, budget: 310.000 euros, principal investigator.
- (2012-2015) *CARDIOTECH - Advanced technologies for the innovation and optimization of therapeutic research and training processes dedicated to clinical, interventional and rehabilitative management of patients with coronary syndromes*. Financed by European Community and Italian Ministry of University and Research, budget: 279.000 euros, principal investigator.
- (2012-2015) *Staywell: Monitoring of lifestyle in support of well-being and prevention as well as for the improvement of the interaction between citizen and health facilities and between health facilities themselves, with planned experimentation in Calabria*. Financed by European Community and Italian Ministry of University and Research, Budget: 61.912 euros, principal investigator.
- (2010-2014) *Polinice+: an ERP platform oriented to the fashion industry*. Financed by Ministry of Economic Development. Budget: 146.000 euros.
- (2012-2015) *LOG.IN: Integrated Logistics*. Financed by Ministry of Economic Development. Budget: 339.000, principal investigator.
- (2010-2012) *EASE: Entity Aware Search Engines - Querying of probabilistic data extracted from the Web*. Financed by Italian Ministry of University and Research (PRIN Programme). Budget: 30.000, principal investigator
- (2010-2011) *Eureka! An idea for Energy Management* Financed by ENEL (National company for energy management), Budget: 47.000, principal investigator
- (2007-2008) *Open source software for knowledge discoveries*, financed by SOGEI (Societ Generale d'Informatica S.p.A.), budget: 200.000 euros, principal investigator.
- (2006-2009) *Promis - Logistics Process Management and Intelligence Systems*, financed by Italian Ministry of University and Research and European Community, budget: 800.000 euros, principal investigator.
- (2007-2010) *InLoco - Information Systems for Logistics*, financed by EC and Italian Ministry of University and Research and European Community, budget: 200.000 euros, principal-investigator.
- (2006-2008) *KinF - Knowledge in Farm*, financed by Al maviva srl, budget:25,000 euros, principal investigator.
- (2005-2007) *LogiCa - Logistics systems*, financed by the government of Calabria, budget: 1,970,000 euros, principal investigator.

- (2004-2006) *Pilot - Software systems for the interoperability of logistics and transportation*, financed by the Italian Ministry of University and Research, budget: 430,000 euros, principal investigator.
- (2004-2006) *Trame - E-learning methodologies applied to SME*, financed by the Italian Ministry of Labour, budget: 52.000 euros, principal investigator.
- (2003-2004) *Reengineering of bank information systems*, financed by ICAR-CNR (Institute for High Performance Computing of CNR), budget 60.000 euros, principal investigator.
- (2001-2002) *Datawarehousing techniques for bank intelligence*, financed by ICAR-CNR, budget 80.000 euros, principal investigator.
- (2004-2006) *Mente - Management of Integrated ENTERprisE*, financed by the Italian Ministry of University and Research, budget 360.000 euros, principal-investigatior.
- (2000-2001) *Contact - Cooperative Network for Technology Transfer Actions and Training*, financed by EC (Adapt programme), budget: 340.000 euros, principal investigator.

10 Teaching

In the last 30 years I have taught courses on databases, database theory, data mining, machine learning and knowledge representation.

11 Publications

I have co-authored two books on Inconsistent and incomplete data and Datalog and logic databases, more than 80 journal papers and more than 180 conference papers. In the last 10 years I have published 8 IJCAI, 4 AAAI, 4 Artificial intelligence, 3 KR, 3 ECAI, 3 Theory and Practice of Logic Programming, 2 IEEE Intelligent Systems, 1 Expert Systems with Applications, 1 Intelligent Systems with Applications.

A complete list of my publications is next attached.

11.1 Books

1 Sergio Greco, Cristian Molinaro, Francesca Spezzano.
Incomplete Data and Data Dependencies in Relational Databases.
Morgan & Claypool Publishers, Synthesis Lectures on Data Management, 2012.

2 Sergio Greco, Cristian Molinaro.
Datalog and Logic Databases.
Morgan & Claypool Publishers, Synthesis Lectures on Data Management, 2014 (to appear).

11.2 Editorships

3 Sergio Greco, Maurizio Lenzerini, Elio Masciari, Andrea Tagarelli.
Proceedings of the 29th Italian Symposium on Advanced Database Systems (SEBD).
Pizzo Calabro (VV), Italy, September 5-9, 2021.

4 Alfredo Cuzzocrea, Sergio Greco, Henrik Legind Larsen, Domenico Sacc, Troels Andreasen, Henning Christiansen.
Proceedings of the 13th International Conference on Flexible Query Answering Systems (FQAS).
Amantea (CS), Italy, July 2-5, 2019.

- 5** Sergio Flesca, Sergio Greco, Elio Masciari, Domenico Saccà.
A Comprehensive Guide Through the Italian Database Research Over the Last 25 Years,
 Studies in Big Data, 31, Springer International Publishing, 2018.
- 6** Sergio Flesca, Sergio Greco, Elio Masciari, Domenico Saccà.
Proceedings of the twentyfifth Italian Symposium on Advanced Database Systems (SEBD).
 Squillace, Italy, June 25-29, 2017.
- 7** Sergio Greco, Antonio Picariello.
Proceedings of the Twentysecond Italian Symposium on Advanced Database Systems (SEBD).
 Cetraro (CS), Italy, June 16-18, 2014.
- 8** Sergio Greco, Thomas Lukasiewicz.
 Special Issue: Scalable Uncertainty Management.
Annals of Mathematics and Artificial Intelligence (AMAI), 64 (2-3), 2012.
- 9** Giansalvatore Mecca, Sergio Greco.
Proceedings of the Nineteenth Italian Symposium on Advanced Database Systems (SEBD).
 Maratea, Italy, June 26-29, 2011.
- 10** Bipin Desai, Domenico Saccà, Sergio Greco.
 International Database Engineering and Applications Symposium (IDEAS).
 New York, NY: ACM Press, 2009.
- 11** Sergio Greco, Thomas Lukasiewicz.
Scalable Uncertainty Management, Second International Conference (SUM).
 LNCS, Springer, Vol. 5291, 2008
- 12** Sergio Flesca, Sergio Greco, Domenico Saccà, Ester Zumpano.
Proceedings of the Eleventh Italian Symposium on Advanced Database Systems (SEBD).
 Cetraro (CS), Italy, June 24-27, 2003 Rubettino Editore 2003
- 13** Sergio Flesca, Sergio Greco, Nicola Leone, Giovanbattista Ianni.
Logics in Artificial Intelligence, European Conference (JELIA).
 Cosenza, Italy, September, 23-26, Proceedings. Springer 2002

11.3 Journals

- 14** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Gerardo I. Simari, Guillermo Ricardo Simari.
 Credulous Acceptance in High-Order Argumentation 2 Frameworks with Necessities: An Incremental Approach.
Artificial Intelligence, to appear (2024).
- 15** Gianvincenzo Alfano, Marco Calautti, Sergio Greco, Francesco Parisi, Gerardo I. Simari, Guillermo Ricardo Simari.
 Explainable acceptance in probabilistic and incomplete abstract argumentation frameworks.
Artificial Intelligence, 323:103967 (2023).
- 16** Seyedeh Khadijeh Hashemi, Seyedeh Leili Mirtaheri, Sergio Greco.
 Fraud Detection in Banking Data by Machine Learning Techniques.
IEEE Access 11: 3034-3043 (2023).

- 17** Reza Shahbazian Sergio Greco.
Generative Adversarial Networks Assist Missing Data Imputation: A Comprehensive Survey and Evaluation
IEEE Access 11: 88908–88928 (2023).
- 18** Hasan Torabi, Seyedeh Leili Mirtaheri, Sergio Greco.
Practical autoencoder based anomaly detection by using vector reconstruction error.
Cybersecurity 6(1): 1 (2023).
- 19** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Irina Trubitsyna.
On acceptance conditions in abstract argumentation frameworks.
Information Science 625: 757-779 (2023).
- 20** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Irina Trubitsyna.
An approximation algorithm for querying inconsistent knowledge bases.
Intelligent Systems with Applications 17: 200146 (2023).
- 21** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Preference-based inconsistency-tolerant query answering under existential rules.
Artificial Intelligence 312: 103772 (2022).
- 22** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Query answering over inconsistent knowledge bases: A probabilistic approach.
Theoretical Computer Science 935: 144-173 (2022).
- 23** Lucio La Cava, Sergio Greco, Andrea Tagarelli.
Information consumption and boundary spanning in Decentralized Online Social Networks: The case of Mastodon users.
Online Soc. Networks Media 30: 100220 (2022).
- 24** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Gerardo I. Simari, Guillermo Ricardo Simari.
Incremental computation for structured argumentation over dynamic DeLP knowledge bases.
Artificial Intelligence, 380: 103553 (2021).
- 25** Lucio La Cava, Sergio Greco, Andrea Tagarelli.
Understanding the growth of the Fediverse through the lens of Mastodon.
Applied Network Science 6(1): 64 (2021).
- 26** Marco Calautti, Luciano Caroprese, Sergio Greco, Cristian Molinaro, Irina Trubitsyna, Ester Zumpano.
Existential active integrity constraints.
Expert Systems with Applications, 168: 114297 (2021).
- 27** Gianvincenzo Alfano, Sergio Greco.
Incremental Skeptical Preferred Acceptance in Dynamic Argumentation Frameworks.
IEEE Intelligent Systems, 36(2): 6-12 (2021).
- 28** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi.
Incremental Computation in Dynamic Argumentation Frameworks.
IEEE Intelligent Systems, 36(6): 80-86 (2021).
- 29** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Gerardo I. Simari, Guillermo Ricardo Simari.
On the Incremental Computation of Semantics in Dynamic Argumentation.
IfCoLog Journal of Logics and their Applications, 8(6): 1749-1792 (2021).

- 30** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi, Irina Trubitsyna.
On the Semantics of Abstract Argumentation Frameworks: A Logic Programming Approach.
Theory and Practice of Logic programming (TPLP), 20(5): 703-718, 2020,
- 31** Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Approximation algorithms for querying incomplete databases.
Information Systems, 86, 28–45 (2019).
- 32** Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
An Incremental Algorithm for Computing the Grounded Extension of Dynamic Abstract Argumentation Frameworks.
Group Decision and Negotiation Volume, 28(5), 935-960 (2019).
- 33** Gianvincenzo Alfano, Sergio Greco, Francesco Parisi.
A meta-argumentation approach for the efficient computation of stable and preferred extensions in dynamic bipolar argumentation frameworks.
Intelligenza Artificiale, 12(2), 2018, 193–211, (2018).
- 34** Sergio Greco, Cristian Molinaro, Chiara Pulice.
Efficient Maintenance of Shortest Distances in Dynamic Graphs.
IEEE Trans. Knowl. Data Eng., 30(3), 2018, 474–487.
- 35** Marco Calautti, Sergio Greco, Irina Trubitsyna.
Detecting Decidable Classes of Finitely Ground Logic Programs with Function Symbols .
ACM Transactions on Computational Logic, 18(4), november 2017.
- 36** Francesco Gullo, Giovanni Ponti, Andrea Tagarelli, Sergio Greco.
An information-theoretic approach to hierarchical clustering of uncertain data.
Information Science, 402, 199-215, 2017.
- 37** Sergio Greco, Cristian Molinaro, Chiara Pulice, Ximena Quintana.
Incremental maintenance of all-pairs shortest paths in relational DBMSs.
Social Netw. Analys. Mining, 7(1), 36:1-36:18, 2017.
- 38** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Exploiting Equality Generating Dependencies in Checking Chase Termination.
Proc. of the VLDB Endowment (PVLDB), 9(5), 2016, 396-407.
- 39** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Using linear constraints for logic program termination analysis.
Theory and Practice of Logic Programming (TPLP), 16(3), 2016, 737-752.
- 40** Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Checking Chase Termination: Cyclicity Analysis and Rewriting Techniques.
IEEE Trans. Knowl. Data Eng., 27(3), 2015, 621–635.
- 41** Marco Calautti, Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Checking termination of bottom-up evaluation of logic programs with function symbols.
Theory and Practice of Logic Programming (TPLP), 15(6), 2015, 854–889.
- 42** Sergio Greco, Fabian Pijcke, Jef Wijsen.
Certain Query Answering in Partially Consistent Databases.
Proc. of the VLDB Endowment (PVLDB), 7(5), 2014, 353-364.

- 43** Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Logic programming with function symbols: Checking termination of bottom-up evaluation through program adornments.
Theory and Practice of Logic Programming (TPLP), 13(4-5), 2013, 737-752.
- 44** Sergio Greco, Cristian Molinaro.
Probabilistic query answering over inconsistent databases.
Annals of Mathematics and Artificial Intelligence (AMAI), 64(2-3), 2012, 185-207.
- 45** Sergio Greco, Francesco Gullo, Giovanni Ponti, Andrea Tagarelli.
Collaborative clustering of XML documents.
Journal of Computer and System Sciences (JCSS), 77(6), 2011, 988-1008.
- 46** Sergio Greco, Cristian Molinaro.
Consistent query answering over inconsistent databases.
KES Journal, 15(3), 2011, 119-129.
- 47** Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Stratification Criteria and Rewriting Techniques for Checking Chase Termination.
Proc. of the VLDB Endowment (PVLDB), 4(11), 2011, 1158-1168.
- 48** Cristian Molinaro, Sergio Greco.
Polynomial time queries over inconsistent databases with functional dependencies and foreign keys.
Data & Knowledge Engineering (DKE), 69(7), 2010, 709-722.
- 49** Sergio Greco, Francesca Spezzano.
Chase Termination: A Constraints Rewriting Approach.
Proc. of the VLDB Endowment (PVLDB), 3(1), 2010, 93-104.
- 50** Andrea Tagarelli, Sergio Greco.
Semantic Clustering of XML Documents.
ACM Transactions on Information Systems (TOIS), Vol. 28, No. 1, 2010
- 51** Sergio Greco, Cristian Molinaro, Irina Trubitsyna, Ester Zumpano,
NP Datalog: a Logic Language for Expressing NP Search and Optimization Problems,
Theory and Practice of Logic programming (TPLP), 10(2), 125-166, 2010
- 52** Giuseppe Tradigo, Pierangelo Veltri, Sergio Greco,
Geomedica: managing and querying clinical data distributions on geographical database systems,
ICCS, 1, 2010, 979-986.
- 53** Francesco Gullo, Giovanni Ponti, Andrea Tagarelli, Sergio Greco,
A Time Series Representation Model for Accurate and Fast Similarity Detection,
Pattern Recognition (PR), Vol. 42, No. 11, 2009, 2998-3014.
- 54** Luciano Caroprese, Sergio Greco, Ester Zumpano,
Active Integrity Constraints for Database Consistency Maintenance,
IEEE Transactions on knowledge and data engineering, 2009, 1042-1058.
- 55** Sergio Greco, Cristian Molinaro.
Towards Relational Inconsistent Databases with Functional Dependencies.
KES (2) 2008: 695-702.

- 56** Sergio Greco, Irina Trubitsyna, Ester Zumpano,
On the Semantics of Logic Programs with Preferences,
Journal of Artificial Intelligence Research (JAIR), Vol. 30, 501-523, 2007.
- 57** Filippo Furfaro, Sergio Greco, Cristian Molinaro.
A three-valued semantics for querying and repairing inconsistent databases.
Annals of Mathematics and Artificial Intelligence (AMAI), Vol. 51, No. 2-4, 2007.
- 58** Mario Cannataro, Giovanni Cuda, Marco Gaspari, Sergio Greco, Giuseppe Tradigo, Pierangelo Veltri.
The EIPeptiDi tool: enhancing peptide discovery in ICAT-based LC MS/MS experiments.
BMC BIOINFORMATICS, Vol. 8, No. 255, 1-14, 2007.
- 59** Sergio Flesca, Filippo Furfaro, Sergio Greco
Weighted path queries on semistructured databases,
Information and Computation (IC), ed. Elsevier, Vol. 204, No. 3, 679-696, 2006
- 60** Sergio Flesca, Filippo Furfaro, Sergio Greco
A Graph Grammars based Framework for Querying Graph-like Data,
Data & Knowledge Engineering (DKE), ed. Elsevier, Vol. 59, No. 3, 652-680, 2006
- 61** Sergio Flesca, Sergio Greco.
Partially Ordered Regular Languages for Graph Queries.
Journal of Computer and System Science, Vol. 70, No. 1, 2005.
- 62** Gianluigi Greco, Sergio Greco, Irina Trubitsyna, Ester Zumpano
Optimization of bound disjunctive queries with constraints,
Theory and Practice of Logic Programming (TPLP), Vol. 5 (6), 713-745, 2005.
- 63** Sergio Flesca, Sergio Greco, Andrea Tagarelli, Ester Zumpano
Mining User Preferences, Page Content and Usage to Personalize Website Navigation.
WWW Journal, Vol. 8, No. 3, 317-345, 2005.
- 64** A. Tagarelli, I. Trubitsyna, Sergio Greco.
Combining Linear Programming and Clustering Techniques for the Classification of Research Centers.
AI Communications 17(3):111-122, 2004.
- 65** G. Greco, Sergio Greco, E. Zumpano,
"Collaborative Filtering Supporting Web Site Navigation"
AI Communications 17(3): 155-166, 2004.
- 66** F. Furfaro, G. Greco, Sergio Greco.
Minimal Founded semantics for Disjunctive Logic Programs and Disjunctive Databases.
Theory and Practice of Logic Programming (TPLP), Vol. 4 (1-2), 75-93, 2004.
- 67** G. Greco, Sergio Greco, E. Zumpano
Web Communities: Models and Algorithms.
WWW Journal, Vol. 7, No. 1, 58-82, 2004.
- 68** G. Greco, Sergio Greco, E. Zumpano.
A logical Framework for Querying and Repairing Inconsistent Databases.
IEEE-Transaction on Knowledge and Data Engineering, Vol. 15, No. 6, 1389-1408, 2003.

- 69** Sergio Greco.
Binding Propagation Techniques for the Optimization of Bound Disjunctive Queries
IEEE Transaction on Knowledge and Data Engineering Vol. 16, No. 2, 368-385, 2003.
- 70** Sergio Flesca, F. Furfaro, Sergio Greco,
A Query Language for XML based on Graph Grammars.
WWW Journal, Vol. 5, No. 2, 125-158, 2002.
- 71** S. Basta, Sergio Flesca, Sergio Greco.
Functional Queries in Datalog.
New Generation Computing, Vol. 20, No. 4, 339-372, 2002.
- 72** F. Furfaro, S. Ganguly, Sergio Greco, Carlo Zaniolo.
Pushing Extrema Aggregates to Optimize Logic Queries.
Information Systems, Vol. 27, 321-343, 2002.
- 73** G. Greco, Sergio Greco, E. Zumpano.
A Probabilistic Approach for Distillation and Ranking of Web Pages.
WWW Journal, 4(3), 189-207 Kluwer, 2001.
- 74** Sergio Greco, E. Masciari, L. Pontieri.
Combining Inductive and Deductive Tools for Data Analysis.
AI Communication, Vol. 14, No. 2, 69-82, 2001.
- 75** Sergio Flesca, Filippo Furfaro, Sergio Greco.
Graph Grammars for Querying Graph-like Data.
Electr. Notes Theor. Comput. Sci. (ENTCS), 50(3), 2001.
- 76** Sergio Flesca, Sergio Greco.
Rewriting Queries Using Views.
IEEE Transaction of Knowledge and Data Engineering, Vol 13, No. 6, 2001.
- 77** Sergio Greco, Carlo Zaniolo,
Greedy Algorithms in Datalog.
Theory and Practice of Logic Programming, Vol. 1, No. 4, 391-407, July 2001.
- 78** Sergio Flesca, Sergio Greco,
Declarative Semantics for Active Rules.
Theory and Practice of Logic Programming (TPLP), Vol. 1, No. 1, 43-69, January 2001.
- 79** Sergio Greco, D. Saccà, C. Zaniolo.
Extending Stratified Datalog to Capture Complexity Classes Ranging from P to QH
Acta Informatica Vol. 37, No. 10, 699-725, 2001.
- 80** Sergio Flesca, Sergio Greco.
Declarative Extended Path Queries for Object-Relational Databases And Web Data,
Journal of Applied System Science (JASS) Special issue on “Applied Cooperative Systems”, Vol. 1, No. 3, 2000.
- 81** S. Basta, Sergio Flesca, Sergio Greco.
Optimization of bounded linear recursive queries
Networking and Information Systems Journal (NIS), Vol. 2, No. 4, 387-412, 1999.

- 82** Sergio Greco, D. Saccà, C. Zaniolo.
Grammars and Automata to Optimize Chain Logic Queries.
Int. Journal on Foundation of Computer Science, Vol. 10, No. 3, 349-372, 1999.
- 83** Sergio Greco, Domenico Saccà
Complexity and Expressive Power of Deterministic Semantics for DATALOG⁻.
Information and Computation, Vol. 153, No. 1, 81-98, 1999.
- 84** Sergio Greco
Non-determinism and weak constraints in Datalog.
New Generation Computing, Vol. 16, No. 4, 373-396, 1998.
- 85** Sergio Greco.
Dynamic Programming in Datalog with Aggregates
IEEE Transaction on Knowledge and Data Engineering, Vol. 11, No. 2, 265-283, February 1999.
- 86** Fosca Giannotti, Sergio Greco, Domenico Saccà, Carlo Zaniolo
Programming with Non-Determinism in Deductive Databases.
Annals of Mathematics and Artificial Intelligence (AMAI), Vol. 10, No. 1-2, 97-125, 1997.
- 87** Sergio Greco, Domenico Saccà.
“Possible is Certain” is Desiderable and can be Expressive.
Annals of Mathematics and Artificial Intelligence (AMAI), Vol. 10, No. 1-2, 147-168, 1997.
- 88** Sergio Greco, L. Palopoli, E. Spadafora
Querying Datalog with Arrays: Design and Implementation Issues.
Journal of System Integration, Vol 7, No. 1, 1996 (lavoro invitato).
- 89** Natraj Arni, Sergio Greco, Domenico Saccà.
Matching of Bounded Set Terms in the Logic Language LDL++.
Journal of Logic Programming (JLP), Vol 27, No. 1, 73-87, April 96.
- 90** Sergio Greco, Luigi Palopoli, Eugenio Spadafora
Extending Datalog with Arrays.
Data & Knowledge Engineering (DKE), Vol. 17, No. 1, 31-57, 1995.
- 91** Sumit Ganguly, Sergio Greco, Carlo Zaniolo.
Extrema Predicates in Deductive Databases.
Journal of Computer and System Sciences (JCSS), Vol. 51, No. 2, 244-259, 1995 (lavoro invitato).
- 92** S. Greco, Nicola Leone, Pasquale Rullo.
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