

Curriculum Vitae et Studiorum

Sergio Greco

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1 Positions

1.1 Current positions

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

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

1.2 Previous positions

[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)

- *International Conference on Data Engineering (ICDE)*, Dallas (TX), April 2019;
- *International Conference on Principles of Knowledge Representation and Reasoning (KR)*, Rhodes (Grece), September 2020;
- *International Joint Conference on Artificial Intelligence (IJCAI)*, Yokohama (Japan), July 2020;
- *International Conference on Data Engineering (ICDE)*, Macau (China), April 2019;
- *Third International Conference on Intelligent Information Technologies*, Chennai (India), 2018;
- *International Conference on Very Large Databases (VLDB)*, Rio de Janeiro (Brazil), August 2018;
- *International Conference on Very Large Databases (VLDB)*, New Delhi (India), September 2016;
- *International Conference on Very Large Databases (VLDB)*, Hangzhou (China), September 2014;
- *International Conference on Very Large Databases (ICDE)*, Chicago (IL), March 31- April 4, 2014;
- *International Conference on Very Large Databases (VLDB)*, Riva del Garda (Italy), Aug. 26-30 2013;
- *International Conference on Very Large Data Bases (VLDB)*, Istanbul (Turkey), August 27-31, 2012;
- *International Web Rule Symposium (RuleML)*, New York (USA), July 6-9, 2016;

- *Int. Conf. on Ontologies, DataBases, and Applications of Semantics (ODBASE)*, Rhodes (Greece), October 25-26, 2016;
- *Int. Conf. on Ontologies, DataBases, and Applications of Semantics (ODBASE)*, Rhodes (Greece), October 26-30, 2015;
- *ACM Conference on Information and Knowledge Management (CIKM)*, San Francisco (CA), October 27-November 1, 2013;
- *ACM Conference on Information and Knowledge Management (CIKM)*, Maui (Hawaii), October 29-November 2, 2012;
- *ACM Conference on Information and Knowledge Management (CIKM)*, Glasgow (UK), October 24-28, 2011;
- *ACM Conference on Information and Knowledge Management (CIKM)*, Toronto (Canada), October 26-30, 2010;
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2018, Regensburg (Germany);
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2017, Lyon (France);
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2016, Porto (Portugal);
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2014, Munich (Germany);
- *IInt. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2013, Prague (Czech Rep.);
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2012, Vienna (Austria);
- *Int. Conf. on Data Warehousing and Knowledge Discovery (DaWaK)*, 2011, Toulouse (France);
- *ACM Int. Workshop On Data Warehousing and OLAP (DOLAP)*, San Francisco (CA), October 2013;
- *ACM Int. Workshop On Data Warehousing and OLAP (DOLAP)*, Maui (Hawaii), October 2012;
- *ACM Int. Workshop On Data Warehousing and OLAP (DOLAP)*, Glasgow (UK), October 2011;
- *ACM Int. Workshop On Data Warehousing and OLAP (DOLAP)*, Hong Kong (China), Nov. 2009;
- *ACM Int. Workshop On Data Warehousing and OLAP (DOLAP)*, Napa Valley (CA), October 2008;
- *Int. Conf. on Scalable Uncertainty Management (SUM)*, Sept. 16-18, 2015, Quebec City (Quebec);
- *Int. Conf. on Scalable Uncertainty Management (SUM)*, September 16-18, 2013, Washington (DC);
- *Int. Conf. on Scalable Uncertainty Management (SUM)*, September 27-29, 2010, Toulouse (France);
- *9th Alberto Mendelzon Int. Workshop on Foundations of Data Management (AMW)*, May 6-8, 2015, Lima (Perù);
- *7th Alberto Mendelzon Int. Workshop on Foundations of Data Management (AMW)*, May 21-23, 2013, Puebla (Mexico);
- *Int. Conference on Logic Programming and Automated Reasoning*, Almaty, (Kazakhstan), 2003.
- *Int. Conference on Web Information Systems Engineering*, Roma (Italy), 2003.
- *Int. Conference on Very Large Data Bases (VLDB)*, Roma, 2001;
- *International Conference on Extending Database Technology (EDBT)*, Costanza (Germania), 2000;
- *Int. Conference on Database Theory (ICDT)*, Delphi (Grecia), 1997;

5 Alumni

5.1 Past PhD students

- Sergio Flesca, full professor, University of Calabria;
- Ester Zumpano, associate professor, University of Calabria;
- Filippo Furfaro, associate professor, University of Calabria;
- Andrea Pugliese, associate professor, University of Calabria, abilitated for the position of full professor;
- Andrea Tagarelli, associate professor, University of Calabria, abilitated for the position of full professor;
- Cristian Molinaro, assistant professor, University of Calabria, abilitated for the position of associate professor;
- Francesco Parisi, assistant professor, University of Calabria, abilitated for the position of associate professor;
- Irina Trubitsyna, graduate technician at University of Calabria;
- Francesco Gullo, Research Scientist at UniCredit, R&D Dept.;
- Giovanni Ponti, Research Scientist at ENEA, Napoli;
- Nicola Barbieri, Research Scientist at Yahoo Labs;
- Francesca Spezzano, assistant professor Boise State University, Boise (Idaho);
- Chiara Pulice, postdoc at the University of Dartmouth, College Park;
- Marco Calautti, postdoc at the University of Edimburgh, Edimburgh (Scotland).

5.2 Current PhD students

- Gianvincenzo Alfano, second year PhD program in Information and Communication Technologies;
- Domenico Mandaglio, first year PhD program in Information and Communication Technologies.

6 Spin-off

Co-founders of *Exeura*, *Ithea* and *OKT*, three spin-off companies of the University of Calabria (*Exeura* s.r.l., *Ithea* s.r.l. and *Open Knowledge Technologies* s.r.l.) operating in the area of Knowledge Management and Cybersecurity.

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 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 Almagora 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.

9 Teaching

9.1 Teachings at Università della Calabria

- from 2018/19-2019/20: *Data Mining* (6 CFU), laurea degree in Computer Engineering (Ingegneria Informatica);
- from 2015/16-2018/20: *Basi di Dati Evolute e Data Mining* (9 CFU), laurea degree in Computer Engineering (Ingegneria Informatica);
- from 2015/16-2019/20: *Elementi di Matematica Computazionale* (6 CFU), laurea degree “magistrale” in Computer Engineering (Ingegneria Informatica);
- from 2016/17-2019/19: *Tecniche di Programmazione* (9 CFU), Laurea degree in Management Engineering (Ingegneria Gestionale);
- from 2011/12 to 2014/15: *Progetto e Analisi di Algoritmi* (6 CFU), laurea degree “magistrale” in Computer Engineering (Ingegneria Informatica);
- from 2011/12 to 2014/15: *Basi di dati e scoperta della conoscenza* (9 CFU), laurea degree “magistrale” in Computer Engineering (Ingegneria Informatica);
- from 2011/12 to 2015/16: *Fondamenti di Informatica* (6 CFU), Laurea degree in Management Engineering (Ingegneria Gestionale);
- from 2005/06 to 2010/11, laurea degree “specialistica” in Computer Engineering (Ingegneria Informatica):
 - *Basi di Dati e Conoscenza* (6CFU)
 - *Algoritmi per Internet e Crittografia* (6CFU);
- from 1992/93 to 2004/05: *Fondamenti di Informatica I*, degree course in Computer Engineering;
- from 1994/95 to 2004/05: *Basi di Dati*, degree course in Computer Engineering;
- from 1998/99 to 2004/05: *Fondamenti di Informatica I*, degree course in Management Engineering;
 item from 2000/01 to 2004/05, degree course in Social Services Science: faculty of Political Sciences:

- *Fondamenti di Informatica 1* (Rende),
- *Fondamenti di Informatica 1* (Crotone),
- *Fondamenti di Informatica 2* (Crotone);
- from 1994/95 to 1997/98: *Basi di Dati*, diploma course in computer and automatic engineering;
- 1993-94: *Sistemi Operativi*, diploma course in computer and automatic engineering;
- 1992/93: *Linguaggi e Metodi di Programmazione*, Diploma school in Computer Science;

9.2 Teachings in other universities

- from 2015/16-2019/20 *Analisi Matematica I*, Course degree in Computer and Biomedical Engineering, (Ingegneria Informatica e Biomedica) Università di Catanzaro.
- from 2012/13 to 2015/16 *Sistemi di Elaborazione delle Informazioni*, course degree in Computer and Biomedical Engineering, (Ingegneria Informatica e Biomedica) Università di Catanzaro.
- from 2012/13 to 2014-15 and from 2016/17 to 20117/18 *Elementi di Informatica*, course degree in Business Economics (Economia Aziendale), Università di Catanzaro.
- from 2016/17 to 20117/18, *Abilità Informatiche di Informatica*, course degree in Sociology (Sociologia), Università di Catanzaro.
- from 2009/10 to 2011/12, di *Basi di Dati*, course degree in Computer and Biomedical Engineering, (Ingegneria Informatica e Biomedica) Università di Catanzaro.
- 2013, *Managing and Querying Inconsistent Databases, Escuela de Invierno, Universidad de la Ciencias Informaticas (UCI)*, Avana (Cuba).
- from 1996/97 to 1999/2000, *Sistemi di Elaborazione*, course degree in Electronic Engineering (Ingegneria Elettronica), Università di Reggio Calabria.

10 Publications

10.1 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).

10.2 Editorships

3 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.

4 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.

5 Sergio Greco, Antonio Picariello.

Proceedings of the Twentysecond Italian Symposium on Advanced Database Systems (SEBD).
Cetraro (CS), Italy, June 16-18, 2014.

6 Sergio Greco, Thomas Lukasiewicz.

Special Issue: Scalable Uncertainty Management.

Annals of Mathematics and Artificial Intelligence (AMAI), 64 (2-3), 2012.

7 Giansalvatore Mecca, Sergio Greco.

Proceedings of the Nineteenth Italian Symposium on Advanced Database Systems (SEBD).

Maratea, Italy, June 26-29, 2011.

8 Bipin Desai, Domenico Saccà, Sergio Greco.

International Database Engineering and Applications Symposium (IDEAS).

New York, NY: ACM Press, 2009.

9 Sergio Greco, Thomas Lukasiewicz.

Scalable Uncertainty Management, Second International Conference (SUM).

LNCS, Springer, Vol. 5291, 2008

10 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

11 Sergio Flesca, Sergio Greco, Nicola Leone, Giovanbattista Ianni.

Logics in Artificial Intelligence, European Conference (JELIA).

Cosenza, Italy, September, 23-26, Proceedings. Springer 2002

10.3 Journals

12 Sergio Greco, Cristian Molinaro, Irina Trubitsyna.

Approximation algorithms for querying incomplete databases.

Information Systems, 86, 2019 28–45.

13 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), 2019, 935-960.

14 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.

15 Sergio Greco, Cristian Molinaro, Chiara Pulice.

Efficient Maintenance of Shortest Distances in Dynamic Graphs.

IEEE Trans. Knowl. Data Eng., 30(3), 2018, 474–487.

16 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.

- 17** Francesco Gullo, Giovanni Ponti, Andrea Tagarelli, Sergio Greco.
An information-theoretic approach to hierarchical clustering of uncertain data.
Information Science, 402, 199-215, 2017.
- 18** 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.
- 19** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Exploiting Equality Generating Dependencies in Checking Chase Termination.
PVLDB, 9(5), 2016, 396-407.
- 20** Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Using linear constraints for logic program termination analysis.
TPLP, 16(3), 2016, 737-752.
- 21** Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Checking Chase Termination: Cyclicity Analysis and Rewriting Techniques.
IEEE Trans. Knowl. Data Eng., 27(3), 2015, 621–635.
- 22** Marco Calautti, Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Checking termination of bottom-up evaluation of logic programs with function symbols.
TPLP, 15(6), 2015, 854–889.
- 23** Sergio Greco, Fabian Pijcke, Jef Wijsen.
Certain Query Answering in Partially Consistent Databases.
PVLDB, 7(5), 2014, 353-364.
- 24** Sergio Greco, Cristian Molinaro, Irina Trubitsyna.
Logic programming with function symbols: Checking termination of bottom-up evaluation through program adornments.
TPLP, 13(4-5), 2013, 737-752.
- 25** Sergio Greco, Cristian Molinaro.
Probabilistic query answering over inconsistent databases.
Annals of Mathematics and Artificial Intelligence (AMAI), 64(2-3), 2012, 185-207.
- 26** 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.
- 27** Sergio Greco, Cristian Molinaro.
Consistent query answering over inconsistent databases.
KES Journal, 15(3), 2011, 119-129.
- 28** Sergio Greco, Francesca Spezzano, Irina Trubitsyna.
Stratification Criteria and Rewriting Techniques for Checking Chase Termination.
PVLDB, 4(11), 2011, 1158-1168.
- 29** 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.

- 30** Sergio Greco, Francesca Spezzano.
Chase Termination: A Constraints Rewriting Approach.
PVLDB, 3(1), 2010, 93-104.
- 31** Andrea Tagarelli, Sergio Greco.
Semantic Clustering of XML Documents.
ACM Transactions on Information Systems (TOIS), Vol. 28, No. 1, 2010
- 32** 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
- 33** Giuseppe Tradigo, Pierangelo Veltri, Sergio Greco,
Geomedica: managing and querying clinical data distributions on geographical database systems,
ICCS, 1, 2010, 979-986.
- 34** 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.
- 35** Luciano Caroprese, Sergio Greco, Ester Zumpano,
Active Integrity Constraints for Database Consistency Maintenance,
IEEE Transactions on knowledge and data engineering, 2009, 1042-1058.
- 36** Sergio Greco, Cristian Molinaro.
Towards Relational Inconsistent Databases with Functional Dependencies.
KES (2) 2008: 695-702.
- 37** 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.
- 38** 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.
- 39** Mario Cannataro, Giovanni Cuda, Marco Gaspari, Sergio Greco, Giuseppe Tradigo, Pierangelo Veltri.
The EIPeptide tool: enhancing peptide discovery in ICAT-based LC MS/MS experiments.
BMC BIOINFORMATICS, Vol. 8, No. 255, 1-14, 2007.
- 40** 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
- 41** 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
- 42** Sergio Flesca, Sergio Greco.
Partially Ordered Regular Languages for Graph Queries.
Journal of Computer and System Science, Vol. 70, No. 1, 2005.

- 43** 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.
- 44** 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.
- 45** 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.
- 46** G. Greco, Sergio Greco, E. Zumpano,
“Collaborative Filtering Supporting Web Site Navigation”
AI Communications 17(3): 155-166, 2004.
- 47** F. Furfaro, G. Greco, Sergio Greco.
Minimal Founded semantics for Disjunctive Logic Programs and Disjunctive Databases.
Theory and Practice of Logic Programming, Vol. 4 (1-2), 75-93, 2004.
- 48** G. Greco, Sergio Greco, E. Zumpano
Web Communities: Models and Algorithms.
WWW Journal, Vol. 7, No. 1, 58-82, 2004.
- 49** 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.
- 50** 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.
- 51** Sergio Flesca, F. Furfaro, Sergio Greco,
A Query Language for XML based on Graph Grammars.
WWW Journal, Vol. 5, No. 2, 125-158, 2002.
- 52** S. Basta, Sergio Flesca, Sergio Greco.
Functional Queries in Datalog.
New Generation Computing, Vol. 20, No. 4, 339-372, 2002.
- 53** F. Furfaro, S. Ganguly, Sergio Greco, Carlo Zaniolo.
Pushing Extrema Aggregates to Optimize Logic Queries.
Information Systems, Vol. 27, 321-343, 2002.
- 54** G. Greco, Sergio Greco, E. Zumpano.
A Probabilistic Approach for Distillation and Ranking of Web Pages.
WWW Journal, 4(3), 189-207 Kluwer, 2001.
- 55** Sergio Greco, E. Masciari, L. Pontieri.
Combining Inductive and Deductive Tools for Data Analysis.
AI Communication, Vol. 14, No. 2, 69-82, 2001.

- 56** Sergio Flesca, Filippo Furfaro, Sergio Greco.
Graph Grammars for Querying Graph-like Data.
Electr. Notes Theor. Comput. Sci. (ENTCS), 50(3), 2001.
- 57** Sergio Flesca, Sergio Greco.
Rewriting Queries Using Views.
IEEE Transaction of Knowledge and Data Engineering, Vol 13, No. 6, 2001.
- 58** Sergio Greco, Carlo Zaniolo,
Greedy Algorithms in Datalog.
Theory and Practice of Logic Programming, Vol. 1, No. 4, 391-407, July 2001.
- 59** Sergio Flesca, Sergio Greco,
Declarative Semantics for Active Rules.
Theory and Practice of Logic Programming, Vol. 1, No. 1, 43-69, January 2001.
- 60** 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.
- 61** 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.
- 62** 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.
- 63** 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.
- 64** Sergio Greco, Domenico Saccà
Complexity and Expressive Power of Deterministic Semantics for DATALOG[∇].
Information and Computation, Vol. 153, No. 1, 81-98, 1999.
- 65** Sergio Greco
Non-determinism and weak constraints in Datalog.
New Generation Computing, Vol. 16, No. 4, 373-396, 1998.
- 66** Sergio Greco.
Dynamic Programming in Datalog with Aggregates
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- 67** Fosca Giannotti, Sergio Greco, Domenico Saccà, Carlo Zaniolo
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