

# Curriculum Vitae et Studiorum

## Sergio Greco

full professor

Department of Computer, Modeling, Electronics and System Engineering

University of Calabria

phone: 320 4204740

email: greco@dimes.unical.it

## 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).

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

### 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 Joint Conference on Artificial Intelligence (IJCAI)*, Montreal (Canada), 2021;
- *AAAI Conference on Artificial Intelligence (AAAI)*, Virtual, 2021;
- *International Conference on Extending Database Technology (EDBT)*, Nicosia (Cyprus), 2021;
- *International Conference on Data Engineering (ICDE)*, Dallas (TX), April 2020;
- *International Conference on Principles of Knowledge Representation and Reasoning (KR)*, Rhodes (Grece), September 2020;
- *International Joint Conference on Artificial Intelligence (IJCAI) - Pacific Rim International Conference on Artificial Intelligence*, 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);
- *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, assistant professor at University of Trento, Edimburgh (Italy).
- Gianvincenzo Alfano, postdoc at the University of Calabria, Rende (Italy).

## 6 Spin-off

Co-founders of *Exeura*, *Ithea* and *OKT*, three spin-off companies of the Universit della 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 Almaviva 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 2018/19-2020/21: *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 2015/16-2020/2021: *Elementi di Matematica Computazionale* (6 CFU), laurea degree “magistrale” in Computer Engineering (Ingegneria Informatica);
- from 2016/17-2020/21: *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 2015/16-2020/21 *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 2018/19 *Elementi di Informatica*, course degree in Business Economics (Economia Aziendale), Università di Catanzaro.
- from 2016/17 to 2019/20, *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 Informáticas (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.  
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Sergio Greco