

# Manolis Gergatsoulis

## BRIEF CURRICULUM VITAE

### A. Personal Data

Last Name: **Gergatsoulis**  
First Name: **Manolis**  
Current Position: *Associate Professor*  
Department of Archives, Library Sciences and Museology  
Faculty of Information Science and Informatics  
Ionian University, Corfu, Greece.  
Position Title: *Informatics with emphasis on Databases and Information Retrieval.*  
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### B. Education

23/1/1995 Phd in Computer Science, Department of Informatics,  
University of Athens, Greece.  
Title of Doctoral Dissertation: *“Logic program  
transformations: transformation rules and application  
strategies”*  
26/3/1986 M.Sc. in Electronics and Computers, University of Athens,  
Greece.  
27/7/1983 Diploma in Physics, Department of Physics, University of  
Athens, Greece.

## C. Scholarships

- 4½ year Ph.D. scholarship from the Institute of Informatics and Telecommunications, NCSR “Demokritos”.

## D. Research Interests

- Deductive Databases and Query Languages
- XML and Semistructured Data
- Metadata for Libraries archives and Museums
- Information Integration and Metadata Interoperability
- Programming Languages and Logic Programming
- Program and Query Transformation
- Semantic Web

## E. Positions

- October 2002 - today    Department of Archives, Library Science and Museology, Ionian University, Corfu, Greece.  
*Assistant Professor/Associate Professor*
- Oct. 2001 – Febr. 2002    Department of Informatics, University of Piraeus, Greece.  
*Visiting Assistant Professor.*
- Oct. 1999 – Aug. 2001    Department of Technology Education and Digital Systems, University of Piraeus, Greece.  
*Visiting Assistant Professor (2000 – 2001).*  
*Visiting Lecturer (1999 – 2000).*
- 31/8/2000-16/12/2002    High School Teacher of Informatics in state night technical school of Nea Philadelphia, Athens, Greece.
- Mar. 1996 – Febr. 2000    Institute of Informatics & Telecommunications, NCSR “Demokritos”, Athens, Greece.  
*Research Associate.*
- Sept.1996 – July 2000    Department of Informatics, Technological Educational Institute of Athens, Greece.  
*Part-time Professor.*
- Sept.1991 – July 1995    General Department of Mathematics, Technological Educational Institute of Piraeus, Greece.  
*Part-time Assistant Professor (1991-1994)*  
*Part-time Professor (1994-1995)*
- Sept.1992 – July 1994    Department of Informatics, Technological Educational Institute of Piraeus, Greece.  
*Part-time Assistant Professor.*
- Sept. 1986-Aug. 1987    Teacher of Informatics, Private technical school KOPEAKO

## **F. Courses Taught at the Ionian University**

### **Undergraduate courses:**

- Databases
- Informatics II
- Recent Topics in Database Systems
- Information Retrieval
- Knowledge Management
- Multimedia and Authoring Tools
- Metadata
- Data Encoding Standards for Archives, Libraries and Museums

### **Postgraduate courses:**

- Knowledge Management
- Information Systems
- Electronic Publishing
- Metadata for Archives, Libraries and Museums

## **G. Courses Taught at the University of Piraeus (1999-2002)**

- Theory of Computation
- Principles of Programming Languages
- The programming language C
- Intelligent Systems

## **H. Courses Taught at the Technological Educational Institutes (of Athens and Piraeus) (1991-2000)**

- Introduction to Informatics
- Programming in C.
- Programming in PASCAL.
- Programming in PROLOG.
- Programming in COBOL.
- Programming in FORTRAN.
- Programming in BASIC.

## **I. Supervision of Ph.D. Master and Diploma theses**

- I am/was Supervisor of four (4) PhD students at Ionian University. One of them (Lina Bountouri) has finished her thesis and received her Ph.D. diploma.
- I have served as a member of the Supervisory Committee of two Ph.D. students in School of Electrical and Computer Engineering, National Technical University of Athens.
- I am a member of the Supervisory Committee of eight (8) Ph.D. students (3 in School of Electrical and Computer Engineering, National Technical University

of Athens and 5 in Dept. of Archives, Library Science and Museology, Ionian University).

- I have served as a member of Examining Committees of eleven (11) Ph.D. theses (5 in the School of Electrical and Computer Engineering, National Technical University of Greece, 2 in Dept. of Informatics and Telecommunications, University of Athens, and 4 in Dept. of Archives, Library Science and Museology, Ionian University).
- I also served as Examiner of two Ph.D. theses at Department of Computing, Macquarie University, NSW 2109, Australia (2010 and 2012 respectively).
- I am supervisor/have supervised of fifteen (15) Master Theses and nine (9) Diploma Theses.
- I have served as a member of the Examining Committees of thirty four (34) Master Theses and twenty one (21) Diploma Theses.

## **J. Participation in / leadership of research projects**

- I have participated in thirteen (13) research projects funded by the European Community and/or by the General Secretariat of Research and Technology (GSRT) of Greece or by the Greek Ministry of Education. I was project leader in three (3) of them.

## **K. Evaluation of Grant Proposals**

- I have served as evaluator for several grant proposals in the Ministry of Development, General Secretariat of Research and Technology (GSRT).
- I also served as evaluator for scholarship proposals for the State Scholarship Foundation.

## **L. Participation in Conference/Symposium/Workshop Program Committees**

1. “*Fourth International Conference on Distributed Communities on the Web (DCW 2002)*”, 6-8 March 2002, Sydney, Australia. Program Committee member.
2. “*2<sup>nd</sup> Hellenic Conference on Artificial Intelligence (SETN'2002)*”, 11-12 April 2002. Thessaloniki, Greece. Program Committee member.
3. “*3<sup>rd</sup> Hellenic Conference on Artificial Intelligence (SETN'2004)*”, 5-8 May 2004, Samos, Greece. Program Committee member.
4. “*The First International Conference on Complex Medical Engineering (CME2005)*”, May 15-18, 2005, Takamatsu, Japan. Program Committee member.
5. “*Fifth Panhellenic Logic Symposium (PLS' 2005)*”, July 25-28, 2005, Athens, Greece. Organizing Committee member.
6. “*4<sup>th</sup> Hellenic Conference on Artificial Intelligence (SETN'06)*”, May 2006, Crete, Greece. Program Committee member.
7. “*2007 IEEE/ICME International Conference on Complex Medical Engineering-CME2007*”, May 23-27, 2007, Beijing, China. Program Committee member.

8. “*The Third Australasian Ontology Workshop (AOW2007)*”, 2<sup>nd</sup>-6<sup>th</sup> December 2007, Gold Coast, Queensland, Australia. Program Committee member.
9. Session Chair in the Session “Multimedia” in *IADIS International Conference WWW/INTERNET 2007*, Vila Real, Portugal, October 5-8, 2007.
10. “*1<sup>st</sup> IEEE International Workshop on Software Engineering for Context Aware Systems and Applications (SECASA 2008)*”, July 28 - August 1, 2008, Turku, Finland. Program Committee member.
11. “*3<sup>rd</sup> Annual IEEE International Workshop on Engineering Semantic Agent Systems (ESAS 2008)*”, July 28 - August 1, 2008, Turku, Finland. Program Committee member.
12. “*Knowledge Representation Ontology Workshop (KROW 2008)*”, Sydney, Australia, September 16-19, 2008. Program Committee member.
13. “*5<sup>th</sup> Hellenic Conference on Artificial Intelligence (SETN '08)*”, Syros, Greece, October 2-4, 2008. Program Committee member.
14. “*21<sup>st</sup> Australasian Joint Conference on Artificial Intelligence (AI-08)*”, Auckland, New Zealand, 3-5 December 2008. Program Committee member.
15. “*Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2008)*”, Sydney, NSW, Australia, 9 December 2008. Program Committee member.
16. “*20<sup>th</sup> International Conference on Database and Expert Systems Applications - DEXA 2009*”, Linz, Austria, August 31 - September 4, 2009. Program Committee member.
17. “*4<sup>th</sup> IEEE International Workshop on Engineering Semantic Agent Systems (ESAS 2009)*”, Seattle, Washington, U.S.A., July 20 - July 24, 2009. Program Committee member.
18. “*2<sup>nd</sup> IEEE International Workshop on Software Engineering for Context Aware Systems and Applications (SECASA 2009)*”, Seattle, Washington, U.S.A., July 20 - July 24, 2009. Program Committee member.
19. “*IEEE/ICME International Conference on Complex Medical Engineering (CME 2009)*”, Tempe, Arizona, U.S.A., April 9-11, 2009. Program Committee member.
20. “*Eleventh International Conference on Information Integration and Web-based Applications & Services (iiWAS2009)*”, Kuala Lumpur, Malaysia, December 14 - 16, 2009. Program Committee member.
21. “*22<sup>nd</sup> Australasian Joint Conference on Artificial Intelligence - AI-09*”, Melbourne, Australia, 1-4 December, 2009. Program Committee member.
22. “*CASTA 2009: Workshop on Context-Aware Software Technology and Applications*”. Co-located with ESEC/FSE 2009, August 24-28, 2009, Amsterdam, The Netherlands. Program Committee member.
23. “*The 2nd Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2009)*”, University of Milano Bicocca, Milano, Italy, 15-18 September 2009. (In Conjunction with The 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'09)). Program Committee member.
24. “*Third VLDB Workshop on Management of Uncertain Data (MUD 2009)*”, Lyon, France, August 28, 2009. Program Committee member.
25. “*21<sup>st</sup> International Conference on Database and Expert Systems Applications - DEXA 2010*”, Bilbao, August 30-September 3, 2010. Program Committee member.
26. “*6<sup>th</sup> Hellenic Conference on Artificial Intelligence (SETN 2010)*”, Athens, Greece, 5-7 May 2010. Program Committee member.

27. “5<sup>th</sup> IEEE Workshop on Engineering Semantic Agent Systems (ESAS 2010)”, Seoul, Corea, July 19- 23, 2010. (In conjunction with 34<sup>th</sup> Annual IEEE Computer Software and Applications Conference (COMPSAC 2010)). Program Committee member.
28. “2<sup>nd</sup> International Conference on Information Integration and Web-based Applications & Services (iiWAS2010)”, Paris, France, November 28-10, 2010. Program Committee member.
29. “Fourth VLDB Workshop on Management of Uncertain Data (MUD'10)”, Singapore, September 13th, 2010. (In conjunction with VLDB'10). Program Committee member.
30. “23<sup>rd</sup> Australasian Joint Conference on Artificial Intelligence - AI-2010”, Adelaide, South Australia, 7-10 December, 2010. Program Committee member.
31. “The 3<sup>rd</sup> Workshop on Logics for Intelligent Agents and Multi-Agent Systems (WLIAMAS 2010), August 31 - September 3, 2010, Toronto, Canada. (In Conjunction with The 2010 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT'10)). Program Committee member.
32. “Fourth International Workshop on REsource Discovery (RED) 2011”, Heraklion, Greece, May 29-June 2, 2011. (In conjunction with 8<sup>th</sup> Extended Semantic Web Conference (ESWC 2011)). Program Committee member.
33. “8<sup>th</sup> Panhellenic Logic Symposium (PLS' 2011)”, Ioannina, Greece, 11-15 July 2011. Program Committee member.
34. “6<sup>th</sup> IEEE International Workshop on Engineering Semantic Agent Systems (ESAS 2011), Munich, Germany, July 18-22, 2011. (In conjunction with 35<sup>th</sup> Annual IEEE Computer Software and Applications Conference (COMPSAC 2011)). Program Committee member.
35. “22<sup>nd</sup> International Conference on Database and Expert Systems Applications - DEXA 2011”, Toulouse, France, August 29 - September 2, 2011. Program Committee member.
36. “15<sup>th</sup> International Database Engineering & Applications Symposiums (IDEAS 2011)”, Lisbon, Portugal, 28-30 September, 2011. Program Committee member.
37. “24<sup>th</sup> Australasian Joint Conference on Artificial Intelligence - AI-2011”, Murdoch University, Western Australia, 5th-8th December 2011. Program Committee member.
38. “Thirteenth International Conference on Information Integration and Web-based Applications & Services (iiWAS 2011)”, Ho Chi Minh City, Vietnam, 5 - 7 December, 2011. Program Committee member.
39. “7<sup>th</sup> Hellenic Conference on Artificial Intelligence (SETN 2012)”, Lamia, Greece, May 28-31, 2012. Program Committee member.
40. “Fifth International Workshop on REsource Discovery (RED) 2012”, Heraklion, Greece, May 27-31, 2012. (In conjunction with the “9<sup>th</sup> Extended Semantic Web Conference (ESWC 2012)”). Program Committee member.
41. “IADIS International Conference Internet Applications and Research 2012”, Lisbon, Portugal, 17 - 19 July, 2012. Program Committee member.
42. Program Committee member of the “Special Track on Artificial Intelligence and the WEB” tou “Twenty-Sixth Conference on Artificial Intelligence (AAAI-12)”, Toronto, Ontario, Canada, July 22–26, 2012.
43. “23<sup>rd</sup> International Conference on Database and Expert Systems Applications - DEXA 2012”, Vienna, Austria, September 3-7, 2012. Program Committee member.

44. “*Sixth International Conference on Metadata and Semantics Research Conference (MTSR 2012)*”, Cadiz, Spain, November 28-29th, 2012. Program Committee member.
45. “*Fourteenth International Conference on Information Integration and Web-based Applications & Services (iiWAS 2012)*”, Bali, Indonesia, 3-5 December 2012. Program Committee member.
46. “*25<sup>th</sup> Australasian Joint Conference on Artificial Intelligence - AI-2012*”, Sydney, Australia, 4th-7th December 2012. Program Committee member.
47. “*The Eighth Australasian Ontology Workshop (AOW 2012)*”, Sydney, Australia, 4 December 2012. Program Committee member.
48. “*10<sup>th</sup> Extended Semantic Web Conference (ESWC 2013)*”, Montpellier, France, May 26-30, 2013. Program Committee member.
49. “*MTSR 2013 - 7th Metadata and Semantics Research Conference*”, Thessaloniki, Greece, November 19-22, 2013. Program Committee member.
50. “*Sixth International Workshop on REsource Discovery (RED) 2013*”, Montpellier, France, May 26-30, 2013. (In conjunction with the “*10<sup>th</sup> Extended Semantic Web Conference (ESWC 2013)*”). Program Committee member.
51. “*24<sup>th</sup> International Conference on Database and Expert Systems Applications - DEXA 2013*”, Prague, Czech Republic, August 26 - 30, 2013. Program Committee member.
52. “*5th International Conference on Knowledge Engineering and Ontology Development - KEOD 2013*”, Vilamoura, Algarve, Portugal. September 19-22, 2013. Program Committee member.
53. “*17<sup>th</sup> International Conference on Theory and Practice of Digital Libraries - TPDL 2013*”, Valletta, Malta, September 22-26, 2013. Program Committee member.
54. “*The 15th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2013)*”, Vienna, Austria, 2-4 December 2013. Program Committee member.
55. “*26th Australasian Joint Conference on Artificial Intelligence (AI 2013)*”, Dunedin, New Zealand from 3-6 December 2013. Program Committee member.
56. “*8<sup>th</sup> Hellenic Conference on Artificial Intelligence (SETN 2014)*”, Ioannina, Greece, May 15-17, 2014. Program Committee member.
57. “*11<sup>th</sup> Extended Semantic Web Conference (ESWC 2014)*”, Crete, Greece, May 25-29, 2014. Program Committee member.
58. “*25<sup>th</sup> International Conference on Database and Expert Systems Applications - DEXA 2014*”, Munich, Germany, September 1 - 5, 2014. Program Committee member.
59. “*Digital Libraries 2014, ACM/IEEE Joint Conference on Digital Libraries (JCDL 2014), and International Conference on Theory and Practice of Digital Libraries (TPDL 2014)*”, London, 8th-12th September 2014. Program Committee member.
60. “*18th Panhellenic Conference on Informatics (PCI 2014)*”, Athens, Greece, October 2-4, 2014. Program Committee member.
61. “*6th International Conference on Knowledge Engineering and Ontology Development - KEOD 2014*”, Rome, Italy, October 14 - 16, 2014. Program Committee member.
62. “*MTSR 2014: 8th Metadata and Semantics Research Conference*”, Karlsruhe Institute of Technology (KIT) Germany, November 26-28, 2014. Program Committee member.

63. “*The 16th International Conference on Information Integration and Web-based Applications & Services (iiWAS 2014)*”, Hanoi, Vietnam, 4 - 6 December 2014. Program Committee member.

## **M. Conference/Symposium/Workshop Organization**

1. Program Co-chair of the “*12<sup>th</sup> International Symposium on Languages for Intensional Programming (ISLIP'99)*”, Athens, Greece, 28-30 June 1999.
2. Workshop Chair and Program Committee member of the “*13<sup>th</sup> European Conference on Digital Libraries (ECDL 2009)*”, September 27-October 2, 2009.
3. Chair (in cooperation with Prof. C. Papatheodorou) of the Special Track on Metadata & Semantics for Cultural Collections & Applications. Part of the *Fifth International Conference on Metadata and Semantic Research (MTSR 2011)*, Yasar University, October 12-14, 2011, Izmir, Turkey.
4. Chair (in cooperation with Prof. Carlo Meghini and Prof. C. Papatheodorou) of the Special Track on Metadata & Semantics for Cultural Collections & Applications. Part of the *Sixth International Conference on Metadata and Semantic Research (MTSR 2012)*, Cadiz, Spain, November 28-29th, 2012.
5. Chair of the Special Track on Metadata & Semantics for Cultural Collections & Applications. Part of the *Seven International Conference on Metadata and Semantic Research (MTSR 2013)*, Thessaloniki, Greece, November 19-22, 2013.

## **N. Reviewer of Articles Submitted to International Journals and Conferences**

- Data & Knowledge Engineering (Journal).
- Information Systems Frontiers (Journal).
- Expert Systems: the Journal of Knowledge Engineering.
- Data Science Journal.
- The International Journal on Very Large Data Bases (The VLDB Journal).
- International Journal of Metadata, Semantics and Ontologies (IJMSO).
- Journal of Applied Logic.
- Journal of Library Metadata.
- International Journal on Artificial Intelligence Tools (IJAIT).
- 8<sup>th</sup> Panhellenic Conference on Informatics, 2001.
- Twentieth ACM SIGMOD-SIGACT-SIGART Symposium on Principles of Database Systems (PODS 2001).
- The 17<sup>th</sup> IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2005).
- The 9<sup>th</sup> European Conference on Research and Advanced Technology for Digital Libraries (ECDL 2005).
- 3<sup>rd</sup> European Starting AI Researcher Symposium (STAIRS-2006).
- 33<sup>rd</sup> International Conference on Very Large Data Bases (VLDB 2007).
- Reviewer in Mathematical Reviews (MR) of American Mathematical Society (AMS) (since 2005).

## O. Publications

### O1. Books, Theses and Collections of Papers

1. M. Katzouraki, **M. Gergatsoulis**, S. Kokkotos. PROgramming in LOGic with applications in Artificial Intelligence. Published by the Hellenic Computer Society, Athens, Greece 1991. (In Greek).
2. **Manolis Gergatsoulis**, Panos Rondogiannis (editors). Proceedings of the 12th International Symposium on Languages for Intensional Programming (ISLIP'99). NCSR "Demokritos", Athens, Greece, June 28-30, 1999.
3. **Manolis Gergatsoulis**, Panos Rondogiannis (editors). Intensional Programming II. World Scientific, 2000. (ISBN 981-02-4095-3). (It is a collection of papers formed from revised and extended versions of the papers presented at ISLIP' 99).
4. **Manolis Gergatsoulis**. Logic program transformations and their application strategies. Phd Thesis, Department of Informatics, University of Athens, December 2004. (In Greek).

### O2. Papers in Refereed Journals and Book Chapters.

5. Foto Afrati, Matthew Damigos, **Manolis Gergatsoulis**. On Solving Efficiently the View Selection Problem under Bag and Bag-Set semantics. On Solving Efficiently the View Selection Problem under Bag and Bag-Set semantics. *Information Systems*, 42: 153-176, 2014.
6. **Manolis Gergatsoulis**, Lina Bountouri, Panorea Gaitanou, Christos Papatheodorou. On the integration of cultural metadata schemas using CIDOC Conceptual Reference Model. Submitted for publication.
7. Panorea Gaitanou, **Manolis Gergatsoulis**. Defining a semantic mapping of VRA Core 4.0 to the CIDOC Conceptual Reference Model. *International Journal of Metadata, Semantics and Ontologies*, 7(2):140-156, 2012.
8. Lina Bountouri, **Manolis Gergatsoulis**. The Semantic Mapping of Archival Metadata to the CIDOC CRM Ontology. *Journal of Archival Organization*, 9(3&4):174-207, 2011.
9. Foto Afrati, Matthew Damigos, **Manolis Gergatsoulis**. Query Containment under Bag and Bag-set Semantics. *Information Processing Letters*, 110(10):360-369, 2010.
10. **Manolis Gergatsoulis**, Pantelis D. Lilis, Irene Lourdi, Christos Papatheodorou. Representing Context-Dependent Information in Cultural Collections. *International Journal of Semantic Computing*, 3(2):255-276, June 2009.
11. Lina Bountouri, **Manolis Gergatsoulis**. Interoperability between archival and bibliographic metadata: an EAD to MODS crosswalk. *Journal of Library Metadata*, 9(1&2):98-133, 2009.
12. Nikolaos Fouteris, **Manolis Gergatsoulis**, Yannis Stavrakas. Updating Multidimensional XML documents. *International Journal of Web Information Systems*, 4(2):142-164, 2008.
13. Foto Afrati, Rada Chirkova, **Manolis Gergatsoulis**, Vassia Pavlaki. View Selection for Real Conjunctive Queries. *Acta Informatica*, 44(5):289-321, September 2007.
14. Petros Potikas, Panos Rondogiannis, **Manolis Gergatsoulis**. A Value-propagating Transformation Technique for Datalog Programs Based on Non-deterministic Constructs. *Fundamenta Informaticae*, 72(4):485-527, August 2006.

15. Christos Nomikos, Panos Rondogiannis, **Manolis Gergatsoulis**. Temporal Stratification Tests for Linear and Branching-time Deductive Databases. *Theoretical Computer Science*, 342(2-3):382-415, September 2005.
16. **Manolis Gergatsoulis**, Christos Nomikos. A proof procedure for temporal logic programming. *International Journal of Foundations of Computer Science*, 15(2):417-443, April 2004.
17. Yannis Stavarakas, **Manolis Gergatsoulis**, Christos Doulkeridis, Vassilis Zafeiris. Representing and Querying Histories of Semistructured Databases using Multidimensional OEM. *Information Systems*, 29(6):461-482, September 2004.
18. Foto Afrati, **Manolis Gergatsoulis**, Francesca Toni. Linearizability on Datalog Programs. *Theoretical Computer Science*, 308(1-3):199-226, November 2003.
19. **Manolis Gergatsoulis**, Panos Rondogiannis, Themis Panayiotopoulos. Temporal Disjunctive Logic Programming. *New Generation Computing*, 19(1):87-100, 2001.
20. Panos Rondogiannis, **Manolis Gergatsoulis**. The Branching-time Transformation Technique for Chain Datalog Programs. *Journal of Intelligent Information Systems*, 17(1):71-94, November 2001.
21. Theodoros Mitakos, **Manolis Gergatsoulis**, Yannis Stavarakas, Efstathios V. Ioannidis. Representing Time-Dependent Information in Multidimensional XML. *Journal of Computing and Information Technology*, 9(3):233-238, September 2001.
22. **Manolis Gergatsoulis**. Temporal and modal logic programming languages. *Encyclopedia of Microcomputers*, Allen Kent and James G. Williams (Executive Editors), Volume 27, Supplement 6, pages 393-408, Marcel Dekker, Inc. New York, 2001.
23. **Manolis Gergatsoulis**. Extensions of the branching-time logic programming language Cactus. In Manolis Gergatsoulis, and P. Rondogiannis (editors), *Intensional Programming II*, World Scientific, pages 117-132, 2000.
24. Panos Rondogiannis, **Manolis Gergatsoulis**, Themis Panayiotopoulos. Branching-Time Logic Programming: The Language *Cactus* and its Applications. *Computer Languages*, 24(3):155-178, October 1998.
25. **Manolis Gergatsoulis**. Unfold/fold transformations for Disjunctive Logic programs. *Information Processing Letters*, 62(1):23-29, April 1997.

### O3. Refereed Conference Publications.

26. Christos Nomikos, **Manolis Gergatsoulis**, Eleftherios Kalogeros, Matthew Damigos. A Map-Reduce algorithm for querying linked data based on query decomposition into stars. In K. Selçuk Candan, Sihem Amer-Yahia, Nicole Schweikardt, Vassilis Christophides and Vincent Leroy (eds.), *Proceedings of the Workshops of the EDBT/ICDT 2014 Joint Conference (EDBT/ICDT 2014)*, Athens, Greece, March 28, 2014, CEUR Workshop Proceedings, Volume 1133, pp. 224-231, 2014.
27. **Manolis Gergatsoulis**, Christos Nomikos, Eleftherios Kalogeros, and Matthew Damigos. An algorithm for querying linked data using Map-Reduce. In Abdelkader Hameurlain, Wenny Rahayu, David Taniar (eds.), *Data Management in Cloud, Grid and P2P Systems - 6th International Conference, Globe 2013, Prague, Czech Republic, August 28-29, 2013. Proceedings. Lecture Notes in Computer Science, Vol. 8059*, pp. 51-62, Springer-Verlag, 2013.

28. Matthew Damigos, **Manolis Gergatsoulis**, and Stathis Plitsos. Distributed processing of XPath queries using Map-Reduce. In Barbara Catania, Tania Cerquitelli, Silvia Chiusano, Giovanna Guerrini, Mirko Kämpf, Alfons Kemper, Boris Novikov, Themis Palpanas, Jaroslav Pokorný, Athena Vakali (eds.), *New Trends in Databases and Information Systems, 17<sup>th</sup> East European Conference on Advances in Databases and Information Systems, ADBIS 2013, Genoa, Italy, September 1-4, 2013. Advances in Intelligent Systems and Computing, Volume 241*, pp. 69-77, Springer, 2014.
29. Nikolaos Fousteris, **Manolis Gergatsoulis**, and Yannis Stavrakas. "MXML Path-based Storage and Ordered-based Context Manipulation". In Hendrik Decker, Lenka Lhotská, Sebastian Link, Josef Basl, A Min Tjoa (eds.), *Database and Expert Systems Applications - 24th International Conference, DEXA 2013, Prague, Czech Republic, August 26-29, 2013. Proceedings, Part II, Lecture Notes in Computer Science, Vol. 8056*, pp. 203-212, Springer-Verlag, 2013.
30. Panorea Gaitanou, Lina Bountouri, **Manolis Gergatsoulis**. Automatic Generation of Crosswalks through CIDOC CRM. In J. M. Doderio, M. Palomoduarte, P. Karampiperis (eds.), *6th Research Conference, MTSR 2012, Cádiz, Spain, November 28-30, 2012. Proceedings, Communications in Computer and Information Science, Vol. 343*, pp. 264-275, Springer 2012.
31. Nikolaos Fousteris, **Manolis Gergatsoulis**, and Yannis Stavrakas. Path-based MXML Storage and Querying. Proceedings of the *Second Workshop on Digital Information Management*, pp. 51-65, Corfu, Greece, April 25-26, 2012.
32. Panorea Gaitanou, **Manolis Gergatsoulis**. A semantic mapping of VRA Core 4.0 to the CIDOC Conceptual Reference Model. In E. García-Barriocanal, Z. Cebeci, M. C. Okur, A. Öztürk (eds.), *Metadata and Semantic Research, 5th International Conference MTSR 2011, Izmir, Turkey, October 12-14, 2011, Proceedings, Communications in Computer and Information Science, Vol. 240*, pp. 387-399, Springer 2011.
33. Foto Afrati, Matthew Damigos, **Manolis Gergatsoulis**. Union Rewritings for XPath fragments. In Bipin C. Desai, Isabel F. Cruz, Jorge Bernardino (Eds.): *15th International Database Engineering and Applications Symposium (IDEAS 2011), September 21 - 27, 2011, Lisbon, Portugal. Pages 43-51*, ACM 2011.
34. Foto Afrati, Matthew Damigos, **Manolis Gergatsoulis**. Rewriting real conjunctive queries using viewsets of minimal-size. In *Proceedings of the 8th Panhellenic Logic Symposium*, Ioannina, Greece, July 4-8 2011.
35. Lina Bountouri, **Manolis Gergatsoulis**. Mapping Encoded Archival Description to CIDOC CRM. Proceedings of the *First Workshop on Digital Information Management*, pp. 8-25, Corfu, Greece, March 30-31, 2011.
36. Panorea Gaitanou, **Manolis Gergatsoulis**. Mapping VRA Core 4.0 to the CIDOC/CRM ontology. Proceedings of the *First Workshop on Digital Information Management*, pp. 26-38, Corfu, Greece, March 30-31, 2011.
37. Nikolaos Fousteris, **Manolis Gergatsoulis**, Yannis Stavrakas. MXML Storage and the problem of manipulation of context. Proceedings of the *First Workshop on Digital Information Management*, pp. 45-60, Corfu, Greece, March 30-31, 2011.
38. Lina Bountouri, Christos Papatheodorou, **Manolis Gergatsoulis**. Modelling the Public Sector Information through CIDOC Conceptual Reference Model In R. Meersman, T. Dillon and P. Herrero (eds.), *On the Move to Meaningful Internet Systems: OTM 2010 Workshops (6th International Workshop on Ontology Content (OnToContent 2010))*. Crete, Greece, October 25 - 29, 2010. *Lecture Notes in Computer Science, Vol. 6428*, pp. 404-413, Springer-Verlag, 2010.

39. **Manolis Gergatsoulis**, Lina Bountouri, Panorea Gaitanou, Christos Papatheodorou. Query transformation in a CIDOC CRM based cultural metadata integration environment. In M. Lalmas, J. Jose, A. Rauber, F. Sebastiani and I. Frommholz (eds.), *Research and Advanced Technology for Digital Libraries. 14th European Conference, ECDL 2010, Glasgow, UK, September 6-10, 2010. Proceedings. Lecture Notes in Computer Science, 2010, Vol. 6273, pp. 38-45*, Springer, 2010.
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## P. Citations

- I have found more than 450 citations to my papers (excluding self-citations).

## Q. Other Activities

- Professional Societies:
  - Member of the *Hellenic Society of Artificial Intelligence*. Treasurer from 12/19/1998 to 12/9/2000.
  - President of the *Association of the Associate Researchers of "Demokritos"* from June 1996 to February 2000.
  - Vice President of the *Association of Ionian University Teachers* (from January 2005 to February 2008), Secretary (from February 2008 to November 2010), Vice Secretary (from December 2010 to May 2014).
- Substitute Member of the Board of the *General State Archives of Greece* (October 11, 2004 to October 10, 2007).

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