

Nick Bassiliades

Curriculum Vitae

1. Personal Information

Data of birth	9/5/1969
Place of birth	Thessaloniki, Greece
Marital Status	Married with 2 children
Current Position	Assistant Professor
Affiliation/Address	Dept. of Informatics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece Tel: +302310997913, Fax: +302310998419 e-mail: nbassili@csd.auth.gr URL: http://www.csd.auth.gr/~nbassili/
Studies	1987-1991 B.Sc. Physics, Aristotle University of Thessaloniki, Thessaloniki, Greece
	1991-1992 M.Sc. Applied Artificial Intelligence, Computing Science Dept., Aberdeen University, Scotland
	1992-1998 PhD in Parallel Knowledge Base Systems, Dept. of Informatics, Aristotle University of Thessaloniki, Thessaloniki, Greece
Scholarships	1987-1991 Four (4) annual scholarships from the Greek Foundation of State Scholarships (I.K.Y.)
	1991-1992 European Social Fund for studying for an M.Sc. degree in UK
	1993-1997 Scholarship for studying for a Ph.D. degree in the area of Artificial Intelligence from the Greek Foundation of State Scholarships (I.K.Y.)
	1995 8-month scholarship from the Dept. of Informatics, Aristotle University of Thessaloniki (funded by the Research Committee of A.U.Th.)
	2001-2002 Post-Doctoral Scholarship in the area of "Intelligent Management of Semi-structured Data" from the Greek Foundation of State Scholarships (I.K.Y.)

2. Research Activity

Research Interests	Deductive, Active and Object-Oriented Knowledge Base Systems Data Integrity Constraints Information Integration XML Querying Parallel Database Systems, Parallel Knowledge Base Systems Expert Systems, Knowledge Systems e-Learning, e-Commerce Semantic Web, Ontologies, Reasoning Intelligent Web Services Intelligent Agents
Research Projects	1992-1993 Development of a parallel database management system using a fuzzy query language (funded by the Research Committee of Aristotle University of Thessaloniki)
	1996-1997 Development of an expert system for software evaluation (funded by the Greek General Secretariat for Research and Development)
	1997-1998 Development of a distributed expert system for the management of a national network (funded by European Union under the INCO-Copernicus program)
	2000-2001 Development of a Logic Programming Platform for Building Distributed Constraint Applications (funded by the Greek General Secretariat for Research and Development - bilateral Greece-Hungary cooperation)
	1999-2002 Distributed Information Technologies, New Curricula and Flexible Education (EU - TEMPUS)

2000-2002	Design, development and validation of a novel dynamic and adaptive Learning Environment (Knowledge on Demand - KOD) (EU - IST)
2001-2003	RIMM-NET: Remote Intelligent Monitoring & Management for a Nationally Distributed NETwork (funded by the Greek General Secretariat for Research and Development - bilateral Greece-Ukraine cooperation)
2001-2006	"Go-Digital" - Training and supporting SMEs in adopting e-business practices (funded by the Greek Ministry of Development) - Project leader since May 2005
2002-2003	Interregional telematic network for the management of Risks in the Balkan and South Mediterranean area "INTERISK"
2003-2005	e-Learning Support Center (eLSC) - AUTH's Central Action. (funded by the Greek Ministry of Education).
2004-2006	Development of a Distributed Intelligent System for Monitoring and Processing Environmental Sensor Data (funded by the Greek Ministry of Education)
2004-2006	Advanced Research in the Development and Application of techniques and systems for Modelling and Simulation (funded by the Greek Ministry of Education)
2005-2006	Development of an intelligent system for the remote management of natural gas units (funded by the Greek General Secretariat for Research and Development)
2005-2006	Planning Systems in Semantic Web for e-Learning (funded by the Greek Ministry of Education)
2005-2008	Intelligent Management of Semantic Web Services (funded by the Greek General Secretariat for Research and Development - PENED)
2005-2007	An Object-Oriented Knowledge Base System for Reasoning about OWL Ontologies - Project Leader (funded by the Greek General Secretariat for Research and Development - bilateral Greece-Ukraine cooperation)
2006-2008	Educating Juridical Officers in using Advanced Information Technologies by upgrading the Education Processes of the National School of Judges (funded by the Greek Information Society)
2006-2008	Semantic Web e-Commerce Applications Using Defeasible Reasoning (funded by the Greek General Secretariat for Research and Development - Cooperation with Non-Europe Countries, Australia)

3. Scientific Activities

Paper Reviewer

1997-	The Computer Journal
1997-	Information & Software Technology
1999-	Data & Knowledge Engineering
2001	2 nd Int. Conf. on Internet Computing (IC'2001)
2001	2nd Hellenic Conference on Artificial Intelligence (SETN-02)
2001	Web-Powered Databases, Book edited by D. Taniar and W. Rahayu, Idea Group Publishing, USA
2002-	Distributed and Parallel Databases
2004	Intelligent Techniques for Planning, Book edited by I. Vlahavas and D. Vrakas, Idea Group Publishing, USA
2004	3rd Hellenic Conference on Artificial Intelligence (SETN-04)
2003	9th Panhellenic Conference on Informatics 2003 (PCI9)
2003	1st Balkan Informatics Conference (BCI2003)
2004	3rd Int. Workshop on Rules and Rule Markup Languages for the Semantic Web (RuleML 2004)

	2004	2005 Information Resources Management Association (IRMA) Int. Conf.
	2005	11th Int. Conf. on Parallel and Distributed Systems (ICPADS-2005), Parallel/Distributed Databases and Data Mining Track
	2004-	International Journal on Data Warehousing and Mining
	2004-	Journal of Systems and Software
	2004-	Journal of Web Semantics
	2005	10 th Panhellenic Conference on Informatics 2005 (PCI2005)
	2005	International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2005)
	2005	20th IEEE International Conference on Advanced Information Networking and Applications (AINA 2006), Distributed Databases and Data Mining Track
	2005	8th International Conference on Enterprise Information Systems (ICEIS-2006)
	2005	4 th Hellenic Conference on Artificial Intelligence (SETN-06)
	2005	Web Data Management Practices: Emerging Techniques and Technologies, Book edited by A. Vakali and G. Pallis, Idea Group Publishing, USA
	2006	8th International Conference on Electronic Commerce (ICEC-2006)
	2006-	International Journal of Artificial Intelligence Tools
	2006	2nd International Conference on Intelligent Computer Communication and Processing (ICCP 2006)
	2007	International Conference on Artificial Intelligence and Pattern Recognition (AIPR-07)
	2007	Information Resources Management Association (IRMA) International Conference
	2007	9th International Conference on Enterprise Information Systems (ICEIS 2007)
Conference Organizing Committee	2002	2nd Hellenic Conference on Artificial Intelligence (SETN-02)
Conference Program Committee	2004	3rd Int. Workshop on Rules and Rule Markup Languages for the Semantic Web (RuleML 2004)
	2004	2005 Information Resources Management Association (IRMA) Int. Conf.
	2004	11th Int. Conf. on Parallel and Distributed Systems (ICPADS-2005), Parallel/Distributed Databases and Data Mining Track
	2005	2nd International Scientific Conference on Computer Science, IEEE Computer Society, Bulgarian Section, Halkidiki, Greece, 30 th Sep-2 nd Oct 2005
	2005	1 st International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2005), 10-12 November 2005, Galway, Ireland
	2005	20th IEEE International Conference on Advanced Information Networking and Applications (AINA 2006), Distributed Databases and Data Mining Track
	2006	4 th Hellenic Conference on Artificial Intelligence (SETN-06)
	2006	8th International Conference on Enterprise Information Systems (ICEIS-2006)
	2006	2nd International Conference on Intelligent Computer Communication and Processing (ICCP 2006)
	2007	International Conference on Artificial Intelligence and Pattern Recognition (AIPR-07)
	2007	Information Resources Management Association (IRMA) International Conference
	2007	9th International Conference on Enterprise Information Systems (ICEIS 2007)
Invited Speaker	2005	"Semantic Web: Vision and Technologies", <i>2nd International Scientific Conference on Computer Science</i> , Chalkidiki, Greece, 30th Sep-2nd Oct, IEEE Computer Society, Bulgarian Section
Session Chairman	2002	2nd Hellenic Conference on Artificial Intelligence (SETN-02)

	2003	9th Panhellenic Conference on Informatics 2003 (PCI9)
	2004	3rd Hellenic Conference on Artificial Intelligence (SETN-04)
	2005	2nd International Scientific Conference on Computer Science, IEEE Computer Society, Bulgarian Section
	2006	4 th Hellenic Conference on Artificial Intelligence (SETN-06)
	2006	2nd ADBIS Workshop on Data Mining and Knowledge Discovery (ADMKD-06)
	2006	5th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2006 - OTM 2006)
Scientific Working Groups	2006	Working group on "The Semantic Web and the New Generation of E-Business" of the Greek eBusiness Forum (http://www.ebusinessforum.gr/index.php?op=modload&modname=Teams&action=teamsviewnewall&pageid=66)
Scientific Associations Membership	1992-	Greek Physics Society (GPS)
	1993-	Greek Computer Society (EIIY)
	2000-	Hellenic Association for Artificial Intelligence (EETN)
	1993-	IEEE & IEEE Computer Society
	1996-	ACM & ACM SIGART/SIGMOD/SIGPLAN/SIGWEB

4. Educational Experience

2003-now	Assistant Professor at the Dept. of Informatics, AUTH (Courses: Logic & Functional Programming, Knowledge Systems, C & Unix, Semantic Web, Intelligent Agents, Knowledge Management)
2005-2006	Guest Lecturer on "Intelligent Systems" at the MSc in Managerial Information Systems of University of Macedonia
1999-2003	Part-time lecturer at the Dept. of Informatics, AUTH. Courses: "Structural Programming (PASCAL)", "C & Unix", "Logic & Functional Programming", "Artificial Intelligence"
2002-2003	Part-time assistant professor at the Dept. of Informatics, Technological and Educational Institute of Thessaloniki, Greece. Course: "Artificial Intelligence Lab"
2002-2003	Lab course on "Logic Programming and Language Processing" of the Interdisciplinary Postgraduate Studies Programme of AUTH at Sciences & Technologies of Language & Communication
2000-2001	Course assistant on "Applying Telematics at Production Systems" course at the Postgraduate course on Management of Production Systems at the Dept. of Mechanical Engineering, AUTH
2000-2002	Part-time lecturer at the Dept. of Computer Science, City Liberal Studies, Affiliated Institution of Sheffield University (Courses: Database Systems, Advanced Database Systems)

PhD Theses

I am the main supervisor of 2 PhD candidates at the Dept. of Informatics (AUTH) and I am a member of the supervising committee of 9 other PhD candidates at the same department and of 2 candidates at other Greek University Departments. I have been a member of the viva committee of 11 PhD candidates at the Dept. of Informatics (AUTH). I have been an external reviewer for the PhD thesis proposal of a PhD candidate at a British University.

Diploma Theses

I have supervised 8 diploma theses at the Dept. of Informatics (AUTH), 4 MSc Theses at the Dept. of Informatics (AUTH), 8 MSc Theses at the MSc in "Informatics and Management" of the Departments of Informatics and Economics of AUTH and 2 MSc Theses at the MSc in "Managerial Information Systems" of the University of Macedonia.

5. Publications

I have published 2 theses, and 54 papers (17 journal papers, 37 conference papers), 3 books, 8 book chapters and 5 various other articles.

Theses

- T1. N. Bassiliades, *Constraint Description in ADAM*, M.Sc. Thesis, Computing Science Dept., Aberdeen University, Scotland, U.K., September 1992.
- T2. N. Bassiliades, *Parallel Knowledge Base Systems*, PhD dissertation, Dept. of Informatics, Aristotle University of Thessaloniki, Greece, February, 1998.

Books

- B1. I. Vlahavas and N. Bassiliades, *"Parallel, Object-Oriented, and Active Knowledge Base Systems"*, Advances in Database Systems, A.K. Elmagarmid (ed.), Vol. 11, Kluwer Academic Publishers, ISBN 0-7923-8117-3, February 1998.
- B2. I. Vlahavas, P. Kefalas, N. Bassiliades, I. Refanidis, F. Kokkoras, I. Sakellariou, *"Artificial Intelligence"* (in Greek), Gartaganis Publications, ISBN 960-7013-28-X, 2002.
- B3. I. Vlahavas, P. Kefalas, N. Bassiliades, F. Kokkoras, I. Sakellariou, *"Artificial Intelligence - 2nd edition"* (in Greek), Gartaganis Publications, ISBN 960-7013-35-2, 2005.

Book Chapters

- A1. N. Bassiliades and I. Vlahavas, "Active Knowledge-Based Systems", in *"Knowledge Based Systems: Techniques and Applications"*, C.T. Leondes, ed., Vol. 1, Ch. 1, pp. 1-36, Academic Press, 2000.
- A2. N. Bassiliades, F. Kokkoras, I. Vlahavas, D. Sampson, "An Intelligent Educational Metadata Repository", in *Intelligent Systems, Techniques and Applications*, C.T. Leondes (ed.), Vol. 4, Ch. 12, pp. 297-337, CRC Press, 2003.
- A3. N. Bassiliades, I. Vlahavas, D. Sampson, "Using Logic for Querying XML Data", in *Web-Powered Databases*, D. Taniar, W. Rahayu (eds.), Ch. 1, pp. 1-35, Idea-Group Publishing, 2003.
- A4. G. Tsoumakas, N. Bassiliades, I. Vlahavas, "A Knowledge-based Web Information System for the Federation of Distributed Classifiers", in *Web Information Systems*, D. Taniar and W. Rahayu (Eds.), Idea-Group Publishing, Chapter 8, pp. 271-308, 2004..
- A5. F. Kokkoras, N. Bassiliades, I. Vlahavas, "Aggregator: A Knowledge based Comparison Chart Builder for e-Shopping", in *Intelligent Knowledge-Based Systems: Business and Technology in the New Millennium*, C.T. Leondes (Ed.), Kluwer Academic Publishers, Vol. 1: Knowledge-Based Systems, Ch. 6, pp. 140-163, 2005..
- A6. D. Vrakas, G. Tsoumakas, N. Bassiliades, I. Vlahavas, "Machine Learning for Adaptive Planning", in *Intelligent Techniques for Planning*, I. Vlahavas and D. Vrakas (Eds.), Idea Group Publishing, Ch. 3, pp. 90-120, 2005.
- A7. D. Vrakas, R. Hatzis, N. Bassiliades, D. Anagnostopoulos, I. Vlahavas, "A Visual Programming Tool for Designing Planning Problems for Semantic Web Service Composition", accepted for publication at *Visual Languages for Interactive Computing: Definitions and Formalizations*, F. Ferri (ed.), Idea Group Publishing, to appear in 2007.
- A8. E. Kontopoulos, N. Bassiliades, G. Antoniou, "Visual Development of Defeasible Logic Rules for the Semantic Web", accepted for publication at *Visual Languages for Interactive Computing: Definitions and Formalizations*, F. Ferri (ed.), Idea Group Publishing, to appear in 2007.

Journals

- J1. N. Bassiliades and P.M.D. Gray, "CoLan: A Functional Constraint Language and Its Implementation", *Data & Knowledge Engineering*, Vol. 14, No. 3, February 1995, pp. 203-249, Elsevier Science.
- J2. N. Bassiliades and I. Vlahavas, "Constraint Checking in a Parallel Object-Oriented Database System", *Journal of Parallel Algorithms and Applications*, Vol. 5, 1995, pp. 129-147, Gordon and Breach Science Publishers.
- J3. N. Bassiliades and I. Vlahavas, "PRACTIC: A Concurrent Object Data Model for a Parallel Object-Oriented Database System", *Information Sciences*, Vol. 86 (1-3), 1995, pp. 149-178, North-Holland, Elsevier Science.
- J4. N. Bassiliades and I. Vlahavas, "Hierarchical Query Execution in a Parallel Object-Oriented Database System", *Parallel Computing*, Vol. 22, No. 7, 1996, pp. 1017-1048, Elsevier Science.
- J5. N. Bassiliades and I. Vlahavas, "DEVICE: Compiling production rules into event-driven rules using complex events", *Information and Software Technology*, Vol. 39, No. 5, 1997, pp. 331-342, Elsevier Science.
- J6. N. Bassiliades and I. Vlahavas, "Processing Production Rules in DEVICE, an Active Knowledge Base System", *Data & Knowledge Engineering*, Vol. 24(2), pp. 117-155, Elsevier Science, 1997.
- J7. N. Bassiliades, I. Vlahavas and A.K. Elmagarmid, "E-DEVICE: An Extensible Active Knowledge Base System with Multiple Rule Type Support", *IEEE Trans. On Knowledge and Data Engineering*, Vol. 12, No. 5, pp. 824-844, 2000.
- J8. I. Vlahavas, N. Bassiliades, et al., "ExperNet: An Intelligent Multi-Agent System for WAN Management", *IEEE Intelligent Systems*, Vol. 17, No. 1, pp. 62-72, 2002.

- J9. V. Dimitroula, N. Bassiliades, I. Vlahavas, S. Dimitrakos, "FUNAGES: An Educational Expert System for Fundus Fluorescein Angiography", *Health Informatics Journal*, Vol. 7, No. 3-4, pp. 214-221, 2001.
- J10. N. Bassiliades, I. Vlahavas, A.K. Elmagarmid and E.N. Houstis, "InterBase^{KB}: Integrating a Knowledge Base System with a Multidatabase System for Data Warehousing", *IEEE Trans. On Knowledge and Data Engineering*, Vol. 15, No. 5, pp. 1188-1205, 2003.
- J11. N. Bassiliades, D. Anagnostopoulos, I. Vlahavas, "Web Service Composition Using a Deductive XML Rule Language", *Distributed and Parallel Databases*, Vol. 17, No. 2, pp. 135-178, 2005.
- J12. D. Vrakas, G. Tsoumakas, N. Bassiliades, I. Vlahavas, "HAPrc: An Automatically Configurable Planning System", *AI Communications*, Vol. 18, No. 1, pp. 41-60, 2005.
- J13. G. Antoniou, T. Skylogiannis, A. Bikakis, N. Bassiliades, "A Semantic Brokering System for the Tourism Domain", *Journal of Information Technology & Tourism*, Special issue on "Semantic Web Technologies and Applications", Vol. 7, No. 3-4, 2005.
- J14. N. Bassiliades, G. Antoniou, I. Vlahavas, "A Defeasible Logic Reasoner for the Semantic Web", *International Journal on Semantic Web and Information Systems*, Vol. 2, No. 1, pp. 1-41, 2006.
- J15. N. Bassiliades, I. Vlahavas, "R-DEVICE: An Object-Oriented Knowledge Base System for RDF Metadata", *International Journal on Semantic Web and Information Systems*, Vol. 2, No. 2, pp. 24-90, 2006.
- J16. G. Antoniou, T. Skylogiannis, A. Bikakis, M. Doerr, N. Bassiliades, "DR-BROKERING: A Semantic Brokering System", *Knowledge-Based Systems*, accepted for publication, 2006.
- J17. D. Vrakas, G. Tsoumakas, F. Kokkoras, N. Bassiliades, I. Vlahavas, D. Anagnostopoulos, "PASER: A Curricula Synthesis System based on Automated Problem Solving", *International Journal on Teaching and Case Studies*, Special Issue on "Information Systems: The New Research Agenda, the Emerging Curriculum and the New Teaching Paradigm", accepted for publication, 2006.

Conferences

- C1. N. Vasiliades and I. Vlahavas, "LBASE: A Logical Database Management System", *Proc. 1st General Conference of the Balkan Physical Union*, Thessaloniki, Greece, September 1991, pp. 640-642.
- C2. N. Bassiliades, I. Vlahavas, "A Multiprocessor System for the Efficient Management of Large Knowledge Bases (in Greek)", *Proc. 6th Hellenic Physics Conference*, pp. 217-221, Xanthi, Greece, March 1993.
- C3. N. Bassiliades, I. Vlahavas, "A Multiprocessor Machine for the Parallel Management of an Active Object-Oriented DataBase (in Greek)", *Proc. 4th Hellenic Conference on Informatics*, pp. 501-512, Patra, Greece, December 1993.
- C4. S.M. Embury, P.M.D. Gray and N. Bassiliades, "Constraint Maintenance Using Generated Methods in the P/FDM Object-Oriented Database", in N.W. Paton and M.H. Williams (Eds.), *Rules in Database Systems: Proceedings of the 1st International Workshop on Rules in Database Systems, Edinburgh, Scotland, 30 August- 1 September 1993*, Workshops in Computing Series, British Computer Society & Springer-Verlag, 1994, pp. 364-381.
- C5. C. Maciazek, N. Bassiliades and I. Vlahavas, "Parallel Management of Large Deductive Databases in a Multi-Processor Environment", *Proc. 7th IEEE Mediterranean Electrotechnical Conference*, Melecon'94, Antalya, Turkey, April 1994, pp. 367-370.
- C6. N. Bassiliades and I. Vlahavas, "Modelling Constraints with Exceptions in Object-Oriented Databases", in P. Loucopoulos (Ed.), *Entity-Relationship Approach - ER '94, Business Modelling and Re-Engineering, 13th International Conference on the Entity-Relationship Approach, Manchester, United Kingdom, December 13-16, 1994, Proceedings*, Lecture Notes in Computer Science, Vol. 881, Springer-Verlag, 1994, pp. 189-204.
- C7. N. Bassiliades and I. Vlahavas, "A Non-Uniform Data Fragmentation Strategy for Parallel Main-Memory Database Systems", in *Proc. 21st International Conference on Very Large Data Bases*, Zürich, Switzerland, September 1995, pp. 370-381.
- C8. N. Bassiliades and I. Vlahavas, "A Deductive Object-Oriented Database System based on Active Rules", *Πρακ. βου Πανελληνίου Συνεδρίου Πληροφορικής*, Αθήνα, Δεκέμβριος 1997, pp. 180-189.
- C9. I. Vlahavas, N. Bassiliades, et al., "System Architecture of a Distributed Expert System for the management of a National Data Network", in *Proc. 8th International Conference on Artificial Intelligence AIMSA'98*, Sozopol, Bulgaria, September 1998, Springer-Verlag, Lecture Notes in Artificial Intelligence, Vol. 1480, F. Giunchiglia (ed.), pp. 438-451.
- C10. I. Refanidis, N. Bassiliades, I. Vlahavas, "AI Planning for Transportation Logistics", *Logistics from α to Ω: Strategies and Applications, Proc. 17th Int. Logistics Conf.*, Thessaloniki, October 2001, pp. 241-248.
- C11. N. Bassiliades, I. Vlahavas, F. Kokkoras, "Knowledge Management and Artificial Intelligence", in *Proc. Workshop for "Education of Informaticians and Industrial Mathematicians: New Challenges and Needs"*, Ohrid, FYROM, 2001, pp. 31-49.
- C12. N. Bassiliades and I. Vlahavas, "Intelligent Querying of Web Documents Using a Deductive XML Repository", in *Proc. 2nd Hellenic Conference on AI, SETN 2002*, Thessaloniki, Greece, April 2002, Springer-Verlag, LNAI, Vol. 2308, pp. 437-448.

- C13. D. Sampson, V. Papaioannou, N. Bassiliades, I. Vlahavas, "An Educational Metadata Management System using a deductive object-oriented database approach", *Proc. ED-MEDIA 2002 - World Conference on Educational Multimedia, Hypermedia & Telecommunications*, Denver Colorado, USA, June 24-29, p. 1727, 2002.
- C14. D. Vrakas, G. Tsoumakas, N. Bassiliades, I. Vlahavas, "Learning Rules for Adaptive Planning", *Proc. 13th Int. Conf. on Automated Planning and Scheduling (ICAPS 2003)*, Trento, Italy, June 9-13, pp. 82-91, 2003.
- C15. N. Bassiliades, I. Vlahavas, "A Knowledge-based Framework for Building Web Service Domains", *Proc. 9th Panhellenic Conference on Informatics (PCI'2003)*, pp. 331-345, Thessaloniki, Greece, November 2003.
- C16. G. Tsoumakas, D. Vrakas, N. Bassiliades, I. Vlahavas, "Using the k Nearest Problems for Adaptive Multicriteria Planning", *Proc. 3rd Hellenic Conference on Artificial Intelligence (SETN '04)*, G. Vouros and T. Panayiotopoulos (Eds.), Springer-Verlag, LNAI 3025, pp. 132-141, Samos, Greece, 2004.
- C17. F. Kokkoras, N. Bassiliades, I. Vlahavas, "Modelling Information Extraction Wrappers with Conceptual Graphs", *Proc. (2nd Volume) 3rd Panhellenic Conference on Artificial Intelligence (SETN'04)*, G. Vouros and T. Panayiotopoulos (Eds.), Samos, Greece, May 2004.
- C18. G. Tsoumakas, D. Vrakas, N. Bassiliades, I. Vlahavas, "Lazy Adaptive Multicriteria Planning", *Proc. 16th European Conference on Artificial Intelligence, ECAI 2004*, L. Saitta (Ed.), IOS Press, 2004.
- C19. G. Tsoumakas, G. Meditskos, D. Vrakas, N. Bassiliades, I. Vlahavas, "Web Services for Adaptive Planning", *Proc. ECAI04 Workshop on Planning and Scheduling: Bridging Theory to Practice*, D. Borrajo (Ed.), IOS Press, 2004.
- C20. N. Bassiliades, G. Antoniou, I. Vlahavas, "DR-DEVICE: A Defeasible Logic System for the Semantic Web", *Workshop on Principles and Practice of Semantic Web Reasoning (PPSWR04)*, Sebastian Schaffert (Ed.), Springer-Verlag, LNCS 3208, pp. 134-148, St Malo, France, Sept. 2004.
- C21. N. Bassiliades, I. Vlahavas, "R-DEVICE: A Deductive RDF Rule Language", *Third International Workshop on Rules and Rule Markup Languages for the Semantic Web (RuleML 2004)*, G. Antoniou, H. Boley (Ed.), Springer-Verlag, LNCS 3323, pp. 65-80, Hiroshima, Japan, Nov. 2004.
- C22. N. Bassiliades, G. Antoniou, I. Vlahavas, "A Defeasible Logic Reasoner for the Semantic Web", *Third International Workshop on Rules and Rule Markup Languages for the Semantic Web (RuleML 2004)*, G. Antoniou, H. Boley (Ed.), Springer-Verlag, LNCS 3323, pp. 49-64, Hiroshima, Japan, 8 Nov. 2004.
- C23. T. Skylogiannis, G. Antoniou, N. Bassiliades, "A System for Automated Agent Negotiation with Defeasible Logic-Based Strategies – Preliminary Report", *Third International Workshop on Rules and Rule Markup Languages for the Semantic Web (RuleML 2004)*, G. Antoniou, H. Boley (Ed.), Springer-Verlag, LNCS 3323, pp. 205–213, Hiroshima, Japan, November 8, 2004.
- C24. T. Skylogiannis, G. Antoniou, N. Bassiliades, G. Governatori, "DR-NEGOTIATE – A System for Automated Agent Negotiation with Defeasible Logic-Based Strategies", *Proc. IEEE International Conference on E-Technology, E-Commerce and E-Service*, pp. 44-49, Hong Kong, China, 2005.
- C25. G. Antoniou, T. Skylogiannis, A. Bikakis, N. Bassiliades, "DR-BROKERING – A Defeasible Logic-Based System for Semantic Brokering", *Proc. IEEE International Conference on E-Technology, E-Commerce and E-Service*, pp. 414-417, Hong Kong, China, 2005.
- C26. N. Bassiliades, E. Kontopoulos, G. Antoniou, I. Vlahavas, "A Graphical Rule Authoring Tool for Defeasible Reasoning in the Semantic Web", *Proc. 10th Panhellenic Conference on Informatics (PCI'2005)*, Volos, Greece, Nov 2005, Springer-Verlag, LNCS 3746, pp. 404-414, 2005.
- C27. G. Antoniou, T. Skylogiannis, A. Bikakis, N. Bassiliades, "A Deductive Semantic Brokering System", *Proc. 9th Int. Conf. on Knowledge-Based Intelligent Information & Engineering Systems, KES2005*, Melbourne, Australia, Sep 2005, Springer-Verlag, LNCS 3682, pp. 746-752, 2005.
- C28. E.V. Hatzikos, L. Anastasakis, N. Bassiliades, I. Vlahavas, "Applying neural networks with active neurons to sea-water quality measurements", *Proc. 2nd Int. Scientific Conf. on Computer Science*, IEEE Computer Society, Bulgarian Section, Chalkidiki, Greece, 30th Sep-2nd Oct 2005.
- C29. N. Bassiliades, E. Kontopoulos, G. Antoniou, "A Visual Environment for Developing Defeasible Rule Bases for the Semantic Web", *Proc. International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML-2005)*, Galway, Ireland, Nov. 2005, Springer-Verlag, LNCS 3791, pp. 172 - 186.
- C30. G. Meditskos, N. Bassiliades, "Towards an Object-Oriented Reasoning System for OWL", *Int. Workshop on OWL Experiences and Directions*, Nov. 2005, Galway, Ireland, 2005, online proceedings at: <http://www.mindswap.org/2005/OWLWorkshop/programme.shtml>.
- C31. N. Bassiliades, "Semantic Web: Vision and Technologies", invited paper at *2nd Int. Scientific Conf. on Computer Science*, IEEE Computer Society, Bulgarian Section, Chalkidiki, Greece, 30th Sep-2nd Oct 2005.
- C32. G. Meditskos, N. Bassiliades, "O-DEVICE: An Object-Oriented Knowledge Base System for OWL Ontologies", *Proc. 4th Hellenic Conference on Artificial Intelligence (SETN'06)*, G. Antoniou, G. Potamias, D. Plexousakis, C. Spyropoulos (Ed.), LNAI 3955, Springer-Verlag, Heraclion, Crete, 18-20 May 2006, pp. 256-266.
- C33. E. Kontopoulos, N. Bassiliades, "Graphical Representation of Defeasible Logic Rules using Digraphs", *Proc. 4th Hellenic Conference on Artificial Intelligence (SETN'06)*, G. Antoniou, G. Potamias, D. Plexousakis, C. Spyropoulos (Ed.), LNAI 3955, Springer-Verlag, Heraclion, Crete, 18-20 May 2006, pp. 529-533.

- C34. D. Vrakas, F. Kokkoras, N. Bassiliades, I. Vlahavas, "Towards Automatic Synthesis of Educational Resources through Automated Planning", *Proc. 4th Hellenic Conference on Artificial Intelligence (SETN'06)*, LNAI 3955, Springer-Verlag, Heraclion, Crete, 18-20 May 2006, pp. 421-431.
- C35. E. Kontopoulos, N. Bassiliades, G. Antoniou, "A Non-Monotonic Reasoning System for RDF Metadata", *11th Int. Workshop on Non-Monotonic Reasoning (NMR-06)*, Lake District area, UK, 30 May - 1 June, 2006, pp. 285-293, on-line proceedings at: http://www2.in.tu-clausthal.de/~tmbehrens/NMR_Proc_TR4.pdf
- C36. N. Bassiliades, E. Kontopoulos, G. Antoniou, "Visualizing Defeasible Logic Rules for the Semantic Web", *Proc. 1st Asian Semantic Web Conference (ASWC'06)*, Beijing, China, 3-7 Sep. 2006, Springer-Verlag, LNCS 4185, pp. 278-292.
- C37. E. Banos, I. Katakis, N. Bassiliades, G. Tsoumakas, I. Vlahavas, "PersoNews: A Personalized News Reader Enhanced by Machine Learning and Semantic Filtering", *Proc. 5th Int. Conf. on Ontologies, DataBases, and Applications of Semantics (ODBASE 2006 - OTM 2006)*, R. Meersman, Z. Tari et al. (Eds.), Montpellier, France, Oct. 29 - Nov. 3, 2006, Springer-Verlag, LNCS 4275, pp. 975-982.

Other Publications

- O1. N. Bassiliades, I. Vlahavas, "Capturing RDF Descriptive Semantics in an Object Oriented Knowledge Base System", Poster presented at *12th Int. WWW Conf. (WWW2003)*, 20-24 May 2003, Budapest, Hungary, on-line proceedings at: <http://www2003.org/cdrom/html/poster/index.html>.
- O2. N. Bassiliades, G. Antoniou, I. Vlahavas, "DR-DEVICE: A Defeasible Logic RDF Rule Language", Demonstration paper at *3rd International Semantic Web Conference (ISWC2004)*, 7-11 November 2004, Hiroshima, Japan. available on-line at: <http://iswc2004.semanticweb.org/demos/index.html>
- O3. N. Bassiliades, E. Kontopoulos, G. Antoniou, "VDR-DEVICE: A Visual Editor for a Defeasible Logic Rule-ML-compatible Rule Language", Demonstration paper at *4th International Semantic Web Conference (ISWC2005)*, Galway, Ireland, Nov. 2005.
- O4. G. Meditskos, E. Kontopoulos, N. Bassiliades, I. Vlahavas, "ISKP Group Report", *Semantic Web Factbook*, M. Lytras (Ed.), AIS SIGSEMIS and OPEN RESEARCH SOCIETY publications, ISSN: 1556-2301, pp. 33-40, 2006. available online at: http://www.sigsemis.org/newsandevents/news_item.2006-05-10.4580530563
- O5. G. Meditskos, E. Kontopoulos, N. Bassiliades, "Querying and Visualizing the Semantic Web", *Proc. 1st Annual SEERC Doctoral Student Conference*, Thessaloniki, Greece, July 10 2006.

6. References

There are 159 references in the literature to the above papers. The value of my h-index is 7.