Nick Bassiliades

Curriculum Vitae

1.   Personal Information

Date of birth	9/5/1969
Place of birth	Thessaloniki, Greece
Marital Status	Married with 2 children
Current Position	Full Professor
Affiliation/Address	School of Informatics, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece Tel: +302310997913, Fax: +302310998419 e-mail: nbassili@csd.auth.gr URL: http://intelligence.csd.auth.gr/people/bassiliades

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, School 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 School 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.)

Professional Positions	2018-now	Full Professor at the School of Informatics, Aristotle University of Thessaloniki, Greece
	2010-2018	Associate Professor at the School of Informatics, Aristotle University of Thessaloniki, Greece
	2017	Visiting Professor at the Computer Science Department, University of Cyprus
	2010-2016	Academic Co-ordinator of the School of Science and Technology, International Hellenic University, Thessaloniki, Greece
	2003-2010	Assistant Professor at the School of Informatics, Aristotle University of Thessaloniki, Greece
	1999-2003	Part-time Lecturer at the School of Informatics, Aristotle University of Thessaloniki, Greece
	2002-2003	Part-time Assistant Professor at the Department of Informatics, Technological and Educational Institute of Thessaloniki, Greece
	2000-2002	Part-time Lecturer at the Department of Computer Science, City Liberal Studies, Affiliated Institution of Sheffield University

Administrative Positions	2019-now	President of the steering committee for e-Government of AUTH
	2019-2021, 2023-now	Director of the Web, Data and Knowledge Engineering Department of the School of Informatics, AUTh
	2013-now	Director of the Interdisciplinary MSc Course on "Management and Information Systems"
	2011-2020	Head of the Department's Internal Evaluation (Quality Assurance) Committee

2. Research Activity

Research Interests	• Knowledge Representation & Reasoning (Rule-based systems, Logic programming, Defeasible Reasoning, Argumentation, Rule Markup Languages) • Semantic Web (Ontologies, Linked Open Data – Knowledge Graphs, Semantic Web Services) • Multi-agent systems (Reputation/trust, knowledge-based interaction: argumentation, negotiation, brokering) • Knowledge-based / Intelligent Agent Applications (e-Learning, e-Government, e-Commerce, Electric Vehicles, Commonsense reasoning) • eXplainable Artificial Intelligence (Interpretable Machine Learning, Explaining Description Logics Non-entailments, Neurosymbolic XAI, Argumentation and Explainability)

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)
	2006-2008	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)
	2006-2009	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 Technology - Cooperation with Non-Europe Countries, Australia)
	2006-2008	I-NET: Interoperability, Flexibility and Adaptiveness of Inter-Enterprise B2B Transactions (funded by the Greek General Secretariat for Research and Technology - Regional Innovation Pole of Central Macedonia)
	2006-2008	Enforcing Computing Science Curricula – workpackage "Developing a portal for the graduates of the School of Informatics" (funded by the Greek Ministry of Education).
	2007-2008	Study computing and networking infrastructure requirements of the International Hellenic University (funded by the Greek Ministry of Education through the International Hellenic University)
	2008-2010	IRIS: Integrated European Industrial Risk Reduction System – in cooperation with the Civil Engineering School of AUTH (funded by the European Union, FP7-NMP-2007-LARGE-1, CP-IP 213968-2)

2009-2010	A Semantic Web Architecture for Model based Safety Engineering – in cooperation with Gnomon Informatics SA and Ellidiss Technologies, France (funded by the European Space Agency, AO/1-5819/08/NL/CB)	
2009	Transformation of OWL ontologies into the CLIPS rule engine – Project leader (funded by the German company Blue Elephant Systems GmbH).	
2009-2010	Scientific consulting services for the CAST project (2nd phase) – Project leader - (funded by South-East European Research Centre– SEERC)	
2010	Development of a RuleML-based multi-agent environment - Project leader (funded by RuleML Inc)	
2010	Knowledge Management at the department of Human resources management : Stage 1. Representation and formalization of critical procedures - Project leader (Region of Central Macedonia)	
2010-2012	OPEN-SME: Open-Source Software Reuse Service for SMEs (funded by EU under the FP7 framework - FP7-SME-2008-2 / 243768)	
2012-2014	K-SWAN: An Interoperable Knowledge-based Framework for Negotiating Semantic Web Agents (funded by the Greek General Secretariat for Research and Development - bilateral Greece-Romania cooperation)	
2013-2016	PaaSport: A semantically-enhanced marketplace of interoperable platform-as-a-service offerings for the deployment and migration of business applications of SMEs (funded by EU, FP7-SME-2013 / 605193, Hosted by: IHU)	
2014-2016	CSSP: Catalogue of System and Software Properties, cooperation with EPFL, and Thales Alenia Space, France (funded by European Space Agency, 4000112344/14/NL/FE)	
2016-2019	ENCASE: ENhancing seCurity and privAcy in the Social wEb (EU, H2020-MSCA-RISE-2015 / 691025)	
2017-2020	European PhD Hub (EU, Erasmus+, 588220-EPP-1-2017-1-LU-EPPKA2-KA)	
2017-2021	ABC IV Framework Contract (EU, subcontractor of KPMG + CGI consortium)	
2018-2020	Sboing4Real: Development of crowdsourcing technologies for geo-social networking and advanced satellite navigation in real-time (Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 - EPAnEK)	
2018-2021	AI4EU: A European AI On Demand Platform and Ecosystem (EU, H2020-ICT-26-2018)	
2020-2021	Systems' Requirement Engineering Based On Semantics (ESPA, EDBM103)	
2021-2023	Systems Requirements Formalization for Automotive Systems (Huawei)	
2022-2023	Industry 4.0 Technologies for Production Scheduling and Logistics Management for Building and Insulation Materials (ESPA, Central Macedonia)	
2022	NLP4StatRef: Methodological support on advanced methods for accessing, ingesting and linking textual information using semantic analysis and natural language processing (Eurostat)	
2022-2025	ENCRYPT: A Scalable And Practical Privacy-Preserving Framework (EU, HORIZON-CL3-2021-CS-01)	
2023-2026	ONCODIR: Evidence-based Participatory Decision Making for Cancer Prevention through implementation research (EU, HORIZON-MISS-2022-CANCER-01-01)	

3.   Scientific Activities

Journal Editorial Board	Dec 2014 - now	International Journal of Information Retrieval Research, IGI Global Publishers
	Sep 2016 - now	International Journal of Artificial Intelligence, CESER Publications
	Feb 2023 - now	International Journal on Artificial Intelligence Tools, World Scientific Publishing
Journal Special Issue Guest Editor	Nov 2010	IEEE Transactions on Knowledge and Data Engineering, special issue on "*Rule Representation, Interchange and Reasoning in Distributed, Heterogeneous Environments*".
	April 2010	International Journal on AI Tools (IJAIT), special issue on "*Artificial Intelligence Techniques for Pervasive Computing*".
	Feb 2010	International Journal of Environmental Engineering and Management Journal (EEMJ), special issue on "*Artificial Intelligence Applications in Environmental Protection*".

	Dec 2011	International Journal on AI Tools (IJAIT), special issue on "*Intelligent Distributed Systems*"
	April 2015	International Journal on AI Tools (IJAIT), special issue on "*AI Techniques for Web Intelligence, Mining and Semantics*"
	Dec 2017	Journal of Advances in Building Energy Research (ABER), special issue on "*Artificial Intelligence Techniques for the Smart Grid*"
	June 2018	International Journal on AI Tools (IJAIT), special issue on "*Best Papers from the 9th Hellenic Conference on Artificial Intelligence*"
	Nov 2019	Sensors Journal, special issue on "*Trends and Advances in Ambient Intelligence for the Internet of Things*"
	June 2021	SN Computer Science journal, special issue on "*Advances in Multi-agent Systems Research: EUMAS 2020 Extend-ed Selected Papers*"
Paper Reviewer[1] (*in addition to being a conference program committee member*)	1997-	The Computer Journal
	1997-	Information & Software Technology
	1999-	Data & Knowledge Engineering
	2001	2nd 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-	International Journal on Data Warehousing and Mining
	2004-	Journal of Systems and Software
	2004-	Journal of Web Semantics
	2005	10th Panhellenic Conference on Informatics 2005 (PCI2005)
	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
	2007-	IEEE Transactions on Knowledge and Data Engineering
	2007-	IEEE Computer
	2007-	Information Systems
	2007-	International Journal of Reasoning-Based Intelligent Systems
	2008	8th IEEE International Conference on Advanced Learning Technologies (ICALT-2008)
	2009-	IEEE Transactions on Parallel and Distributed Systems
	2009-	International Journal of Engineering Intelligent Systems
	2010-	International Journal of Semantic Web and Information Systems
	2011-	IEEE Transactions on Services Computing
	2011-	Applied Artificial Intelligence
	2012-	International Journal on Artificial Intelligence
	2012-	International Journal of Software Engineering and Knowledge Engineering
	2012-	Journal of Computer Networks and Communications
	2013-	International Journal of Knowledge and Learning
	2013-	Future Internet
	2013-	Journal of Software Engineering and Applications
	2013-	Semantic Web Journal
	2013-	Journal of Knowledge and Information Systems
	2013-	Electronics and Telecommunications Research Institute (ETRI) Journal
	2013-	Artificial Intelligence Review
	2013-	Expert Systems With Applications
	2013-	Computing and Informatics
	2014-	International Journal of Distributed Sensor Networks
	2014-	IEEE Transactions on Software Engineering
	2015-	Computer Communications
	2015-	International Journal of Information Retrieval Research
	2015-	Theory and Practice of Logic Programming
	2015-	IEEE Transactions on Intelligent Transportation Systems
	2016-	Journal of Ambient Intelligence and Smart Environments
	2016-	Information Processing and Management
	2016-	Discrete Dynamics in Nature and Society

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[1] My reviewer profile at Web of Science can be found at: https://www.webofscience.com/wos/author/record/437285

	2016-	Evolving Systems	
	2016-	IEEE Transactions on Smart Grid	
	2017-	Expert Systems	
	2018-	Pervasive and Mobile Computing	
	2018-	Journal of Ambient Intelligence and Humanized Computing	
	2018-	International Journal of Modelling and Simulation	
	2018-	WIREs Data Mining and Knowledge Discovery	
	2018-	Forecasting	
	2021-	Knowledge-Based Systems	
	2021-	Data Mining and Knowledge Discovery	
	2021-	Telematics and Informatics	
	2021-	Applied Sciences	
	2021-	World Wide Web	
	2021-	Machine Learning	
	2021-	Algorithms	
	2022-	IEEE Access	
	2022-	Journal of Intelligent & Fuzzy Systems	
	2022-	Information Sciences	
	2022-	Information	
	2023-	IEEE Reviews in Biomedical Engineering	
	2023-	Computers in Industry	
	2023-	International Journal of Human-Computer Interaction	
	2023-	IEEE Intelligent Systems	
	2023-	The Knowledge Engineering Review	
Conference Organizing Committee	2002	2nd Hellenic Conference on Artificial Intelligence (SETN-02)	
	2008	2008 International RuleML Symposium on Rule Interchange and Applications (RuleML-2008) – *Program Committee Co-chair*	
	2009	5th IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI 2009) – *Workshop Chair*	
	2009	First Workshop on Artificial Intelligence Applications in Environmental Protection (AIAEP 2009) – *co-chair*	
	2010	6th Hellenic Conference on Artificial Intelligence (SETN 2010) – *PC Area chair*	
	2011	The 5th International RuleML Symposium on Rules (RuleML-2011) – *Program Committee Co-chair*	
	2012	24th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2012), November 7-9, 2012, Athens, Greece - *Publicity Chair*	
	2014	4th International Conference on Web Intelligence, Mining and Semantics (WIMS'14), 2-4 June 2014, Thessaloniki, Greece - *Program Committee Co-chair*	
	2014	18th East-European Conference on Advances in Databases and Information Systems, September 7-10, 2014, Ohrid, FYROM - *PhD Consortium chair*	
	2014	15th International Conference on Web Information System Engineering (WISE 2014), Thessaloniki, Greece, 12-14 October 2014 - *Local Organizing Committee Chair*	
	2015	9th International Web Rule Symposium (RuleML-2015), August 3-5, 2015, Berlin, Germany - *Program Committee Co-chair*	
	2015	Workshop on Ontologies and Knowledge Bases WOKB 2015, co-located with 7th Balkan Conference in Informatics (BCI 2015), 2-4 September 2015, Craiova, Romania – *Workshop co-chair*	
	2016	9th Hellenic Conference on Artificial Intelligence (SETN 2016), May 18-20, 2016 - Thessaloniki, Greece - *Program Committee Co-chair*	
	2016	Workshop on Artificial Intelligence for the Smart Grid (AI4SG), May 18-20, 2016 - Thessaloniki, Greece - *Workshop co-chair*	
	2017	RuleML+RR: International Joint Conference on Rules and Reasoning (RuleML+RR 2017), 12-15 July 2017, London UK - *Sponsorship Chair*	
	2017	13th International Conference on ICT in Education, Research, and Industrial Applications: Integration, Harmonization, and Knowledge Transfer (ICTERI 2017), May 15-18, 2017, Kyiv, Ukraine - *Program Committee Co-chair*	
	2017	16th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2017), October 24-25, 2017, Rhodes, Greece - *Program Committee Co-chair*	
	2018	European Joint Conferences on Theory and Practice of Software (ETAPS 2018), 14-21 April 2018, Thessaloniki, Greece - *Workshop co-Chair*	
	2019	3rd International Joint Conference on Rules and Reasoning (RuleML+RR 2019), 16-19 September 2019, Bolzano, Italy - *Publicity chair*	
	2020	17th European Conference on Multi-Agent Systems (EUMAS-2020), 14-15 September 2020, virtual due to COVID19 – *Conference Chair*	
Summer School Organizing Committee	2009	1st Hellenic Artificial Intelligence Summer School (HAISS-2009), Thessaloniki, Greece, 24–27 August 2009	

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, 30th Sep-2nd Oct 2005
	2005	1st 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	4th 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)
	2007	IADIS International Conference e-Society 2007
	2007	1st International Symposium on Intelligent and Distributed Computing (IDC 2007)
	2007	IEEE 3rd International Conference on Intelligent Computer 2007 (ICCP 2007)
	2007	19th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2007)
	2007	Twentieth Australian Joint Conference on Artificial Intelligence (AI 2007)
	2007	International RuleML Symposium on Rule Interchange and Applications (RuleML-2007)
	2008	IADIS International Conference e-Society 2008
	2008	10th International Conference on Enterprise Information Systems (ICEIS 2008)
	2008	5th Hellenic Conference on Artificial Intelligence (SETN-2008)
	2008	2008 International Conference on Artificial Intelligence and Pattern Recognition (AIPR-08)
	2008	2nd International Symposium on Intelligent Distributed Computing (IDC 2008)
	2008	2nd International Workshop on E-Marketplace Integration & Interoperability (EM2I'08), in conjunction with 2008 IEEE International Conference on e-Business Engineering (ICEBE 2008)
	2008	1st International Workshop on Collective Semantics: Collective Intelligence & the Semantic Web (CISWeb 2008), hosted by the 5th European Semantic Web Conference (ESWC 2008)
	2008	2nd East European Workshop on Rule-based Applications (RuleApps2008), collocated with ECAI 2008
	2008	Artificial Intelligence Techniques in Software Engineering Workshop (AISEW 2008), collocated with ECAI 2008
	2008	2nd East European Workshop on Rule-based Applications (RuleApps2008), collocated with ECAI 2008
	2008	5th European Semantic Web Conference (ESWC 2008)
	2008	20th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2008)
	2009	6th European Semantic Web Conference (ESWC 2009)
	2009	11th International Conference on Enterprise Information Systems (ICEIS 2009)
	2009	3rd International Symposium on Intelligent Distributed Computing (IDC 2009)
	2009	2nd Workshop on Artificial Intelligence techniques in Software Engineering (AISEW 2009) collocated with AIAI-2009
	2009	IEEE International Conference on e-Business Engineering (ICEBE 2009)
	2009	1st International Workshop on Semantic Web Information Management (SWIM 2009)
	2009	3rd International Workshop on E-Marketplace Integration & Interoperability (EM2I'09), in conjunction with ICEBE 2009
	2009	3rd East European Workshop on Rule-based Applications (RuleApps2009)
	2009	3rd International RuleML Symposium on Rules, Applications and Interoperability (RuleML-2009)
	2010	4th International Symposium on Intelligent Distributed Computing (IDC 2010)
	2010	7th Extended Semantic Web Conference (ESWC 2010), Ontologies and Reasoning track
	2010	2nd International Workshop on Semantic Web Information Management (SWIM 2010)
	2010	The 2010 International Workshop on Web-scale Knowledge Representation, Retrieval, and Reasoning (Web-KR3 2010)
	2010	6th IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI 2010)
	2010	7th IEEE International Conference on e-Business Engineering (ICEBE 2010), Integration and Collaboration Track
	2010	2010 International Workshop on E-Marketplace Integration & Interoperability (EM2I'10)
	2010	23rd Australasian Joint Conference on Artificial Intelligence (AI2010)
	2010	2nd International Conference on Software, Services & Semantic Technologies (S3T'2010)
	2010	3nd Workshop on Artificial Intelligence techniques in Software Engineering (AISEW 2010)
	2011	7th IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI 2011)
	2011	5th International Symposium on Intelligent Distributed Computing (IDC 2011)

2011	3rd International Workshop on Semantic Web Information Management (SWIM 2011)
2011	Workshop on Agents and Multi-agent systems for Enterprise Integration (PAAMS 11)
2011	3rd International Conference on Software, Services & Semantic Technologies (S3T'2011)
2012	6th International Symposium on Intelligent Distributed Computing (IDC 2012)
2012	6th International Symposium on Rules: Research Based and Industry Focused (RuleML-2012)
2012	7th Hellenic Conference on Artificial Intelligence (SETN2012)
2012	4th International Workshop on Semantic Web Information Management (SWIM 2012)
2012	3rd International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2012)
2012	6th International Symposium on Intelligent Distributed Computing (IDC 2012)
2012	3rd IIAI International Conference on e-Services and Knowledge Management (IIAI ESKM 2012)
2012	2nd International Workshop on Semantic Search Over the Web (SSW 2012)
2012	24th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2012)
2012	2nd International Scientific Conference of Students and Young Scientists on Theoretical and Applied Aspects of Cybernetics (TAAC-2012)
2013	17th Panhellenic Conference on Informatics (PCI 2013)
2013	9th IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI 2013)
2013	5th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI 2013)
2013	7th International Symposium on Intelligent Distributed Computing (IDC 2013)
2013	14th International Conference on Web Information Systems Engineering (WISE 2013)
2013	7th International Web Rule Symposium (RuleML 2013)
2013	3rd International Workshop on Semantic Search over the Web (SSW2013)
2013	5th International Workshop on Semantic Web Information Management (SWIM2013)
2014	International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS 2014)
2014	8th International Symposium on Intelligent Distributed Computing (IDC 2014)
2014	8th International Web Rule Symposium (RuleML-2014)
2014	8th Hellenic Conference on Artificial Intelligence (SETN 2014)
2014	20146th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI2014)
2014	6th International Workshop on Semantic Web Information Management (SWIM 2014)
2014	4th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2014)
2014	21st European Conference on Artificial Intelligence (ECAI 2014)
2014	3rd International Workshop on Agent Technology, Power Systems and Energy Markets (IATEM 2014)
2014	26th International Conference on Tools with Artificial Intelligence (ICTAI 2014)
2014	18th Panhellenic Conference on Informatics (PCI 2014)
2014	4th International Workshop on Semantic Search over the Web (SSW2014)
2014	15th International Conference on Web Information System Engineering (WISE 2014)
2015	5th International Conference on Web Intelligence, Mining, and Semantics (WIMS 2015)
2015	5th International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS 2015)
2015	9th International Symposium on Intelligent Distributed Computing 2015 (IDC 2015)
2015	15h International Conference on Web Engineering – Demos and Posters
2015	11th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2015)
2015	3rd International Workshop on Multi-agent Based Applications for Smart Grids and Sustainable Energy Systems (MASGES 2015)
2015	2015 Panhellenic Conference on Informatics (PCI2015)
2015	7th International Conference on Computational Collective Intelligence Technologies and Applications (ICCCI-2015)
2015	11th Reasoning Web Summer School (RW2015)
2016	6th International Workshop on Combinations of Intelligent Methods and Applications (CIMA-16)
2016	Fifth International Workshop on Intelligent Agent Technology, Power Systems, and Energy Markets (IATEM-2016)
2016	8th International Conference on Computational Collective Intelligence (ICCCI 2016)
2016	12th International Conference on ICT in Education, Research, and Industrial Applications (ICTERI 2016)
2016	10th International Symposium on Intelligent Distributed Computing (IDC-2016)
2016	2016 International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2016)
2016	10th International Web Rule Symposium (RuleML-2016)

2016	1st International Workshop on Semantic Web Technologies for Mobile and Pervasive Environments (SEMPER2016)
2016	6th International Conference on Web Intelligence, Mining and Semantics (WIMS'16)
2016	1st International Workshop on Semantic Change & Evolving Semantics (SuC-CESS'16)
2016	2nd Workshop on Artificial Intelligence and Internet of Things (AI-IoT 2016)
2016	7th EAI International Conference on Big Data Technologies and Applications (BDTA2016)
2017	15th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'17)
2017	8th Balkan Conference in Informatics 2017 (BCI2017)
2017	1st Workshop of Internet of Things, Process Modelling and Microservices (IoTM'17)
2017	11th International Symposium on Intelligent Distributed Computing (IDC 2017)
2017	7th International Workshop on Linked Web Data Management (LWDM 2017)
2017	9th International Conference on Computational Collective Intelligence (ICCCI 2017)
2017	2nd International Workshop on Mining and REasoning with Legal texts (MIREL 2017)
2017	7th International Conference on Web Intelligence, Mining and Semantics (WIMS'17)
2017	RuleML+RR: International Joint Conference on Rules and Reasoning (RuleML+RR 2017)
2017	21st Panhellenic Conference on Informatics (PCI 2017)
2018	8th International Conference on Web Intelligence, Mining and Semantics (WIMS 2018)
2018	16th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'18)
2018	2018 IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA 2018)
2018	International Joint Conference on Rules and Reasoning (RuleML+RR 2018)
2018	10th Hellenic Conference on Artificial Intelligence (SETN'18)
2018	2nd Workshop on Semantic Web Technologies in Mobile and Pervasive Environments (SEMPER 2018), in conjunction with the 15th Extended Semantic Web Conference (ESWC 2018)
2018	17th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2018)
2018	27th International Joint Conference on Artificial Intelligence and 23rd European Conference on Artificial Intelligence (IJCAI-ECAI 2018)
2018	8th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2018)
2018	31st international conference on Legal Knowledge and Information Systems (JURIX2018)
2019	33rd AAAI Conference on Artificial Intelligence (AAAI 2019)
2019	9th International Conference on Web Intelligence, Mining and Semantics (WIMS-2019)
2019	28th International Joint Conference on Artificial Intelligence (IJCAI 2019)
2019	13th International Symposium on Intelligent Distributed Computing (IDC 2019)
2019	23rd International Database Engineering & Applications Symposium (IDEAS 2019)
2019	17th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'19)
2019	17th International Conference on Artificial Intelligence and Law (ICAIL 2019)
2019	23rd Pan-Hellenic Conference on Informatics (PCI 2019)
2019	8th International Workshop on Methods, Evaluation, Tools and Applications towards a Data-driven e-Society (Meta4eS'19)
2019	18th Web Intelligence conference (WI'19)
2020	34th AAAI Conference on Artificial Intelligence (AAAI 2020)
2020	18th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS '20)
2020	29th International Joint Conference on Artificial Intelligence and the 17th Pacific Rim International Conference on Artificial Intelligence (IJCAI-PRICAI 2020)
2020	17th IEEE International Conference on e-Business Engineering (ICEBE 2020)
2020	RuleML+RR 2020 Doctoral Consortium
2020	11th Hellenic Conference of Artificial Intelligence (SETN 2020)
2020	10th International Conference on Web Intelligence, Mining and Semantics (WIMS'2020)
2020	Workshop on IoT infrastructures for safety in pervasive environments (IOT4SAFE2020), co-located with 17th European Semantic Web Conference (ESWC 2020)
2021	9th International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2021)
2021	19th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'21)
2021	RuleML+RR Doctoral Consortium 2021
2022	4th Summit on Gender Equality in Computing - Poster Session: Research and Profession in Computing (GEC22)
2022	20th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'22)
2022	15th Intelligent Distributed Computing Symposium IDC'22 (IDC2022)
2022	6th International Joint Conference on Rules and Reasoning (RuleML+RR 2022)

	2022	12th EETN Conference of Artificial Intelligence (SETN 2022)
	2023	Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI-2023)
	2023	19th International Conference on Artificial Intelligence and Law (ICAIL 2023)
	2023	1st Workshop on "Knowledge Graphs for Semantics-driven Systems Engineering", co-located with CAiSE 2023
	2023	16th International Conference on Knowledge Science, Engineering and Management (KSEM 2023)
	2023	21st International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS'23)
	2023	RuleML+RR Doctoral Consortium 2023, co-located with Declarative AI 2023
	2023	International Symposium on AI, Data and Digitalization (SAIDD 2023)
	2023	5th Summit on Gender Equality in Computing (GEC 2023)
	2023	1st World Conference on eXplainable Artificial Intelligence (XAI 2023)
	2023	20th European Conference on Multi-Agent Systems (EUMAS 2023)
	2023	2023 IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT '23)
	2024	38th AAAI Conference on Artificial Intelligence (AAAI-24)
	2024	2nd Workshop on Argumentation for eXplainable Artificial Intelligence (ArgXAI-24)
	2024	European University Information Systems Congress 2024 (EUNIS 2024)
	2024	18th International Conference On Innovations In Intelligent Systems And Applications (INISTA 2024)
	2024	Knowledge Graphs for Semantics-driven Systems Engineering Workshop@CAISE24 (KG4SDSE)
	2024	2nd World Conference programme committee on eXplainable Artificial Intelligence (XAI-2024)
Invited Speaker	2005	"Semantic Web: Vision and Technologies", *2nd International Scientific Conference on Computer Science*, Chalkidiki, Greece, 30th Sep-2nd Oct, IEEE Computer Society, Bulgarian Section
	2012	"Agents and Knowledge Interoperability in the Semantic Web Era", tutorial at 2nd International Conference on Web Intelligence, Mining and Semantics (WIMS' 12), Craiova, Romania, 13-15 June 2012
	2014	ICTERI-2014: 10th International Conference on ICT in Education, Research, and Industrial Applications, scheduled 9-12 June 2014, Kherson, Ukraine (*cancelled due to Ukraine crisis*)
	2016	"Trust and reputation models among agents", 6th International Conference on Integrated Information (IC-ININFO), Sep 19-22, 2016, Athens, Greece.
	2017	"Collecting University Rankings for Comparison using Web Information Extraction & Semantic Entity Linking", University of Cyprus, Nicosia, Cyprus, 23 March 2017
	2017	"Rule-Based Trust Among Agents Using Defeasible Logic", RuleML Webinar, 31 March 2017
	2017	"Web Information Extraction, Semantic Entity Identification and Linking, Cyprus University of Technology, Limassol, Cyprus, 10 April 2017
	2017	"Semantic Technologies for the Web of Linked Data", Summer School "Usable Security and Privacy in Online Social Networks", 17-21 July, 2017, Limassol, Cyprus.
	2019	"Knowledge Extraction, Identification and Linking from the Web", AME Programmatic: K-EMERGE, Scientific Workshop/Technical Review Panel, 9th September 2019, Singapore
	2022	"Using Argumentation for Explaining AI Systems' Decisions", 1st International Workshop on Argumentation for eXplainable AI (ArgXAI 2022), Cardiff, UK, 12th September 2022
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	4th 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)
	2007	10th International Conference on Engineering Applications of Neural Networks (EANN'2007)
	2007	IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2007)
	2010	11th International Conference on Electronic Commerce and Web Technologies (EC-Web 2010)
	2012	6th International Symposium on Rules (RuleML-2012)
	2014	15th International Conference on Web Information System Engineering (WISE 2014)
	2017	6th International Workshop on Methods, Evaluation, Tools and Applications for the Creation and Consumption of Structured Data for the e-Society (Meta4eS' 17 – OTM 2017)

	2017	16th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE 2017 – OTM 2017)
	2018	2nd International Joint Conference on Rules and Reasoning (RuleML+RR 2018)
	2019	18th Web Intelligence conference (WI'19)
	2022	6th International Joint Conference on Rules and Reasoning (RuleML+RR 2022)
	2022	14th International Conference on Knowledge Engineering and Ontology Development (KEOD 2022)
Scientific Working Groups	2006	Working group on "The Semantic Web and the New Generation of E-Business" of the Greek eBusiness Forum
	2008-	Defeasible Logic in RuleML (Defeasible RuleML) Technical Group - *Co-Chair*
Project Evaluator		Agency for Science, Technology and Research (A*STAR), Singapore
		Fonds National de la Recherche, Luxemburg
		Natural Sciences and Engineering Research Council, Canada
		European Coordinated Research on Long-term Challenges in Information and Communication Sciences & Technologies ERA-Net (CHIST-ERA), led by French National Research Agency (ANR)
		Austrian Science Fund (FWF)
		New Zealand Ministry of Business, Innovation, and Employment (MBIE)
		Czech Science Foundation
		Higher Education, Research, Development and Innovation Funding (UEFISCDI), Romania
		Swiss National Science Foundation (SNSF)
		Greek General Secretariat of Research and Technology (GSRT)
		Science Fund of the Republic of Serbia
		National Science Center, Poland
		Cineca Consortium of Universities, Italy
		Latvian Council of Science
Scientific Associations Membership	1992-	Greek Physics Society (GPS)
	1993-	Greek Computer Society (ΕΠΥ)
	2000-	Hellenic Association for Artificial Intelligence (EETN)
	1993-	IEEE & IEEE Computer Society
	1996-	ACM & ACM SIGAI
	2008-	The Rule Markup Initiative (RuleML) - *director*

4. Educational Experience

2018-now	Full Professor at the School of Informatics, AUTH (Courses: Computational Logic & Logic Programming, Knowledge Systems, Semantic Web, Intelligent Agents, Economic Processes in the Web)
2010-2018	Associate Professor at the School of Informatics, AUTH (Courses: Knowledge Management, plus all the above)
2003-2010	Assistant Professor at the School of Informatics, AUTH (Courses: C & Unix, plus all the above)
2012-2017, 2022-2023	Visiting Faculty on "Knowledge Management in the Web" at the MSc in ICT Systems at the International Hellenic University
2016	Invited Lectures on Multiagent Systems at the MSc in "Advanced Design: Innovation and Transdisciplinarity in Architectural Design" at the School of Architecture, AUTH
2005-2011	Visiting Faculty on "Intelligent Systems" at the MSc in Managerial Information Systems of University of Macedonia
1999-2003	Part-time lecturer at the School 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 School 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 have supervised 6 PhD students at my School and I have been a member of the supervising committee of 36 PhD students (10 at other School of AUTH and/or Greek Universities). I am currently the main supervisor of 4 PhD candidates at the School of Informatics (AUTH) and I am a member of the supervising committee of 11 other PhD candidate at the School of Informatics (AUTH). I have been a member of the viva committee of 24 PhD candidates at the School of

Informatics (AUTH) and of 12 PhD candidates at other School of Greek Universities. I have been an external reviewer for the PhD thesis proposal of a PhD candidate at a British University (University of Aberdeen) and an external reviewer for the PhD Thesis of 2 PhD candidates at Australian Universities (University of Queensland, Griffith University) and in the viva committee of 3 PhD candidates at British Universities (1 at the University of Southampton, 2 at the University of Huddersfield) and 1 PhD candidates at the Technical University of Dublin, Ireland.

I have also supervised 2 postdoctoral researchers at the School of Informatics (AUTH).

BSc / MSc Theses

I have supervised 81 BSc theses at the School of Informatics (AUTH), 40 MSc Theses at the School of Informatics (AUTH), 32 MSc Theses at the MSc in "Management and Information Systems" of the School of Informatics and Economics of AUTH, 3 MSc Theses at the MSc in "Managerial Information Systems" of the University of Macedonia and 7 MSc Theses at the MSc in ICT Systems of the International Hellenic University. I have been an external examiner for 1 MSc thesis for the National University of Ireland, Galway and 1 MSc thesis for the University of Cyprus.

5.   Publications

I have published 2 theses, and 227 papers (81 journal papers, 145 conference papers), 5 books, 11 edited volumes, 17 book chapters, 7 journal special issue editorials, 1 book review, and 9 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, School 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 – 3rd edition*" (in Greek), University of Macedonia Press, ISBN 978-960-8396-64-7, 2011.
B4.   Sakellariou, I., Vasileiadis, N., Kefalas, P., Stamatis, D., 2015. *Logic Programming Techniques*. [ebook] Athens:Hellenic Academic Libraries Link. Available Online at: http://hdl.handle.net/11419/777.
B5.   I. Vlahavas, P. Kefalas, N. Bassiliades, F. Kokkoras, I. Sakellariou, "*Artificial Intelligence – 4th edition*" (in Greek), University of Macedonia Press, ISBN 978-618-5196-44-8, 2020.

Edited Volumes

E1.   N. Bassiliades, G. Governatori, A. Paschke (Eds.), "*Rule Representation, Interchange and Reasoning on the Web*", Proceedings of the 2008 International Symposium on Rule Interchange and Applications (RuleML-2008), Orlando, Florida, USA, 30-31 Oct. 2008, Springer, LNCS, Vol. 5321, 2008, ISBN: 978-3-540-88807-9.
E2.   N. Bassiliades (Ed.), "*AIAI 2009 Workshops Proceedings*", Proceedings of the Workshops of the 5th IFIP Conference on Artificial Intelligence Applications & Innovations(AIAI-2009), Thessaloniki, Greece, April 23-25, 2009, CEUR Workshop Proceedings, Vol. 475, http://ceur-ws.org/Vol-475, ISSN 1613-0073.
E3.   N. Bassiliades, G. Governatori, A. Paschke (Eds.), "*Rule-Based Reasoning, Programming, and Applications*", Proceedings of 5th International Symposium, RuleML 2011 – Europe, Barcelona, Spain, 19-21 July 2011, Springer, LNCS, Vol. 6826, 2011, ISBN: 978-3-642-22545-1.
E4.   R. Akerkar, N. Bassiliades, J. Davies, V. Ermolayev (Eds.), Proceedings of the 4th International Conference on Web Intelligence, Mining and Semantics (WIMS14), 2-4 June 2014, Thessaloniki, Greece, ACM, New York, USA, 2014, ISBN: 978-1-4503-2538-7.
E5.   N. Bassiliades, M. Ivanovic, M. Kon-Popovska, Y. Manolopoulos, Th. Palpanas, G. Trajcevski, A. Vakali (Eds.), "*New Trends in Database and Information Systems II*", Selected papers of the 18th East European Conference on Advances in Databases and Information Systems and Associated Satellite Events, ADBIS 2014, Ohrid, Macedonia, September 7-10, 2014, Proceedings II, Advances in Intelligent Systems and Computing, Vol. 312, 2015, ISBN: 978-3-319-10517-8.
E6.   N. Bassiliades, G. Gottlob, F. Sadri, A. Paschke, D. Roman, (Eds.), "*Rule Technologies: Foundations, Tools, and Applications*", Proceedings of 9th International Symposium, RuleML 2015, Berlin, Germany, August 2-5, 2015, Lecture Notes in Computer Science 9202, Springer 2015, ISBN 978-3-319-21541-9.
E7.   N. Bassiliades, P. Fodor, A. Giurca, G. Gottlob, T. Kliegr, G. J. Nalepa, M. Palmirani, A. Paschke, M. Proctor, D. Roman, F. Sadri, N. Stojanovic, (Eds.), *Joint Proceedings of the 9th International Rule Challenge, the Special Track on Rule-based Recommender Systems for the Web of Data, RuleML2015 Industry Track and the 5th RuleML Doctoral Consortium*, Berlin, Germany, August 2-5, 2015, CEUR Workshop Proceedings, Vol. 1417, http://ceur-ws.org/Vol-1417/, ISSN 1613-0073.

E8.   N. Bassiliades, A. Bikakis, D. Vrakas, I. Vlahavas, G. Vouros (Eds.). Proceedings of the 9th Hellenic Conference on Artificial Intelligence (SETN '16), 18-20 May 2016, Thessaloniki, Greece, ACM, New York, USA, 2016, ISBN: 978-1-4503-3734-2.

E9.   V. Ermolayev, N. Bassiliades, H.-G. Fill, V. Yakovyna, H. C. Mayr, V. Kharchenko, V. Peschanenko, M. Shyshkina, M. Nikitchenko, A. Spivakovsky (Eds.): *ICT in Education, Research and Industrial Applications: Integration, Harmonization and Knowledge Transfer. Proc. 13th Int. Conf. ICTERI 2017*, Kyiv, Ukraine, May 15-18, 2017, CEUR-WS.org, vol. 1844, http://ceur-ws.org/Vol-1844

E10.   N. Bassiliades, A. Bikakis, S. Costantini, E. Franconi, A. Giurca, R. Kontchakov, Th. Patkos, F. Sadri, W. Van Woensel (Eds.): *Proceedings of the Doctoral Consortium, Challenge, Industry Track, Tutorials and Posters @ RuleML+RR 2017*, hosted by International Joint Conference on Rules and Reasoning 2017 (RuleML+RR 2017), London, UK, July 11-15, 2017, CEUR-WS.org, vol. 1875, http://ceur-ws.org/Vol-1875/

E11.   N. Bassiliades, G. Chalkiadakis, D. de Jonge, (Eds.), *Multi-Agent Systems and Agreement Technologies: 17th European Conference, EUMAS 2020, and 7th International Conference, AT 2020*, Thessaloniki, Greece, September 14-15, 2020, Revised Selected Papers, Lecture Notes in Artificial Intelligence, Vol. 12520, pages 608, Springer, 2021, ISBN 978-3-030-66412-1.

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. Hatzi, N. Bassiliades, D. Anagnostopoulos, I. Vlahavas, "A Visual Programming Tool for Designing Planning Problems for Semantic Web Service Composition", *Visual Languages for Interactive Computing: Definitions and Formalizations*, F. Ferri (ed.), Chapter 15, pp. 302-326, Idea Group Publishing, October 2007.

A8.   E. Kontopoulos, N. Bassiliades, G. Antoniou, "Visual Development of Defeasible Logic Rules for the Semantic Web", *Visual Languages for Interactive Computing: Definitions and Formalizations*, F. Ferri (ed.), Chapter 14, pp. 273-301, Idea Group Publishing, October 2007.

A9.   G. Meditskos, N. Bassiliades, "Rule-based OWL Ontology Reasoning Systems: Strengths and Weaknesses", In *Handbook of Research on Emerging Rule-Based Languages and Technologies: Open Solutions and Approaches*, Adrian Giurca, Dragan Gasevic, Kuldar Taveter, Eds., Chapter VI, Information Science Reference, ISBN 978-1-60566-402-6, May 2009.

A10.   I. Savvas, N. Bassiliades, K. Kravari, G. Meditskos, "An Ontological Business Process Modeling Approach for Public Administration: The Case of Human Resource Management", In *Handbook of Research on E-Business Standards and Protocols: Documents, Data and Advanced Web Technologies*, Chapter 33, Ejub Kajan, Frank-Dieter Dorloff and Ivan Bedini, Eds., pp. 725-753, IGI Global, 2012.

A11.   E. Ziaka, D. Vrakas, N. Bassiliades, "Web Service Composition Plans in OWL-S", in *Agents and Artificial Intelligence*, J. Filipe and A. Fred (Eds.), Communications in Computer and Information Science (CCIS), Vol. 271, Springer Berlin Heidelberg, pp. 240–254, 2013. (**Post-conference book chapter version of [C71]**).

A12.   N. Alechina, N. Bassiliades, M. Dastani, M. de Vos, B. Logan, S. Mera, A. Morris-Martin, F. Schapachnik, "Computational Models for Normative Multi-Agent Systems", in *Normative Multi-Agent Systems. Dagstuhl Follow-Ups*, Vol. 4, ISBN 978-3-939897-51-4, Eds: G. Andrighetto, G. Governatori, P. Noriega, L. W.N. van der Torre, pp. 71–92, 2013.

A13.   D. Angelides, Y. Xenidis, N. Bassiliades, E. Loukogeorgaki, A. Taflanidis, D. Vrakas, S. Arnaouti, G. Meditskos, "The Development of a New Framework for Managing Risks in the European Industry: The IRIS RISK PARADIGM", in *Industrial Safety and Life Cycle Engineering: Technologies / Standards / Applications*, IRIS Project, VCE, 2013.

A14.   A. Tsadiras, N. Bassiliades, "Using RuleML for Representing and Prolog for Simulating Fuzzy Cognitive Maps", in *Fuzzy Cognitive Maps for Applied Sciences and Engineering*, Springer, Intelligent Systems Reference Library, Volume 54, 2014, pp 65-87.

A15.   N. Bassiliades, "Collecting University Rankings for Comparison Using Web Extraction and Entity Linking Techniques", V. Ermolayev et al. (Eds.): *ICTERI 2014*, CCIS 469, pp. 1–24, Springer International Publishing Switzerland, 2014.

A16.   K. Arvanitis, N. Bassiliades, "Real-Time Investors' Sentiment Analysis from Newspaper Articles", in *Advances in Combining Intelligent Methods*, Intelligent Systems Reference Library, Volume 116, pp. 1-23, Springer, 2017.

A17.   N. Bassiliades, I. Sakellariou, P. Kefalas, "Demonstrating Multiple Prolog Programming Techniques through a Single Operation", In: Warren, D.S., Dahl, V., Eiter, T., Hermenegildo, M.V., Kowalski, R., Rossi, F. (eds), *Prolog: The Next 50 Years*, Lecture Notes in Computer Science, vol. 13900, Springer, Cham, 2023. https://doi.org/10.1007/978-3-031-35254-6_6

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. https://doi.org/10.1016/0169-023X(94)00028-D

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. https://doi.org/10.1080/10637199508915480

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. https://doi.org/10.1016/0020-0255(95)00092-4

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. https://doi.org/10.1016/0167-8191(96)00031-2

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. https://doi.org/10.1016/S0950-5849(96)01155-X

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. https://doi.org/10.1016/S0169-023X(97)00006-2

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. https://doi.org/10.1109/69.877511

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. https://doi.org/10.1109/5254.988459

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. https://doi.org/10.1177/146045820100700317

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. https://doi.org/10.1109/TKDE.2003.1232272

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. https://doi.org/10.1007/s10619-004-0087-z

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, pp. 183-200, 2005. https://doi.org/10.3727/109830505774297274

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. http://dx.doi.org/10.4018/jswis.2006010101

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. http://dx.doi.org/10.4018/jswis.2006040102

J16.   G. Antoniou, T. Skylogiannis, A. Bikakis, M. Doerr, N. Bassiliades, "DR-BROKERING: A Semantic Brokering System", *Knowledge-Based Systems*, Elsevier Science, Vol. 20, No. 1, pp. 61-72, 2007. https://doi.org/10.1016/j.knosys.2006.07.006

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*", Vol. 1, Nos. 1/2, pp. 159-170, 2007. https://dx.doi.org/10.1504/IJTCS.2007.014217

J18.   T. Skylogiannis, G. Antoniou, N. Bassiliades, G. Governatori, A. Bikakis, "DR-NEGOTIATE – A System for Automated Agent Negotiation with Defeasible Logic-Based Strategies", *Data & Knowledge Engineering*, Elsevier Science, Vol. 63, No. 2, pp. 362-380, 2007. https://doi.org/10.1016/j.datak.2007.03.004

J19.   E. Hatzikos, N. Bassiliades, L. Asmanis, I. Vlahavas, "Monitoring Water Quality through a Telematic Sensor Network and a Fuzzy Expert System", *Expert Systems*, Blackwell, 24(3), pp. 143-161, July 2007. https://doi.org/10.1111/j.1468-0394.2007.00426.x

J20.   E. Kontopoulos, D. Vrakas, F. Kokkoras, N. Bassiliades, I. Vlahavas, "An Ontology-based Planning System for e-Course Generation", *Expert Systems with Applications*, Elsevier Science, Vol. 35, No. 1-2, pp. 398-406, 2008. https://doi.org/10.1016/j.eswa.2007.07.034

J21.   G. Meditskos, N. Bassiliades, "A Rule-based Object-Oriented OWL Reasoner", *IEEE Transactions on Knowledge and Data Engineering*, Vol. 20, No. 3, pp. 397-410, 2008. https://doi.org/10.1109/TKDE.2007.190699

J22.   I. Katakis, G. Tsoumakas, E. Banos, N. Bassiliades, I. Vlahavas, "An Adaptive Personalized News Dissemination System", *Journal of Intelligent Information Systems*, Springer, Vol. 32, No. 2, pp. 191–212, 2009. https://doi.org/10.1007/s10844-008-0053-8

J23.   E. Kontopoulos, N. Bassiliades, G. Antoniou, "Deploying Defeasible Logic Rule Bases for the Semantic Web", *Data & Knowledge Engineering*, Elsevier Science, Vol. 66, No. 1, pp. 116-146, July 2008. https://doi.org/10.1016/j.datak.2008.02.005

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6.   References

According to Google Scholar[2] (last access 23/1/2023) there are 5903 citations for my published papers and my h-index is 36.

7.   Distinctions / Awards

- Paper C70 has received Best Paper Award at the 4th International Web Rule Symposium (RuleML 2010).
- Paper C74 was selected among the 2 best of the 5th International Symposium on Rules: Research Based and Industry Focused (RuleML-2011@IJCAI) and was presented at IJCAI-2011 at the Large Track of Best Papers from Sister Conferences.
- Paper C86 has received Best Challenge Demo Award at the 6th International Rule Challenge of the 6th International Symposium on Rules: Research Based and Industry Focused (RuleML-2012@ECAI).
- Paper C98 has received RuleML Challenge Runner-up Award at the 8th International Rule Challenge of the 8th Web Rule Symposium (RuleML-2014, collocated with ECAI-2014).

- Paper J42 was among the most cited articles[3] of the journal Expert Systems with Applications[4]. The same paper was[5] among the most downloaded articles of the same journal.
- Paper J58 was distinguished from the Elsevier publishing company, as it was featured as an exceptional work through a news article[6] that was published at the journal's website with aim to promote research with positive environmental-social impact.
- Paper C127 has received the Best Paper Award at the 4th International Conference on Logic and Argumentation (CLAR 2021).
- Included in the Stanford/Elsevier's Top 2% Scientist Rankings for career-long performance, at the October 2023 (version 6) update[7].

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