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Education

- B.Sc. degree in Physics at the University of Thessaloniki GR (1982)
- Ph.D. degree in Computer Science at the University of Thessaloniki GR (1988), "Development of a Logic Programming Machine"

Positions

Past

- Lecturer, assis. Prof., assoc. Prof. in the School of Informatics at the Aristotle University of Thessaloniki (1990-2003)
- Visiting professor at Purdue University, Indiana, USA
- Director of the [Joint Postgraduate Course](#) in «Informatics and Management», (2005-2013)
- Member of the steering committee of the [Dept. of Bioinformatics, Univ. of Thessaly](#) (2006-2011)
- Member of the National Council of Research and Technology (ESET), (2008-2011 and 2014-2015)
- Member of the National Council for Electronic Commerce, (2006-2008)
- Chair of the Board of the [Hellenic Artificial Intelligence Society](#) (EETN), (2011-2012)
- Member of the steering committee of the [International Hellenic University of Greece](#) and Dean of the [School of Science and Technology](#), (2007-2016)

Current

- Professor in the [School of Informatics](#) at the Aristotle University of Thessaloniki (2003 - today)
- Director of [SOFTWISE](#) Lab (School of Informatics, Aristotle University of Thessaloniki)
- Head of [Intelligent Systems](#) Group (School of Informatics, Aristotle University of Thessaloniki)
- Chair of the [School of Informatics](#) at the Aristotle Univ. of Thessaloniki (2003-2005 & 2013-today)

Scientific Activities

- Chairman of the [2nd Hellenic Conference on Artificial Intelligence](#), 2002
- Co-Chair of the [2nd International Summer School on AI Planning](#), 2002
- Guest Editor of the [Special issue on Knowledge Discovery from Distributed Information Sources](#), Journal of Information Sciences, 2003
- Member of the editorial board of the International Journal on Artificial Intelligence Tools ([IJAIT](#))
- Program Chair, 2nd ADBIS Workshop on Data Mining and Knowledge Discovery, ADMKD'2006
- Workshop co-chair, European Conference on Artificial Intelligence 2008 ([ECAI'08](#))
- Chairman, 1st Hellenic Artificial Intelligence Summer school ([HAISS09](#)), August 2009
- Workshop co-chair, [19th International Conference on Automated Planning and Scheduling](#), ICAPS'09
- General Co-chair, 5th IFIP International Conference on Artificial Intelligence Applications and Innovations ([AIAI'2009](#))

- Organizing chair, International Conference on Artificial Neural Networks ([ICANN 2010](#))
- Guest Editor, special issue on "[Artificial Intelligence Techniques for Pervasive Computing](#)", International Journal on AI Tools (IJAIT), World Scientific, 2010
- General Chair of [24th IEEE International Conference on Tools with AI](#), November 2012
- General co-Chair of [17th Panhellenic Conference on Informatics](#) , PCI 2013
- General co-Chair of the [9th Hellenic Conference on Artificial Intelligence](#), SETN 2016
- Member of the organizing committee that submitted in 2006 the proposal to host IJCAI 2011 in Thessaloniki, Greece
- Program Committee member in numerous international conferences (ECAI, ECML/PKDD, ICAPS, ICTAI, ICAART, ICANN, SETN, ADBIS, AIAI, PETRA, BIBE, etc)
- Member of:
 - Greek Computer Society
 - IEEE Computer Society
 - The Association for Logic Programming (ALP)
 - Hellenic Artificial Intelligence Society (vice chairman 2002-2004, chairman 2011-2012)

Books

- "The Programming Language Pascal", 1991 (in Greek)
- "[Parallel Object-Oriented and Active Knowledge Base Systems](#)", Kluwer Academic Publishers, 1998
- "[Parallel and Constraint Logic Programming](#)", Kluwer Academic Publishers, 1998
- "[Intelligent Techniques for Planning](#)", IDEA Group Publishing, 2004
- "[Artificial Intelligence for Advanced Problem Solving Techniques](#) ", IDEA-Group Publishing, 2008.
- "[Artificial Intelligence](#)", 3rd edition, 2011 (in Greek)

Courses

<u>Past</u>	<u>Current</u>
• Programming	• Artificial Intelligence
• Computer Architecture	• Machine Learning
• Logic Programming (Prolog)	• Decision Support Systems
• Knowledge Based Systems	
• Intelligent Autonomous Systems	

Research interests

- **Logic Programming Systems**
 - Parallel & Constraint Logic Programming
- **Planning**
 - Heuristic, Parallel, Multi-Objective
 - Planning with Constraints
- **Knowledge Representation & Reasoning**
 - Knowledge Base Systems
 - Semantic Web
 - Knowledge Management
- **Machine Learning / Data Mining**
 - Distributed Data Mining
 - Text Mining
 - Mining Biological Data
 - Reinforcement Learning
- **Intelligent Applications**
 - Expert Systems
 - Decision Support Systems
 - e-Learning, e-Commerce, e-Business

PhD Theses

I have supervised successfully 12 PhD students at the Dept. of Informatics (AUTH).

- [Nick Bassiliades](#), Prof., 1998, "Parallel Knowledge Base Systems"
- [Ioannis Refanidis](#), Prof., 2001, "Heuristic State-Space Planning"
- [Dimitris Vrakas](#), Prof., 2004, "Intelligent Planning Systems"
- [Grigorios Tsoumakas](#), Prof., 2005, "Machine Learning for the Fusion of Multiple, Distributed Intelligent Systems"
- [Fotis Kokkoras](#), Tech. Prof., 2006, "Intelligent Retrieval and Extraction using Conceptual Graphs"
- [Christos Berberidis](#), Tech. Prof., 2007, "Knowledge Discovery from Sequential and Transactional Data"
- [Ioannis Katakis](#), 2009, "Machine Learning for Automated Text Classification"
- [Ioannis Partalas](#), 2009, "Reinforcement Learning Methods in Agent Systems"
- [George Tzanis](#), 2011, "Knowledge Discovery from Biological Data"
- [Eleftherios Spyromitros-Xioufis](#), 2016, "Machine Learning Methods for Predicting Multiple Response Variables"
- [Anestis Fachantidis](#), 2016, "Knowledge Transfer in Reinforcement Learning"
- [Ioannis Kavakiotis](#), 2016, "Knowledge Discovery from Biological Data"

I have been a member of the supervising committee of more than 20 PhD students and currently I am a member of the supervising committee of 4 other PhD candidates (from AUTH and other Greek Universities).

Projects

I have been involved in more than 30 research and development projects, leading most of them. Indicative List:

- Semantic Indexing and Question Answering over Big Data, Funding: Private sector, [Atypon Systems](#) Incorporated (2012-current)
- PaaSport: A semantically-enhanced marketplace of interoperable platform-as-a-service offerings for the deployment and migration of business applications of SMEs - FP7-SME-2013 / 605193. (2013-2016)
- GCPS - Daily consumption prediction for the Gas Supply Company of Thessaloniki and Thessaly, Funding: Private sector, 2014-2015.
- MasCardInfo - A customer segmentation system for the marketing department of a big retail company, Funding: Private sector, Masoutis S.A. (2014 - 2015)
- BusGrid: An integrated system for productivity and customer service improvement in the Public Transportation Companies. Prediction of bus passenger demand. Funded by the Greek R&D General Secretariat, PABET (2014 - 2015)
- Smart IHU - Funded by Operational Program Education and Lifelong Learning, OPS200056 (International Hellenic University, Thessaloniki, Greece). (2010 - 2011)
- I-NET: Interoperability, Flexibility and Adaptiveness of Inter-Enterprise B2B Transactions. Funded by the Greek General Secretariat for Research and Technology.
- SWIM: Development of an Intelligent System for the management of Semantic Web Services. (Funded by Greek R&D general secretariat.

For a complete list, please visit <http://intelligence.csd.auth.gr/projects>

Papers

- Author or co-author of more than 280 articles in scientific journals, conference proceedings and book chapters in the research fields mentioned above.
- According to [Google Scholar](#) the above papers have been cited more than 7400 times by other researchers (h-index of 40).
- See also my profile at [Semantic Scholar](#) and [dblp:Vlahavas](#)
- Publish or Perish, gives similar results

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