

# Ourania HATZI

## *Personal & Contact Information*

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Date of Birth: March 27, 1983

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## *Education*

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- 2005 - 2009:** PhD, Department of Informatics and Telematics, Harokopio University of Athens, Greece. Title: "Web Service Composition through AI Planning"
- 2004 - 2008:** MSc in Advanced Information Systems, Department of Informatics and Telecommunications, National and Kapodistrian University of Athens, Greece
- 2000 - 2004:** BSc in Computer Science, Department of Informatics, Aristotle University of Thessaloniki, Greece

## *Teaching Experience*

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- 2009 - 2010:** Adjunct Lecturer (Π.Δ. 407/80) for the courses "Systems Programming" and "Artificial Intelligence", as well as part of the courses "Introduction to Programming" (C) and "Programming I" (C), Department of Informatics and Telematics, Harokopio University of Athens
- 2009 - 2010:** Adjunct Lecturer (Π.Δ. 407/80) for the laboratory of the course "Programming II" (Java), Department of Informatics and Telematics, Harokopio University of Athens
- 2008 - 2009:** Adjunct Lecturer (Π.Δ. 407/80) for the laboratories of the courses "Introduction to Programming" (C), "Programming I" (C) and "Programming II" (Java), Department of Informatics and Telematics, Harokopio University of Athens

- 2007 - 2008:** Lab assistant for the course "Programming I" (C), Department of Informatics and Telematics, Harokopio University of Athens
- 2005 - 2007:** Professor's assistant for the course "Software Development", Department of Informatics and Telecommunications, National and Kapodistrian University of Athens
- 2004 - 2005:** Lab assistant for the class "Computer Programming" (C), Department of Chemistry, National and Kapodistrian University of Athens

## ***Research Interests***

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- Semantic Web
- Automated Semantic Web Service Composition
- AI Planning
- Modeling and Simulation of Vehicle Traffic Flow

## ***Research Projects***

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- "Development of Intelligent system for Managing Web Services on the Semantic Web», PENED 2003 (November 2005 – November 2008).
- "Advanced Research on Modelling and Simulation", Pythagoras Project (MIS 89198), EPEAEK (2005-2007).
- "Main Support of the Educational Task", Undergraduate Studies Programmes of Harokopio University, EPEAEK (March 2005 – August 2005).

## ***Publications***

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1. Ourania Hatzi, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "Semantic Awareness in Automated Web Service Composition through Planning", 6th Hellenic Conference on Artificial Intelligence (SETN 2010), Springer, LNCS Vol. 6040, Athens, Greece, May 2010.
2. Ourania Hatzi, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "A Visual Programming System for Automated Problem Solving", accepted for publication in Expert Systems with Applications, Elsevier, Vol. 37 (6), pp. 4611-4625, 2010.
3. Ourania Hatzi, George Meditskos, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "PORSCE II: Using Planning for Semantic Web Service Composition", 3rd International Competition on Knowledge Engineering for Planning and Scheduling 2009 (ICKEPS2009), in conjunction with the International

- Conference on Automated Planning and Scheduling (ICAPS-09), Roman Bartak, Simone Frattini, Lee McCluskey (Ed.), pp. 38-45, Thessaloniki, Greece, September 2009.
4. Ourania Hatzi, George Meditskos, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "Semantic Web Service Composition using Planning and Ontology Concept Relevance", The IEEE / WIC / ACM International Conference on Web Intelligence (WI'09), pp. 418-421, Milan, Italy, September 2009.
  5. Ourania Hatzi, George Meditskos, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "A Synergy of Planning and Ontology Concept Ranking for Semantic Web Service Composition", 11th Ibero-American Conference on Artificial Intelligence (IBERAMIA 2008), H. Geffner et al. (Ed.), Springer-Verlag, LNAI 5290, pp. 42-51, Lisbon, Portugal, October 2008.
  6. Dimitris Vrakas, Ourania Hatzi, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis 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.), Idea Group Publishing, pp. 302 - 326, 2008.
  7. Ourania Hatzi, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "VLEPpO: A Visual Language for Problem Representation", 26th Workshop of the UK Planning and Scheduling Special Interest Group (PlanSIG 2007), Roman Bartak (Ed.), pp. 60 - 66, Prague, Czech Republic, December 2007.
  8. Ourania Hatzi, Dimitris Vrakas, Nick Bassiliades, Dimosthenis Anagnostopoulos, Ioannis Vlahavas, "Visual Representation of Web Service Composition Problems through VLEPpO", International Workshop on Intelligent Web Based Tools (IWBT07), in conjunction with the 19th IEEE International conference on Tools with Artificial Intelligence (ICTAI07), Juan D. Velasquez (Ed.), pp. 42 - 49, Patras, Greece, October 2007.
  9. Ourania Hatzi, Stephanos Thomas, Vassilis Dalakas, Mara Nikolaidou, Dimosthenis Anagnostopoulos, "An Integrated Environment for Traffic Flow Simulation Using Cellular Automata", European Simulation Multiconference 2007 (ESM 2007), Eurosis, Malta, October 2007.
  10. Ourania Hatzi, Stephanos Thomas, Vassilis Dalakas, Mara Nikolaidou, Dimosthenis Anagnostopoulos, "A Cellular Automata Framework for Studying Expandable Traffic Flow Models", Summer Simulation Conference (SCSC-2007), San Diego, California, July 2007.
  11. Ioannis Giannopoulos, Ourania Hatzi, Mara Nikolaidou, Dimosthenis Anagnostopoulos, "Realistic Virtual Environments Navigable over the WWW", Summer Simulation Conference (SCSC-2007), San Diego, California, July 2007.

## ***Program Committees***

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- IADIS International Conference WWW/INTERNET 2009
- IADIS International Conference WWW/INTERNET 2010