

# Eirini Kaldeli

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## Education

2007–now: PhD student at the Distributed Systems group, Institute of Mathematics and Computing Science, University of Groningen, Netherlands.

2006–2007: MSc Artificial Intelligence with Distinction. School of Informatics, University of Edinburgh, United Kingdom. *Specialization*: Knowledge Representation and Reasoning.

*MSc thesis*: Investigating formal representations of PIN Block Attacks.

*Advisors*: Prof. Alan Bundy, Dr. Graham Steel.

2000–2006: Diploma in Electrical and Computer Engineering, National Technical University of Athens (NTUA), Greece.

*Diploma Thesis*: Training SVMs for sentiment classification of text.

*Advisors*: Prof. Timos Sellis, Dr. Georgios Paliouras.

*GPA*: 8.62/10

2000: Graduation from the 1st General Senior High School of Amfissa, Greece. *Grade*: 19.6/20.

## Awards-Fellowships

Jim Howe Artificial Intelligence Prize 2007. Awarded to the student with the best performance in the MSc AI at the School of Informatics, University of Edinburgh.

Masters Training Pack studentship awarded by the Engineering and Physical Sciences Research Council (EPSRC) for the academic year 2006-2007.

## Publications

Continual Planning with Sensing for Web Service Composition. E. Kaldeli, A. Lazovik, M. Aiello. In *Proceedings of the 25th Conference of the American Association for Artificial Intelligence (AAAI)*, 2011. To appear.

Heterogeneous Device Discovery Framework for Smart Homes. E. U. Warriach, E. Kaldeli, J. Bresser, A. Lazovik, M. Aiello. In *6th IEEE GCC Conference and Exhibition*, 2011.

Interoperation, Composition and Simulation of Services at Home. E. Kaldeli, E. U. Warriach, J. Bresser, A. Lazovik, and M. Aiello. In *Proceedings of the 8th Int. Conf. on Service Oriented Computing (ICSOC)*, LNCS 6470/2010, Springer, 2010.

A tool for integrating pervasive services and simulating their composition. E.U. Warriach, E. Kaldeli, J. Bresser, A. Lazovik, and M. Aiello. In *Demo Session of the 8th Int. Conf. on Service Oriented Computing (ICSOC)*, 2010.

Extended Goals for Composing Services. E. Kaldeli, A. Lazovik, and M. Aiello. In *Proceedings of the 19th Int. Conf. on Automated Planning and Scheduling (ICAPS)*, AAAI Press 2009.

Planning in a Smart Home: Visualization and Simulation. A. Lazovik, E. Kaldeli, E. Lazovik, and M. Aiello. In *Application Showcase Proceedings of the 19th Int. Conf. on Automated Planning and Scheduling (ICAPS)*, 2009.

Using CSP for Adaptable Web Service Composition. E. Kaldeli. *Technical Report 09-7-01*, University of Groningen, 2009.

## Talks

Selectively:

AIC Seminars, Stanford Research Institute, USA, Dec 2010. Title: Domain-independent planning for composing services.

Oberseminar on Foundations of Artificial Intelligence, Sabancı University, Istanbul, Turkey, Apr 2010. Title: Coordinating services at Home.

Oberseminar on Foundations of Artificial Intelligence, University of Groningen, Netherlands, Apr 2009. Title: Towards an adaptable composition of Web Services.

Oberseminar on Foundations of Artificial Intelligence, University of Freiburg, Germany, Apr 2008. Title: A constraint-based approach to Web Service Composition.

## Academic Experience

Supervising student theses:

Executing service compositions. Author: Karsten Westra. University of Groningen, 2010.

Teaching Assistant:

Teaching assistant for the MSc course of Distributed Systems, University of Groningen, 2008–2010.

Laboratory assistant for the undergraduate courses of Computer Programming and Programming Techniques, National Technical University of Athens, 2004–2005.

## Practical Experience

Analyst, designer, and programmer for the SM4ALL EU STREP project, University of Groningen, 2009–2011.

Software design and development, Institute of Informatics and Telecommunications, National Centre for Scientific Research “Demokritos”, Athens, Greece, 2005–2006.

## Computer-related Skills

Programming languages: Java (expert), Scala, Prolog (good), C, Lisp, Pascal, Fortran (knowledgeable)

Service-oriented technologies (such as OSGi, UPnP, REST etc.)

XML and related languages (XML-Schema, WSDL)

Model Checking and Theorem Proving: PRISM, Promela/SPIN, Isabelle/Isar

Ontologies: OWL, Protégé

## Summer Schools

Summer School on Automated Planning and Scheduling, Sep 2009, Thessaloniki, Greece.

International PhD School in Theory and Practice of Business Process Execution and Service Orientation (BPESO), Oct 2007, IT University of Copenhagen.

## Language skills

Greek: mother tongue

English: fluent (Cambridge Certificate of Proficiency)

German: good (Kleines Deutsches Sprachdiplom)

French: basic

## References

Prof. Marco Aiello, University of Groningen, Netherlands.

Dr. Graham Steel, Laboratoire Spécification et Vérification, ENS-Cachan, France.

Prof. Timos Sellis, Institute for the Management of Information Systems, Athens, Greece.