

Vasiliki Efstathiou BSc, MSc, PhD

CONTACT DETAILS **Address:** 7 Makedonomachou Prantouna Street, 11525, Athens, Greece
E-mail: vefstathiou@csri.gr

RESEARCH EXPERIENCE **Cognitive Systems Research Institute**, Athens, Greece **Sept 2013 - time**
Research Associate.

Institute for Language and Speech Processing (ILSP/ATHENA R.C.) **Sept 2013 - time**
Research Associate.

Centre for Research and Technology Hellas, Thessaloniki, Greece **Feb 2012 - June 2013**
Postdoctoral Research Fellow. Member of the Information Technologies Institute Multimedia Knowledge Lab.

University College London, London, UK **Jan 2007 - Jan 2010**
Research Associate. Member of the Computer Science Department Intelligent Systems group.

RESEARCH PROJECTS **POETICON ++** **Sept 2013 - time**
Robots need Language: a Computational Mechanism for Generalisation and Generation of new Behaviours in Robots (FP7 ICT-STREP).

Dem@Care **Feb 2012 - June 2013**
Dementia Ambient Care: Multi-Sensing Monitoring for Intelligent Remote Management and Decision Support (FP7 ICT-IP).

Argumentation Factory **Jan 2007 - Jan 2010**
Algorithms and Software for Industrial Strength Inconsistency Tolerance (EPSRC).

TEACHING EXPERIENCE **University College London** London, UK **Oct 2007-Jan 2010**
Teaching assistant to the following courses of the Computer Science department

- Introduction to programming (1st year undergraduate)
- Object oriented programming (1st year undergraduate)
- Theory 1 (1st year undergraduate)

EDUCATION **University College London**, London, UK **Jan 2007 - Dec 2010**
PhD in Computer Science

- PhD thesis title: 'Algorithms for computational argumentation in artificial intelligence'. Supervised by Prof A.Hunter.

University College London, London, UK **Sept 2005 - Sept 2006**
MSc in Computer Science

- MSc thesis title: 'A logic based argumentation system for decision support'. Supervised by Prof A.Hunter.

University of Crete, Crete, Greece **Sept 2000 - Jan 2005**
Undergraduate degree in Mathematics

Affiliate student at the department of Mathematics.

CONFERENCES
ATTENDED

- 11th IEEE International Conference on Pervasive Computing and Communications (PerCom), San Diego, USA, March 2013.
- 10th European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU), Verona, Italy, July 2009.
- 20th European Summer School in Logic, Language and Information (ESLLI), Hamburg, Germany, August 2008.
- 2nd International Conference on Computational Models of Argument (COMMA), Toulouse, France, May 2008.
- 5th International Symposium on Foundations of Information and Knowledge Systems (FoIKS), Pisa, Italy, February 2008.

INVITED TALKS

- *Computational argumentation frameworks*. Cognitive Systems Research Institute, Athens. May 31st, 2013
- *Logic-based argumentation systems: an overview*. ITI Lectures, CERTH. May 16th, 2012.
- *Algorithms for effective argumentation in classical propositional logic*. UCL-ICL joint Argumentation workshop. Imperial College London. December 3rd, 2007.

COMPUTING SKILLS

- Programming Languages: Java, SQL
- Semantic Technologies: RDF, OWL, SWRL, SPARQL
- Development Environments: Eclipse, Protégé, TopBraid
- Operating Systems: Linux and Windows

LANGUAGES

Greek, native
English, fluent
French, competent
Spanish, competent

PUBLICATIONS

1. G. Meditskos, S. Dasiopoulou, V. Efstathiou and I. Kompatsiaris. Ontology Patterns for Complex Activity Modelling. In *7th International Web Rule Symposium (RuleML'13)*:144-157.
2. G. Meditskos, S. Dasiopoulou, V. Efstathiou and I. Kompatsiaris. SP-ACT: A Hybrid Framework for Complex Activity Recognition Combining OWL and SPARQL Rules. In *10th IEEE Workshop on Context Modeling and Reasoning. (IEEE PerCom Workshops 2013)*: 25-30.
3. V. Efstathiou and A. Hunter. Algorithms for generating arguments and counterarguments in propositional logic. In *International Journal of Approximate Reasoning*, pages 672-704, volume 52, number 6, Elsevier, 2011.
4. V. Efstathiou and A. Hunter. JArgue: An implemented argumentation system for classical propositional logic (software demo). In *International Conference on Computational Models of Argument (COMMA'10)*, 2010. http://www.ing.unibs.it/comma2010/demos/Efstathiou_etal.pdf
5. V. Efstathiou and A. Hunter. An Algorithm for Generating Arguments in Classical Predicate Logic. In *Symbolic and Quantitative Approaches to Reasoning with Uncertainty (ECSQARU'09)*, pages 119-130, volume 5590, LNCS, Springer, 2009.
6. V. Efstathiou and A. Hunter. Focused search for arguments from propositional knowledge. In *International Conference on Computational Models of Argument (COMMA'08)*. Frontiers in Artificial Intelligence and Applications, pages 159-170, volume 172, IOS Press, 2008.

7. V. Efstathiou and A. Hunter. Algorithms for Effective Argumentation in Classical Propositional Logic: A Connection Graph Approach. In *Foundations of Information and Knowledge Systems (FoIKS'08)*, pages 272-290, volume 4932, LNCS, Springer 2008.