

Curriculum Vitae

Personal information

Surname / First name **Dimitrakis Panagiotis**

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Work experience

Apr. 2011 – Onward Research assistant
Embodied Language Processing Department, Cognitive Systems Research Institute (CSRI)

Apr. 2007 – Mar. 2011 Research assistant
Natural Language and Knowledge Extraction Department, Institute for Language and Speech Processing (ILSP) / R.C. "Athena"

Aug. 2004 – Aug. 2005 Book borrowing supervisor and secretarial support
Secretariat and library of the Language Department of the Philology Faculty of UOA

Aug. 2003 – Nov. 2003 Administrator employ
Directorate of Cultural Buildings and Restoration of Contemporary Monuments, Hellenic Ministry of Culture

Dec. 1999 – Apr. 2001 Distribution and advertisement supervisor
Sales Promotion Center.

Military service

Fulfilled military service as artillery soldier specializing on "artillery topography" and on "analyzing and programming IT systems".

Research projects

2011 – Onward **"Poeticon++"**
Robots need Language: A computational mechanism for generalisation and generation of new behaviours in robots – Funded by EC-FP7-ICT-2011-7
<http://www.poeticon.eu>

- Design and implementation of an embodied language parser to allow semantic role labelling and mapping to concepts of words in a verbal command.
- Design and implementation of a embodied reasoning mechanism be used by a robotic agent in everyday tasks.
- Enrichment of the PRAXICON concept world using human verbal reports from cognitive experiments.
- Design and implement a similarity mechanism for judging similarity of words or concepts.

2008 – 2010 **"Poeticon"**
The Poetics of Everyday Life: Grounding Resources and Mechanisms for Artificial Agents – Funded by EC-FP7-ICT-2007-1

- Extraction of concepts and semantic relationships from multimedia resources
- Extraction of concepts and semantic relations from a corpus
- Enrichment of the PRAXICON concept world.
- Statistical analysis of cognitive experiments data
- Project webpage creation

- 2008 **Internal project**
- Creation of a word and phrase dictionary for machine translation with the use of a pivot language Greek-English-Spanish, with the use of Giza++ package
- 2007 **"Interreg"**
- Community initiative which aims to stimulate interregional cooperation in the EU
www.interreg3c.net
- Creation of a translation memory for machine translation Greek-Bulgarian
 - Creation of a morphological lexicon for Bulgarian

Education

- Feb. 2003 – Jul. 2006 **MSc in Language Technology**
- School of Electrical and Computer Engineering of the National Technical University of Athens, Division of Signals, Control and Robotics
 School of Philosophy of the National and Kapodistrian University of Athens, Faculty of Philology, Department of Linguistics
 Institute for Language and Speech Processing (ILSP)
 Thesis title: *"Automatic extraction of bilingual lexicon from parallel corpora and methods of word sense disambiguation for lexical transfer "*
 Supervisor: m. Stilianos Piperidis
 Thesis grade: "Excelent" - 10/10
 MSc grade: "Excellent" - 9.42/10
- Sep. 1997 – Jun. 2003 **Graduate degree in Mathematics**
- National and Kapodistrian University of Athens, School of Science, Faculty of Mathematics
 Applied Mathematics
 Degree grade: "Good" - 6.4/10

Publications

- 2014 "Acquisition of object knowledge through Exploratory Acts", Vataki A., Pastra K. and Dimitrakis P., 15th International Multisensory Research Forum (IMRF) 2014, Amsterdam, NL.
- 2011 "Embodied Language Processing: a new generation of language technology", Pastra K., Balta E., Dimitrakis P., Karakatsiotis G., in Proceedings of the AAAI 2011 International Workshop on "Language-Action Tools for Cognitive Artificial Agents: Integrating Vision, Action and Language", San Francisco, USA.
- 2010 "PRAXICON and its language-related modules", Pastra K., Dimitrakis P., Balta E. and Karakatsiotis G., In 6th Hellenic Conference on Artificial Intelligence – SETN 2010, May 2010, Athens Greece.
- 2009 "The Dialectic of Image and Word in Greek Cartoons", Pastra K., Balta E., Dimitrakis P., Badavanou E. and Latha M., John S. Latsis Public Benefit Foundation, Projects 2009.
- 2005 "Lexical transfer selection using annotated parallel corpora", Piperidis S., Dimitrakis P., Balta I., In 5th International Conference on Recent Advances in Natural Language Processing – RANLP 2005, September 2005, Borovets, Bulgaria, John Benjamins ed. pp. 227-236

Training

- 24-27 Aug. 2009 Participation in the 1st Greek Summer School for Artificial Intelligence – HAIS 09
 Hellenic Artificial Intelligence Society

Languages

- English Certificate of Proficiency in English (CPE) - The University of Cambridge

Technical skills and competences

Programming languages: Perl , Java , Visual Basic , Prolog
Client-side languages: HTML, CSS
Markup and Transformation languages: XML
Statistical translation tools: Giza++
Statistical analysis tools: SPSS