

# Sofia Stamou

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Dept. of Archives & Library Science  
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Computer Engineering & Informatics Dept.  
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## EDUCATION

**Post-Doc in Computational Linguistics** Mar. 2006–May 2008  
Computer Engineering and Informatics Department, Patras University, Greece Research  
Topic: “Web Search Personalization”

**Ph.D. in Computational Linguistics** Nov. 2003-Feb. 2006  
Computer Engineering and Informatics Department, Patras University, Greece  
Dissertation Title: “Managing the Web Content through the Use of Semantic Networks”

**Visiting Postgraduate Scholar** Oct. 2002-May 2003  
Department of Linguistics, University of California Los Angeles (UCLA)

**M.Sc. in Computational Linguistics** Oct. 2000-June 2002  
Computer Engineering and Informatics Department, Patras University, Greece  
Thesis Title: “Incorporating Natural Language Processing Techniques in an Information Retrieval System”

**Diploma in Linguistics** Oct. 1995-July 1999  
Department of Philosophy, University of Ioannina, Greece

## RESEARCH INTERESTS

Library Science  
Digital Libraries  
Language Technology  
Text Analysis  
Computational Lexicography  
Web Information Retrieval  
Semantics

## PROFESSIONAL EXPERIENCE

**Department of Archives and Library Science, Ionian University**

**06/2009 – present:** *Lecturer, Library Science: Standards and Systems for Processing and Organizing Assets*

**Computer Engineering and Informatics Department, Patras University, Greece**

**09/2006 – present:** *Senior Researcher* in the projects “Monitoring the user activity while searching the web”, “Implicit user feedback based on proxy log analysis for search personalization” and “Supervised classification of large web datasets”

**07/2003 – present:** *Grant / Proposal writer* for the eContent, IST, e-Learning and eContent-Plus programs of the European Commission

**07/2011 – 12/2011:** *Member* of the project “Promoting the Technical Academic Institution of the Ionian Islands into a Global Pole of Education and Innovation”, funded by the ESPA Program

**12/2007 – 06/2008:** *Member* of the project “Reorganizing and Improving the Undergraduate courses: Introduction to Databases I and II”, funded by the EPEAEK Program

**07/2007 – 01/2009:** *Coordinator* of the project “Enriching Lexicographic resources with Semantic Information”, funded by the BSEC Organization.

**04/2006 – 08/2008:** *Senior Researcher* in the project “Design and development of an intelligent recommendation engine for the domain of productive agriculture”, funded by the Greek Secretariat of Research and Technology

**11/2005 – 02/2012:** *Senior Researcher* in the project “Design and implementation of a topical-focused web crawler through the use of semantic networks”, funded by the Greek General Secretariat of Research and Technology

**10/2005 – 11/2006:** *Graduate Research Assistant* in the project “Design and implementation of a shared lexical database”

**08/2005 – 03/2006:** *Senior Researcher* in the project “Building a stemmer and a hyphenator for the Greek MS office” funded by Microsoft Corporation

**10/2004 – 09/2005:** *Research Assistant* in the projects “Comparing the performance of document classification techniques” and “Design and implementation of a corpus management system”

**10/03 – 09/04:** *Research Assistant* in the projects “Using Wordnet in corpus semantic annotation” and “Morphological normalization of web documents”

**10/2002 – 09/2003:** *Research Assistant* in the project “Genre detection based on statistical analysis”

**10/2001 – 09/2004:** *Technical Writer* of .over 30 Technical Reports for the European Commission and the Greek General Secretariat of Research and Technology

**10/2001 – 09/2002:** *Research Assistant* in the project “A Workbench for nominal phrases extraction”

**01/01 – 06/02:** *Project Manager* in “EuroTerm: Extending EuroWordNet with public sector terminology” (eContent EDC-2214), funded by the European Commission

### **Research Academic Computer Technology Institute, Greece**

**04/2002 – 07/2005:** *Senior researcher* in “Building the proofing tools for the Greek Microsoft office”, funded by Microsoft Corporation

**09/2001 – 09/2004:** *Project manager* in “Balkanet: Design and development of a multilingual Balkan Wordnet” (IST-2000-29388), funded by the European Commission

**01/2000 – 03/2002:** *Linguist* in “EC-MT-GPS” (MLIS-4004), funded by the European Commission

**09/1999 – 06/2000:** *Linguist* in “Dialexiko” (98-GT 17), funded by the General Secretariat of Research and Technology

**07/1999 – 10/2000:** *Linguist* in “Developing a morphological lexicon for Modern Greek” that was incorporated in Microsoft Proofing Tools for the Greek Office.

## HONORS & AWARDS

**02/2006:** Ph.D. awarded with distinction, Computer Engineering and Informatics Department, Patras University

**11/2005 – 02/2006:** Four financial awards for research accomplishments as a member of the Databases Laboratory of the Computer Engineering and Informatics Department, Patras University, Greece

**06/2002:** Academic honor and financial award for academic excellence from the Greek Scholarship Foundation

**04/2000:** Scholarship covering the expenses of an intensive course in “How to Use Text Corpora in Language Work” organized in Italy by the Tuscan Word Center (TWC)

## TEACHING EXPERIENCE

**Department of Archives and Library Science, Ionian University (Lecturer)**

**2009-now**      Subject Indexing  
                    Organizing Data Sources I  
                    Organizing Data Sources II  
                    Information Retrieval  
                    Advanced Issues in Database Systems  
                    Metadata for Archives, Museums, Libraries  
                    Creation and Management of Digital Collections  
                    Bibliography (taught for one semester in the academic year 2009-2010)

**Computer Engineering & Informatics Department, Patras University (Adjunct Lecturer)**

**2006 – now**      Language Technology  
                    Linguistic and Computational Natural Language Processing  
                    Web Data Management with the Use of Language Processing Tools

**Department of Culture and New Technologies, University of Ioannina (Adjunct Lecturer)**

**2007 - 2009**      Digital Libraries  
                    Databases  
                    Human Computer Interaction

**Department of Philosophy, Patras University (Instructor)**

**2006 -2007**      Introduction to Linguistics

## ADVANCED COURSES

*How to use Text Corpora in Language Work* Organized by the Tuscan Word Center, Italy. Instructors: J. Sinclair, S. Johansson, E. Tognini-Bonelli

*Syntactic Theories* Organized by the Department of Linguistics at University of California Los Angeles, USA. Instructor: Guglielmo Cique

## **ACADEMIC ACTIVITIES**

Editorial Board Member, Computational Linguistics and Applications, Studies in Computational Intelligence, Springer 2012

Referee, International Symposium on Foundation of Open Source Intelligence and Security Informatics, 2012

Editorial Board Member, e-Government Implementations and Practice in Developing Countries, 2013

Referee, European Intelligence and Security Informatics Conference, 2012

Referee, Intl. Conference on Advanced Cognitive Technologies and Applications, 2012

Referee, Intl. Conference on Adaptive and Self-Adaptive Systems and Applications, 2012

Referee, Intl. Conference on Language Resources and Evaluation, 2012

Referee, Intl. Conference on Web Information Systems and Technologies, 2012

Referee, Intl. Journal of Artificial Intelligence Tools, 2011

Referee, Intl. Database Engineering and Applications Symposium, 2011

Referee, Intl. Conference on Advances in Semantic Processing, 2011

Referee, Intl. Conference on Database and Expert System Applications, 2011

Referee, Intl. Conference on Advanced Cognitive Technologies and Applications, 2011

Referee, Intl. Conference on Adaptive and Self-Adaptive Systems and Applications, 2011

Referee, Text Mining Workshop, 2011

Referee, Computational Linguistics and Applications Conference, 2011

Referee, e-Society Conference, 2011

Referee, ACM Intl. Conference on Information and Knowledge Management, 2010

Referee, Computational Linguistics and Applications Conference, 2010

Referee, Public Sector Reform Using Information Technologies: Transforming Policy into Practice

Referee, 6<sup>th</sup> Hellenic Conference on Artificial Intelligence, 2010

Referee, Intl. Conference on Advanced Cognitive Technologies and Applications, 2010

Referee, Intl. Conference on Adaptive and Self-Adaptive Systems and Applications, 2010

Referee, SIGIR Workshop on Improving Web Retrieval for non-English Queries, 2010

Referee, Intl. Multi-Conference on Computer Science and Information Technology, 2010

Referee, International Journal of Digital Information Management

Referee, Language Resources and Evaluation Conference, 2010

Referee, International ACM SIGIR Conference, 2010

Referee, International ACM SIGIR Poster Session, 2010

Referee, International Conference on Information Integration, Web-Based Applications and Services, 2010

Referee, International Conference on Intelligent Computing, 2010

Referee, e-Society Conference, 2010

Referee, Data Management in Semantic Web, Nova Science Publishers, Inc., 2009

Editorial Board, International Journal of Knowledge-Based Organizations

Referee, Intl. Conference on Advanced Cognitive Technologies and Applications, 2009

Referee, Intl. Conference on Adaptive and Self-Adaptive Systems and Applications, 2009

Referee, Computational Linguistics- Applications Workshop, 2009

Referee, European Conference on Digital Libraries, 2009

Referee, e-Society Conference, 2009  
 Referee, Information Systems Elsevier Journal  
 Referee, CIKM Workshop on Improving Web Retrieval for non-English Queries, 2008  
 Referee, Semantic Web 2, Special Issue in Springer Annals of Information Systems, 2008  
 Referee, Springer Journal of Information Retrieval, 2008  
 Referee, International Conference on Computational Linguistics, 2008  
 Referee, Language Resources and Evaluation Conference, 2008  
 Referee, e-Society Conference, 2008  
 Referee, Global WordNet Conference, 2008  
 Referee, Language and Technology Conference, 2007  
 Referee and Program Committee member, SIGIR Workshop on Improving Web Retrieval for non-English Queries, 2007  
 Co-chair, Web Search and Mining Track, Pan-Hellenic Conference on Informatics, 2007  
 Reviewer, Elsevier Data and Knowledge Engineering Journal  
 Reviewer, Encyclopedia on Digital Library Technology and Applications, 2007  
 Program Committee member, Workshop on Pervasive Medical Technologies for the Support of the Elderly, 2007  
 Referee and Program Committee member, Pan-Hellenic Conference on Informatics, 2007  
 Reviewer, Data Mining with Ontologies: Implementations, Findings & Frameworks, 2007  
 Referee, Global WordNet Conference, 2006  
 Referee, RANLP Workshop on Language and Speech Infrastructure for Information Access in the Balkan Countries, 2005  
 Referee, IEEE International Conference on Tools with Artificial Intelligence, 2004  
 Chair, Hypertext in the Humanities, ACM Hypertext and Hypermedia Conference, 2004  
 Referee, International Workshop on Proofing Tools and Language Technologies, 2004  
 Referee, Global WordNet Conference, 2004  
 Referee, Workshop on Balkan Language Resources and Tools, 2003  
 Referee, Metainformatics Symposium, 2002  
 Referee, LREC Workshop on Wordnet Structures and Standardization, 2002  
 Referee, Workshop on Structural Computing, 2001  
 Referee, Workshop on Lexicographic Databases & Electronic Linguistic Resources, 2001

## **EUROPEAN COMMISSION SERVICE**

**2011 - now:** EC-appointed reviewer for projects running under the *Competitiveness and Innovation* Program

**2011 - now:** EC-appointed reviewer for projects running under the *ICT-PSP Policy Support* Program as part of the *Competitiveness and Innovation Framework* Program

**2011 – now:** EC-appointed reviewer for the *FP7-ICT-2011 IP* Proposals

**2010 – now:** EC-appointed reviewer for the *FP7-ICT-2011-7 Information and Communication Technologies* Program

**2009 –2010:** EC-appointed reviewer for the *ICT-PSP Call 5, Theme 5 Multilingual Web* Program

**2006 - 2009:** EC-appointed reviewer for projects running under the *eContentPlus* Program

## INVITED TALKS

- 01/2012:** Eugenidio Foundation, Greece: *Language Technology Applications to Data Processing*
- 05/2011:** Department of Mathematics, Patras University, Greece: *Language Technology Applications to Statistical Models of Scientometrics*
- 04/2011:** Computer Science Department, Athens University of Economics and Business, Greece: *Quality Assessment of Wikipedia External Links*
- 03/2010:** Department of Mathematics, Patras University, Greece: *Statistical Models for Text Processing*
- 05/2009:** Department of Mathematics, Patras University, Greece: *Natural Language Processing Models*
- 10/2007:** Department of Computer Science, University of Ioannina, Greece: *Web Data Management and Mining through the Use of Semantic Networks*
- 01/2007:** Department of Informatics and Telecommunications, Athens University, Greece: *Managing the Web Content through the Use of Semantic Networks*
- 04/2006:** School of Computing and Mathematical Sciences, Glasgow Caledonian University, UK: *Managing the Web Content through the Use of Semantic Networks*
- 03/2006:** Institute of Informatics and Telecommunications, National Centre of Scientific Research “DEMOKRITOS”, Athens, Greece: *Managing the Web Content through the Use of Semantic Networks*
- 12/2003:** 14<sup>th</sup> Meeting of Computational Linguistics in the Netherlands, Antwerp, Belgium: *Employing a Multilingual Domain-Specific Semantic Network to Support Specialized Searching on the Web*
- 06/2003:** European Dynamics High Level Think Summit, Athens, Greece: *On the Construction of Specialized Terminological Resources*
- 09/2002:** EUROPRIX ICCM Summer School, Salzburg, Austria: *Learn and Work with Europe’s BEST in New Media and Content Technologies*

## PUBLICATIONS

### Chapters in Refereed Books

1. Kirtsis N., Besharat J., Tzekou P., Stamou S. 2010. “Identifying Polarized Wikipedia Articles”. *Advancing Information Management through Semantic web Concepts and Ontologies*. Published by IGI Global.
2. Zotos N., Stamou S. 2010. “Distributed Multi-Dimensional Search over Online Databases”. *Spatio-Temporal Representation and Reasoning: Trends and Future Directions*. Published by the IGI Global.
3. Stylios G., Christodoulakis D., Koumpouri A., Bonistanou A., Kotrotsos I., Stamou S. 2010. “Data Mining Applications in the Service of e-Government”. *Public Sector Reform Using Information Technologies: Transforming Policy into Practice*. Published by the IGI Global.
4. Kozanidis L., Megalooikonomou V., Stamou S. 2009. “Toward Semantics-Aware Web Crawling”. *Data Management in Semantic Web*, Nova Science Publishers Inc.

5. Stamou S. 2009. "Using Topic-Specific Ranks to Personalize Web Search". *Handbook of Research on Digital Libraries: Design, Development and Impact*. Published by IGI Global. ISBN: 978-1-59904-879-6.
6. Zotos N., Stamou S., Tzekou P., Kozanidis L. 2008. "Adaptive Web Site Customization". *Metadata and Semantics Research*. Published by Springer. pp. 353-364.
7. Stamou S., Ntoulas A., Christodoulakis D. 2007. "TODE: An Ontology-Based Model for the Dynamic Population of Web Directories". *Data Mining with Ontologies: Implementations, Findings and Frameworks*. Published by the Idea Group Inc.
8. Fourla A., Yannoutsou O., Tsakou I., Stamou S., Petrits A. 2000. "The Contribution of a User Group to the Evaluation and Improvement of an MT System". *Translating and the Computer*, vol.22, London: ASLIB.

### Articles in Refereed Journals

9. Niarou M., Stamou S. 2012. "Exploring Lexical Ontologies for Hierarchically Organizing the Greek Wikipedia Articles". *International Journal of Digital Information Management*.
10. Makris Ch., Plegas I., Stamou S. 2012. "Web Query Disambiguation using PageRank". *International Journal of the American Society for Information Science and Technology*.
11. Papadakis I., Stefanidakis M., Stamou S., Andreou I. 2012 "Semantifying Queries over Large-Scale Web Search Engines". *International Journal of Internet Services and Applications*.
12. Kostagiolas P., Banou Ch. Stamou S. 2012. "Towards Measuring the Quality of Scientific Books". *International Journal of Service Science, Management, Engineering and Technology*.
13. Vonitsanou M.A., Kozanidis L., Stamou S. 2011. "Keyword Identification within Greek URLs". *International Journal of Computational Linguistics and Applications*, ISSN 0976-0962.
14. Tsolis D., Stamou S., Christia P., Kampana S., Papaloulia T., Skouta M., Tsakalidis A. 2010. "An Adaptive and Personalized Open Source e-Learning Platform". *Elsevier International Journal Procedia Social and Behavioral Sciences*, vol.9, pp. 38-43.
15. Stylios G., Christodoulakis D., Besharat, J., Bonistanou A., Kotrotsos I., Koumpouri A., Stamou S. 2010. "Public Opinion Mining for Governmental Decisions". *Online Journal for Government*.
16. Stamou S., Mpouloumpasis N., Kozanidis L. 2009. "Deriving the Impact of Scientific Publications by Mining Citation Opinion Terms". *International Journal of Digital Information Management*, Vol.7, No.5.
17. Kozanidis L., Stamou S. 2009. "Automatic Construction of a Geo-Referenced Search Engine Index". *International Journal of Web Applications*.
18. Varlamis I., Stamou S. 2009. "Semantically Driven Snippet Selection for Supporting Focused Web Searches". *Elsevier Journal of Data and Knowledge Engineering*, Vol. 68(2), pp. 261-277.
19. Stamou S., Kozanidis L., Tzekou P., Zotos N. 2008 "A Recommendation Model based on Site Semantics and Usage Mining" *International Journal of Digital Information Management*, Vol.6. No.3, pp. 244-256.
20. Stamou S., Kozanidis L., Tzekou P., Zotos N. 2008. "Ontology-Driven Personalized Query Refinement". *Journal of Web Engineering (JWE)*, Vol. 8, No, 1-2, pp. 113-153.

21. Stamou S., Ntoulas A. 2009. "Search Personalization through Query and Page Topical Analysis". *User Modeling and User-Adapted Interaction Journal (UMUAI)*, vol. 19, no.1-2, pp. 5-33.
22. Grigoriadou M., Kornilakis H., Galiotou E., Stamou S., Papakitsos E. 2004. "The Software Infrastructure for the Development and Validation of the Greek Wordnet". *Romanian Journal of Information Science and Technology (RJIST)*, vol.7, no. 1-2, pp. 89-105.
23. Tufis D., Cristea D., Stamou S. 2004. "Balkanet: Aims, Methods, Results and Perspectives: a General Overview". *Romanian Journal of Information Science and Technology (RJIST)*, vol.7, no. 1-2, pp. 1-35.

## Papers in Refereed Conferences

24. Simaki V., Stamou S., Kirtsis N. 2012 "Text Mining for Genre Identification: An Exploratory Study". To appear in the 8<sup>th</sup> *International Conference on Web Information Systems and Technologies*, Portugal.
25. Faliagka E., Kozanidis L., Stamou S., Tsakalidis A., Tzimas G. 2011. In *Proceedings of the 11<sup>th</sup> International Conference on Web Engineering (ICWE)*, Cyprus.
26. Tzekou P., Stamou S., Kirtsis N., Zotos N. 2011. "Quality Assessment of Wikipedia External Links". In *Proceedings of the 7<sup>th</sup> International Conference on Web Information Systems and Technologies (WebIST)*, the Netherlands, (22% accepted).
27. Stylios G., Stamou S., Christodoulakis D. 2011. "Towards Estimating the Impact of User Opinions on Governmental Decisions". In *Proceedings of the 11<sup>th</sup> European Conference on e-Government*.
28. Vonitsanou M.A., Kozanidis L., Stamou S. 2011. "Keyword Identification within Greek URLs". In *Proceedings of the 12<sup>th</sup> International Conference on Intelligent Text Processing and Computational Linguistics*, Tokyo, Japan.
29. Kirtsis N., Stamou S., Tzekou P., Zotos N. 2010. "Information Uniqueness in Wikipedia". In *Proceedings of the 6<sup>th</sup> International Conference on Web Information Systems and Technologies (WebIST)*, Valencia, Spain, (24% accepted).
30. Stamou S., Efthimiadis E. 2010. "Interpreting User Inactivity on Search Results". In *Proceedings of the 32<sup>nd</sup> European Conference on Information Retrieval*, (18% accepted)
31. Stylios G., Christodoulakis D., Besharat, J., Bonistanou A., Kotrotsos I., Koumpouri A., Stamou S. 2010. "Deciphering the Public's Stance towards Governmental Decisions". In *Proceedings of the 10<sup>th</sup> European Conference on e-Government*, Ireland.
32. Stamou S., Tzekou P., Zotos N. 2009. "Quantifying the Impact of Funded Research Works". In *Proceedings of the 4<sup>th</sup> International Conference on Digital Information Management*.
33. Papadakis I., Stefanidakis M., Stamou S., Andreou I. 2009. "A Query Construction Service for Web Search Engines". In *Proceedings of the International Conference on Web Intelligence*
34. Kozanidis L., Stamou S., Spiros G. 2009. "Focusing Web Crawls on Location-Specific Content". In *Proceedings of the 5<sup>th</sup> International Conference on Web Information Systems and Technologies (WebIST)*, Lisbon, Portugal.
35. Stylios G., Stamou S., Christodoulakis D. 2009. "Deriving the Impact of Governmental Decisions by Mining Public Opinions". In *Proceedings of the 9<sup>th</sup> European Conference on e-Government*, Westminster Business School, London, UK

36. Tzekou P., Stamou S., Kozanidis L., Zotos N. 2007. "Effective Site Customization based on Web Semantics and Usage Mining" In *Proceedings of the 3<sup>rd</sup> International IEEE SITIS Conference: Information Management and Retrieval Technologies Track*, December 16-19, Shanghai, China.
37. Zotos N., Stamou S., Tzekou P., Kozanidis L. 2007. "Adaptive Web Site Customization for Personalized Browsing". In *Proceedings of the 2<sup>nd</sup> International Conference on Metadata and Semantics Research*, October 11-12, Corfu, Greece.
38. Stamou S., Kozanidis L., Tzekou P., Zotos N., Christodoulakis D. 2007. "HiBO: Mining the Web's Favorites". In *Proceedings of the 9<sup>th</sup> Asia-Pacific Web Conference (APWeb)*, June 16-18, Yellow Mountains, China (16% accepted)
39. Kozanidis L., Tzekou P., Zotos N., Stamou S., Christodoulakis D. 2007. "Ontology-Based Adaptive Query Refinement". In *Proceedings of the 3<sup>rd</sup> International Conference on Web Information Systems and Technologies (WebIST)*, March 3-6, Barcelona, Spain, pp. 43-50 (14% accepted)
40. Stamou S., Kapros P., Christodoulakis D. 2006. "Exploring Web Pages' Semantics and a Subject Hierarchy for Supporting Personalized Web Searches". In *Current Research in Information Sciences and Technologies. Multidisciplinary Approaches to Global Information Systems*.
41. Stamou S. 2006. "Retrieval Effectiveness of an Ontology-Based Model for Conceptual Indexing". In *Proceedings of the 5<sup>th</sup> International Conference on Formal Approaches to South Slavic and Balkan Languages (FASSBL-5)*, October 18-20, Sofia, Bulgaria
42. Tzekou P., Kozanidis L., Christodoulakis D., Stamou S. 2006. "Combining Statistical and Lexical Processing for Query Refinement". In *Proceedings of the 5<sup>th</sup> International Conference on Formal Approaches to South Slavic and Balkan Languages (FASSBL-5)*, October 18-20, Sofia, Bulgaria
43. Stamou S., Christodoulakis D. 2006. "Turning BalkaNet's Inter-Lingual Index to a Powerful Ontology". In *IST-Africa Conference Proceedings*, P. Cunningham and M. Cunningham (Eds.) IIMC International Information Management Corporation, ISBN: 1-905824-01-7, May 2-3, Pretoria, South Africa
44. Stamou S., Ntoulas A., Krikos V., Kokosis P., Christodoulakis D. 2006. "Classifying Web Data in Directory Structures". In *Proceedings of the 8<sup>th</sup> Asia Pacific Web Conference (APWeb'06)*, January 16-18, Harbin, China, LNCS 3841, Springer-Verlag, pp. 238-249 (14% accepted)
45. Kokosis P., Krikos V., Stamou S., Christodoulakis D. 2005. "HiBO: A System for Automatically Organizing Bookmarks". In *Proceedings of the Joint Conference on Digital Libraries (JCDL'05)*, June 7-11, Denver, USA (27% accepted)
46. Stamou S., Krikos V., Kokosis P., Ntoulas A., Christodoulakis D. 2005. "Web Directory Construction using Lexical Chains". In *Proceedings of the 10<sup>th</sup> International Conference on Applications of Natural Language to Information Systems (NLDB'05)*, June 15-17, Alicante, Spain, LNCS 3513, Springer-Verlag, pp.138-149 (30% accepted)
47. Stamou S., Christodoulakis D. 2005. "Retrieval Efficiency of Normalized Query Expansion". In *Proceedings of the 6<sup>th</sup> International Conference on Intelligent Text Processing and Computational Linguistics (CICLing'05)*, February 13-19, Mexico City, Mexico, LNCS 3406, Springer-Verlag, pp.604-607
48. Stamou S., Christodoulakis D. 2004. "Handling Subtle Sense Distinctions through Wordnet Semantic Types". In *Proceedings of the 4<sup>th</sup> Language Resources and Evaluation Conference (LREC)*, May 26-28, Lisbon, Portugal

49. Stamou S., Nenadic G., Christodoulakis D. 2004. "Exploring Balkanet Shared Ontology for Multilingual Conceptual Indexing". In *Proceedings of the 4<sup>th</sup> Language Resources and Evaluation Conference (LREC)*, May 26-28, Lisbon, Portugal
50. Avramidis D., Kyriakopoulou M., Tzagarakis M., Stamou S., Christodoulakis D. 2002. "Approaching Wordnets through a Structural Point of View". In *Proceedings of the 1<sup>st</sup> Metainformatics Symposium (MIS)*, August 7-10, Esbjerg, Denmark, LNCS 2641, Springer-Verlag, pp. 49-57
51. Stamou S., Ntoulas A., Kyriakopoulou M., Christodoulakis D. 2002. "Expanding EuroWordNet with Domain-Specific Terminology Using Common Lexical Resources: Vocabulary Completeness and Coverage Issues". In *Proceedings of the 1<sup>st</sup> Global Wordnet Conference (GWC)*, January 21-25, Mysore, India
52. Stamou S., Oflazer K., Pala K., Christodoulakis D., Cristea D., Tufis D., Koeva S., Totkov G., Dutoit D., Grigoriadou M. 2002. "Balkanet: A Multilingual Semantic Network for Balkan Languages". In *Proceedings of the 1<sup>st</sup> Global Wordnet Conference (GWC)*, January 21-25, Mysore, India
53. Stamou S., Ntoulas A., Hoppenbrouwers J., Saiz-Noeda M., Christodoulakis D. 2002. "EUROTERM: Extending the EuroWordNet with Domain-Specific Terminology Using an Expand Model Approach". In *Proceedings of the 1<sup>st</sup> Global Wordnet Conference (GWC)*, January 21-25, Mysore, India
54. Ntoulas A., Stamou S., Tzagarakis M., Christodoulakis D. 2001. "Understanding Search Engines: Requirements for Explaining Search Results". In *Proceedings of the 1<sup>st</sup> Panhellenic Conference with International Participation in Human Computer Interaction (PCHCI)*, December 7-9, Patras, Greece
55. Ntoulas A., Stamou S., Tzagarakis M., Tsakou I., Christodoulakis D. 2001. "Viewing Web Search Engines as Corpus Query Systems". In *Proceedings of the 6<sup>th</sup> Conference on Computational Lexicography and Corpus Research (COMPLEX)*, Mason Hall, University of Birmingham, June 28-30, Birmingham, UK
56. Ntoulas A., Stamou S., Tsakou I., Tsalidis C., Tzagarakis M., Vagelatos A. 2000. "Use of a Morphosyntactic Lexicon for the Implementation of the Greek Wordnet". In *Proceedings of the 2<sup>nd</sup> International Conference on Natural Language Processing (NLP)*, June 2-4, Greece, LNCS 1835, Springer-Verlag, pp. 49-56

### **Papers in Refereed Workshops**

57. Makris Ch., Stamou S., Theodoridis E., Tzekou P. 2011. "A Semantically Enhanced Web Page Recommendation Scheme". In *Proceedings of the Knowledge Discovery, Data Mining and Machine Learning Workshop*, Germany.
58. Kirtsis N., Stamou S. 2011. "Query Reformulation for Task-Oriented Web Searches". In *Proceedings of the 4<sup>th</sup> International Workshop on Web Information Retrieval Support Systems*, Lyon, France.
59. Stamou S., Kozanidis L. 2009. "Impact of Search Results on User Queries". In *Proceedings of the 11<sup>th</sup> ACM Workshop on Web Information and Data Management*.
60. Tsatsaronis G., Varlamis I., Stamou S., Norvag K., Vazirgiannis M. 2009. "Semantic Relatedness Hits Bibliographic Data". In *Proceedings of the 11<sup>th</sup> ACM Workshop on Web Information and Data Management*.
61. Stamou S., Efthimiadis E. 2009. "Queries without Clicks: Successful or Failed Searches?" In *Proceedings of the ACM SIGIR Workshop on the Future of IR Evaluation*.

62. Stamou S., Kozanidis L. 2009. "Towards Faceted Search for Named Entity Queries". In *Proceedings of the 1<sup>st</sup> International Workshop on Web-based Contents Management Technologies (WCMT)*, Suzhou, China.
63. Stamou S., Kozanidis L., Tzekou P., Zotos N. 2008. "Query Selection for Improved Greek Web Searches". In *Proceedings of the 2<sup>nd</sup> International CIKM Workshop on Improving Web Retrieval for non-English Queries*, October 30, CA, USA (35% accepted)
64. Zotos N., Tzekou P., Tsatsaronis G., Kozanidis L., Stamou S., Varlamis I. 2007. "To click or not to click? The Role of Contextualized and User-Centric Web Snippets". In *Proceedings of the SIGIR Workshop on Focused Retrieval*, July 27, Amsterdam, the Netherlands.
65. Tzekou P., Stamou S., Zotos N., Kozanidis L. 2007. "Querying the Greek Web in Greeklish". In *Proceedings of the SIGIR Workshop on Improving Web Retrieval for non-English Queries*, July 27, Amsterdam, the Netherlands (26% accepted)
66. Komninos A., Stamou S. 2006. "HealthPal: An Intelligent Personal Medical Assistant for Supporting the Self-Monitoring of Healthcare in the Ageing Society". In *Proceedings of UbiHealth 2006: the 4<sup>th</sup> International Workshop on Ubiquitous Computing for Pervasive Healthcare Applications*, September, 2006, USA.
67. Krikos V., Stamou S., Ntoulas A., Kokosis P., Christodoulakis D. 2005. "DirectoryRank: Ordering Pages in Web Directories". In *Proceedings of the 7<sup>th</sup> ACM International Workshop on Web Information and Data Management (WIDM'05)*, November 5, Bremen, Germany (27% accepted)
68. Stamou S., Christodoulakis D. 2005. "Integrating Domain Knowledge into a Generic Ontology". In *Proceedings of the 2<sup>nd</sup> MEANING Workshop*, February 3-4, Trento, Italy
69. Stamou S., Andrikopoulos V., Christodoulakis D. 2003. "Towards Developing a Semantically Annotated Treebank Corpus for Greek". In *Proceedings of the 2<sup>nd</sup> Workshop on Treebanks and Linguistic Theories (TLT)*, November 14-15, Vaxjo, Sweden
70. Avramidis D., Kyriakopoulou M., Kourousias G., Stamou S., Tzagarakis M. 2002. "Viewing Semantic Networks as Hypermedia". In *Proceedings of the Workshop on Wordnet Structures and Standardization*, in conjunction with the 3<sup>rd</sup> Language Resources and Evaluation Conference (LREC), May 28, Las Palmas, Spain
71. Ntoulas A., Stamou S., Tzagarakis M. 2001. "Using a WWW Search Engine to Evaluate Normalization Performance for a Highly Inflectional Language". In *Proceedings of the ACL/EACL Student Research Workshop*, July 6-11, Toulouse, France (28% accepted)
72. Tsakou I., Assimakopoulos D., Koutsoubos I., Miatidis M., Kourousias G., Tzagarakis M., Stamou S., Christodoulakis D. 2001. "DIALEXIKO: A Database for the Storage and Manipulation of Linguistic Resources" (in Greek). In *Proceedings of the Workshop on Lexicographic Databases and other Electronic Linguistic Resources*, in conjunction with the 22<sup>nd</sup> Annual Meeting of Greek Linguistics, April 29, Thessaloniki, Greece
73. Assimakopoulos D., Koutsoubos I., Miatidis M., Tsakou I., Ntoulas A., Stamou S., Christodoulakis D. 2000. "A Modular Architecture for the Storage and Management of Heterogeneous Lexical Information". In *Proceedings of the Computational Lexicography Workshop (COMLEX)*, September 22-23, Kato Achaia, Greece

## Other Publications

74. Stamou S. 2011. "Quality Metrics for Assessing the Quality of Computer Science Conferences". Tekmirion, vol.10, Ionian University.

75. Niarou M., Stamou S. 2011. “Hierarchical Organization of the Greek Wikipedia Articles via the Use of Semantic Networks”. Tekmirion, vol.10, Ionian University.
76. Stamou S. 2010. “The Semantics of Self-Citations in Scientific Publications”. Tekmirion, vol.9, pp. 105-116, Ionian University.

### **Invited Papers**

77. Stamou S. 2004. “Rethinking Proofing Tools”. *Elsnet Newsletter of the European Network in Human Language Technologies*, vol. 13(2).
78. Stamou S., Kapros P., Krikos B., Fosteris N., Kokosis P. 2003. “Problems Encountered while Developing MS Proofing Tools for the Greek Office”. *Introduction to Computational Linguistics* (lecture notes), Zagreb, Croatia
79. Oflazer K., Stamou S., Christodoulakis D. 2001. “BalkaNet: A Multilingual Semantic Network for the Balkan Languages”. *Elsnet Newsletter of the European Network in Human Language Technologies*.

### **Work in Progress**

- a) Stamou S. 2012. “Automatic Identification of Subject Descriptors to Organize Papers in the ACM Computing Classification Scheme”. *Working paper*.

### **Technical Reports (selection)**

1. Requirement Analysis and Specification of the Methodology for Building a Multilingual Semantic Network”. Project IST-2000-29388, Internal Report D.2.1
2. Design and Development of Tools for the Construction of the Monolingual Balkan WordNets. Project IST-2000-29388, Internal Report D.3.1
3. Definition of the Local Base Concepts and their Mappings. Project IST-2000-29388, Internal Report D.4.1
4. Language Internal Relations for Nouns, Verbs, Adjectives and Adverbs. Project IST-2000-29388, Internal Report D.5.1
5. Improvement and Extension of the Monolingual WordNets. Project IST-2000-29388, Internal Report D.6.1
6. Restructuring WordNets for the Balkan Languages. Project IST-2000-29388, Internal Report D.8.1
7. A Novel Approach for the Expansion of EuroWordNet with Domain Specific Terminology. Project ECD-2001-2214, Internal Report D.1.2
8. A Terminology Management System: specifications, design and implementation guide. Project ECD-2001-2214, Internal Report D.3.1
9. New Inter-Lingual-Index concepts added to EuroWordNet. Project ECD-2001-2214, Internal Report D.4.2

### **CITATIONS**

Google Scholar and CiteSeer<sup>x</sup> have recorded **257 citations** to my published work, excluding self-citations and co-author citations.

## **SOCIETY MEMBERSHIP**

Clarín Network for Language Technology (since 2009)

Global WordNet Association (since 2001)

Hellenic Artificial Intelligence Society (since 2002)

## **LANGUAGES**

English (fluent, Cambridge Proficiency, one year postgraduate visiting scholar in UCLA)

Italian (very good, Medio Diploma)

French (fair, took courses for three years)

Greek (native)

## **OTHER EDUCATIONAL ACTIVITIES**

**Ph.D. Dissertation Committee Membership:** Dimitris Zeimpekis: *Spectral Information Retrieval Methods, Applications and Software Tools*. Patras University, Computer Engineering and Informatics Department, 07/2009, Sofia Brisenou: *Corfu as an Application Field for Historical Methodology in Education*. Ionian University, Department of Archives and Library Science, 07/2010, Nikos Tsirakis: *Data Mining Techniques and Applications in Data Management Issues and Software Evaluation*. Patras University, Computer Engineering and Informatics Department, 09/2010, Christina Gkarnara: *Personalized Meta-search Techniques for the World Wide Web*, Department of Archives and Library Science, 02/2011, Panagiotis Antonellis: *Applying Data Mining and Data Filtering Techniques to Web Objects*. Patras University, Computer Engineering and Informatics Department, 02/2011, Vasiliki Simaki: *Sociolinguistic Textual Analysis of the World Wide Web Data*. Patras University, Computer Engineering and Informatics Department, 05/2012.

### **M.Sc. Thesis Supervision**

**Ionian University, Department of Archives and Library Science:** Maria Niarou: *Use of Lexicographic Ontologies for Hierarchically Organizing the Wikipedia Articles*, Ionian University, 10/2010.

### **M.Sc. Thesis Committee Membership**

**Ionian University, Department of Archives and Library Science:** Evaggelia Evaggelakopoulou: *The Role of Information Science and Novel Technologies to the Secondary Education*, 03/2012, Elemi Chatzixristou: *Subject Headings to the Library of Ionian University, Types of Relations and Alignment to the LCSH*, 03/2012, Margarita Kiritsi: *Connecting Public Libraries to Local Cultural Organizations: the Public Library of Corfu*, 03/2012, Xaris Lavranos: *Investigating the Information Behavior of Students and Instructors of Music: the Case of Kapodistrias Philharmonic*, 03/2012, Aggeliki Palli: *Strategies of Children Book Publishing in Greece at the Beginning of the 21<sup>st</sup> Century*, 11/2011, Elena Christodoulou: *Categories of Bookstores in Greece at the Beginning of the 21<sup>st</sup> Century – the Case of e-Bookstores*, 10/2011, Athina Moltsa: *Planning for Risk and Disaster Management in Public Libraries*, 10/2011, Eirini-Maria Kritikou: *Methods to Evaluate the Usability of Digital Library Websites: The case of Staatsbibliothek Wurzburg Library*, 06/2011, Ioannis Statiris: *Legal Ontologies: Classification and Usage*, 02/2011, Katerina Totsoulidou: *Exploiting the Cognitive Assets in Public Libraries: the Case of Greek Public Libraries*, 01/2011, Tania Marouli: *User-Centric Evaluation for Social Tagging Systems*, 05/2011, Katerina Tsiapa: *Libraries and Web 2.0 Services: the New OPAC 2.0 Catalogues*, 09/2010, Christina Gkarnara: *Personalized Web Search Software*, 09/2010, Euripidis Soupiotis: *Interlinked Data for the Semantic Web*, 09/2010, Maria Mauropoulou: *Software Engineering for Text Similarity Detection*, 09/2010, Katerina Lampou: *Human Conscious Expressions as a Tool for Personalizing Semantic Web Searches*, 09/2010, Giorgos Amanatidis: *e-Banking: Web Engineering for e-Banking Service*

Security, 07/2010, Iliana Araka: *Design of a Risk and Disaster Management System for the Greek Academic Libraries*, 07/2010.

**Patras University, Computer Engineering and Informatics Department:** Asimina Derмата: *Applying the PageRank Algorithm and its Variations to Order Scientific Publications: A Comparative Study*, 05/2012, Dimitris Georgiou: *Design and Implementation of a Rule-Based Stemmer for Modern Greek*, 02/2011, Andreas Papadopoulos: *Implementation of an Inverted Index for SMSs*, 04/2011, Thomas Athnasopoulos: *Requirement Analysis and Implementation of a Prototype e-Learning Application for Managing Educational Material*, 02/2011, Eleni Zampou: *Techniques for Evaluating the Structure and Content of e-Government Websites*, 06/2011, Nausika Ferfiri: *Knowledge Extraction from Wikipedia for the Implementation of a Novel e-Learning Platform*, 11/2010, Marita Gkintziri: *Linguistic Knowledge Extraction from Dictionaries for Language Generation*, 11/2010, Nikos Kirtsis: *Query Rewrites for Goal-Oriented Web Search*, 11/2010, Ioannis Ioannidis: *Linking Wikipedia Articles to YouTube Videos*, 03/2011, Jeries Besharat: *Generating Opinion Summaries for Online Products and Services*, 11/2010, Ioannis Kotrotsos: *Design and Development of an e-Learning Platform for Adaptive Language Teaching*, 06/2011, Eirini Sterganelli: *Opinion Mining for Social e-Government Applications*, 11/2010, Katerina Papathanasiou: *Web Data Processing for the Automatic Discovery of Geo-Focused Information*, 11/2010, Berdousis Ioannis: *Comparative Evaluation of Open Source e-Learning Frameworks and Design of a Pilot Platform for Educational Software*, 02/2011, Athanasios Tsarouhis: *An Integrated Web-Based System for Managing Scientific Publications*, 06/2010

**Ionian University, Computer Science Department:** Chatzitheodorou Konstantinos: *Comparative Evaluation of Machine Translation Techniques via Parallel Corpora for the Language Pair Greek-Italian*, 02/2011