

CURRICULUM VITAE: Georgios Paliouras

Personal Information

Date of Birth: 14 - 10 - 1970
Address: Office: Inst. of Informatics and Telecommunications,
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Education (general)

1993 - 1997 University of Manchester:
Ph.D. in Computer Science
Thesis title: "Refinement of Temporal Constraints in Event Recognition Systems using Small Datasets"
Funded by: Thomson Marconi Sonar UK Ltd.
and: Engineering and Physical Sciences Research Council (EPSRC), UK

1992 - 1993 University of Manchester:
MSc (by research) in Computer Science
Thesis title: "Scalability of Machine Learning Algorithms"
Funded by: EPSRC, UK

1988 - 1992 University of Central Lancashire:
BSc (Hons.) in Computing (Major) and Economics (Minor)
Class: First

July 1988 A-level equivalent exams:
Mathematics (92%), Physics (90%), Chemistry (96%), Modern Greek (73%)

Education (seminars)

Sept. 1996 NATO ASI on Learning in Graphical Models, Erice, Sicily.
Funded by: European Union and University of Manchester

Feb. 1995 Project Management, London, UK.
Funded by: EPSRC

Sept. 1994 MLnet Summer School on Machine Learning and Knowledge Acquisition, France.
Funded by: Commission of the European Communities

June 1994 Presentation and Communication Skills, Brunell, UK.
Funded by: EPSRC

Work Experience

2000 – today (full time) **Researcher at the Inst. of Informatics and Telecom., NCSR "Demokritos",**
Research and management in the context of 18 research projects, in the areas of: machine learning, knowledge discovery, data mining, Web mining, text mining, personalization, user modelling, information filtering, information extraction, ontology learning, event recognition.
Supervision of 19 undergraduate, 6 postgraduate and 7 doctoral students.

2004 – today (part time) **Co-founder and board member of the start-up company i-sieve technologies Ltd.**
Research and development of intelligent content filtering technologies for the Internet.

2003-2004 (part time) **Responsible for the postgraduate course "Machine Learning – Knowledge Discovery from Data", Department of Information and Communication Systems Engineering, University of the Aegean**

2002-2006 (part time) **Lecturer in postgraduate course at the Institute of Language and Speech Processing**
Lectures on Information Extraction for a Computational Linguistics course.

1998-2000 (full-time) **Research Associate at the Inst. of Informatics and Telecom., NCSR "Demokritos",**
Research and development in the context of 6 research projects, in the areas of: machine learning, knowledge discovery, data mining, Web mining, text mining, personalization, user modelling, information filtering, information extraction.

1997-1998 (part-time) *Supervision* of undergraduate University students.

1998-1999 (part time) **Teacher at the Institute of Professional Training (Min. of Employment)**
Teaching of UNIX, WORD, MS WINDOWS, MS DOS in professional seminars.

1997-1998 **Military service in the Greek Navy**

(full time)	<i>System administration and database programming</i> for financial applications.
1992-1996	Teaching assistant Computer Science University of Manchester, UK
(part time)	<i>Laboratory and lecture assistance</i> in various computer science courses, including knowledge based systems, neural networks, programming languages and databases.
1990-1991	Programmer in Siemens AG, Karlsruhe, Germany
(full time)	<i>Software Development</i> in the Automated Control Systems Group: data compression tools, debugging tools, databases.

Other qualifications and skills

Research Activities:

- Expert evaluator of research projects and project proposals for the European Commission.
- Evaluator for projects and research proposals for the Greek Secretariat for Research and Technology.
- Board member (2004-2008) of the International Committee on Grammatical Inference.
- General Secretary (2000-2002) and Treasurer (2002-2004) of the Hellenic Association for AI (EETN).
- Tutorial speaker at the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), 2007.
- Invited speaker at the Workshop on Ubiquitous Knowledge Discovery for users (UKDU) of the ECML/PKDD, 2006
- Invited speaker at the International Conference on Conceptual Structures (ICCS), 2005.
- Invited speaker at the Dagstuhl Seminar on “Machine Learning for the Semantic Web”, 2005.
- 15 other invited talks and seminars in various academic and research institutions.
- Editorial board member of the journal on User Modeling and User-Adapted Interfaces.
- Co-editor of a special issue on Grammatical Inference in the Machine Learning Journal.
- Area chair of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), 2007.
- Chair of the International User Modelling Conference (UM), 2007.
- Chair of the International Colloquium on Grammatical Inference (ICGI), 2004.
- Co-organiser of workshops in the International Joint Conference on Artificial Intelligence (2005) and the European Conference on Artificial Intelligence (2008).
- Regular member of the programme committee of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD), User Modelling, International Colloquium on Grammatical Inference (ICGI).
- Reviewer for various international journals, including the IEEE Transactions on Knowledge and Data Engineering, IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE Transactions on Neural Networks, ACM Transactions on Internet Tehnologies.
- Reviewer or member of the programme committee in a number of conferences and workshops, among which the International Joint Conference on Artificial Intelligence and the European Conference on Artificial Intelligence.

Distinctions/Awards:

- Runner-up in both tasks of the ECML/PKDD 2006 Discovery Challenge.
- Best student paper award for my PhD student D. Pierrakos at the International User Modelling Conference 2005.
- Best PhD thesis in the Computer Science Dept. of the University of Manchester, for the year 1997.
- Various sponsorships and awards for postgraduate studies.
- Best poster presentation for the article “Predicting Labour Force Participation of Women with the use of Statistical and Learning Classification Techniques,” Aarhus, Denmark, 1995.
- Participation in the Finals of the 4th Greek Mathematics Olympiad. Related award by the Greek Mathematical Association.
- Performance awards in High School and Lyceum.

Skills:

- Languages: English (fluent), German (very good), Greek (native speaker).
- Several programming languages (incl. C, C++), operating systems (incl. Unix), databases and expert systems.

Publications of Georgios Paliouras

B: books and dissertations

- B7. C. Conati, K. McCoy and G. Paliouras (editors), *User Modeling 2007*. Lecture Notes in Artificial Intelligence, n. 4511, Springer-Verlag, 2007.
- B6. G. Paliouras, Y. Sakakibara (editors), *Grammatical Inference*. Special Issue of the Machine Learning Journal, vol. 66, n. 1, January 2007.
- B5. C. de la Higuera, T. Oates, G. Paliouras, M. Van Zaanen (editors), *Proceedings of the Workshop on Grammatical Inference Applications: Successes and Future Challenges*, Nineteenth International Joint Conference on Artificial Intelligence (IJCAI), Edinburgh, Scotland on July 31, 2005.
- B4. G. Paliouras, Y. Sakakibara (editors), *Grammatical Inference: Algorithms and Applications*. Lecture Notes in Artificial Intelligence, n. 3264, Springer-Verlag, 2004.
- B3. G. Paliouras, V. Karkaletsis and C.D. Spyropoulos (editors), *Machine Learning and Applications*. Lecture Notes in Artificial Intelligence, n. 2049, Springer-Verlag, 2001.
- B2. G. Paliouras, *Refinement of Temporal Constraints in an Event Recognition System using Small Datasets*. Ph.D. Thesis, Department of Computer Science, University of Manchester, UK, 1997.
- B1. G. Paliouras, *The Scalability of Machine Learning Algorithms*. M.Sc. Thesis, Department of Computer Science, University of Manchester, UK, 1993.

JP: Journal and Book Papers

- JP10. G. Korfiatis and G. Paliouras, “**Modeling Web Navigation using Grammatical Inference**,” *Applied Artificial Intelligence*, v. 22, n. 1 & 2, pp. 116 – 138, 2008
- JP9. G. Sigletos, G. Paliouras, C.D. Spyropoulos and M. Hatzopoulos, “**Combining Information Extraction Systems Using Voting and Stacked Generalization**,” *Journal of Machine Learning Research*, v.6, pp. 1751-1782, 2005.
- JP8. G. Petasis, G. Paliouras, V. Karkaletsis, C. Halatsis, and C.D. Spyropoulos, “**e-GRIDS: Computationally Efficient Grammatical Inference from Positive Examples**,” *GRAMMARS*, 2004.
- JP7. D. Pierrakos, G. Paliouras, C. Papatheodorou and C.D. Spyropoulos, “**Web Usage Mining as a Tool for Personalization: a survey**,” *User Modeling and User-Adapted Interaction*, v. 13, n. 4, pp. 311-372, November 2003.
- JP6. G. Sakkis, I. Androutsopoulos, G. Paliouras, V. Karkaletsis, C.D. Spyropoulos and P. Stamatopoulos, “**A Memory-Based Approach to Anti-Spam Filtering for Mailing Lists**,” *Information Retrieval*, v. 6, n. 1, pp. 49-73, 2003.
- JP5. G. Paliouras, C. Papatheodorou, V. Karkaletsis and C.D. Spyropoulos, “**Discovering User Communities on the Internet Using Unsupervised Machine Learning Techniques**,” *Interacting with Computers*, v. 14, n. 6, pp. 761-791, 2002.
- JP4. S.M. Rudolfer, G. Paliouras and I. Peers, “**A Comparison of Logistic Regression to Decision Tree Induction in the Diagnosis of Carpal Tunnel Syndrome**,” *Computers and Biomedical Research*, v. 32, pp. 391-414, 1999.
- JP3. V. Karkaletsis, G. Paliouras, G. Petasis, N. Manousopoulou and C.D. Spyropoulos, “**Named-Entity Recognition from Greek and English Texts**”. *Journal of Intelligent and Robotic Systems*, v. 26, n. 2, pp. 123-135, 1999.
- JP2. G. Paliouras and H.C. Jessen, “**Statistical and Learning Approaches to Nonlinear Modeling of Labour Force Participation**,” *Neural Network World*, v. 9, n.4, pp. 341-363, 1999.
- JP1. M. Brown and G. Paliouras, **Review of: Inside Case Based Explanation**, by R. Schank et al., *Minds and Machines*, v. 6, n. 2, pp. 279-285, 1996.

BP: Book Chapters

- BP3. G. Paliouras, A. Mouzakidis, V. Moustakas and C. Skourlas, “**PNS: A personalized news aggregator on the Web**,” In *Intelligent Interactive Systems in Knowledge-based Environments*, M. Virvou and L. Jain (eds), Studies in Computational Intelligence, n. 104, pp. 175-197, Springer-Verlag, 2008.
- BP2. G. Petasis, S. Petridis, G. Paliouras, V. Karkaletsis, S. Perantonis, and C.D. Spyropoulos, “**Symbolic and Neural Learning of Named-Entity Recognition and Classification Systems in Two Languages**,” In *Advances in Computational Intelligence and Learning: Methods and Applications*, H-J. Zimmermann, G. Tselentis, M. van Someren and G. Dounias (eds), Kluwer Academic Publishers, pp. 193-210, 2001.
- BP1. H. Jessen and G. Paliouras, “**Data Mining in Economics, Marketing and Finance**,” In *Machine Learning and Applications*, G. Paliouras, V. Karkaletsis and C.D. Spyropoulos (eds), Lecture Notes in Computer Science, n. 2049, pp. 303-307, Springer-Verlag, 2001.

CP: Conference Papers

- CP62. E. Zavitsanos, S. Petridis, G. Paliouras and G. Vouros, “**Learning Ontologies of Appropriate Size**,” In *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN)*, Syros, Greece, October, *Lecture Notes in Artificial Intelligence*, n. 5138, pp. 327-338, Springer Verlag, 2008.

- CP61. G. Papadakis and G. Paliouras, “**MyCites: An Intelligent Information System for Maintaining Citations**,” In *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN)*, Syros, Greece, October, *Lecture Notes in Artificial Intelligence*, Springer Verlag, n. 5138, pp. 371-376, 2008.
- CP60. G. Petasis, V. Karkaletsis, G. Paliouras and C.D. Spyropoulos, “**Learning context-free grammars to extract relations from text**,” In *Proceedings of the the European Conference on Artificial Intelligence (ECAI)*, IOS Press, pp. 303-307, Patras, Greece, July 2008.
- CP59. E. Zavitsanos, G. Paliouras, G. Vouros and S. Petridis, “**Determining Automatically the Size of Learned Ontologies**,” In *Proceedings of the the European Conference on Artificial Intelligence (ECAI)*, IOS Press, pp. 775-776, Patras, Greece, July 2008.
- CP58. I. Partalas, G. Paliouras and I. Vlahavas, “**Reinforcement Learning with Classifier Selection for Focused Crawling**,” In *Proceedings of the the European Conference on Artificial Intelligence (ECAI)*, IOS Press, pp. 759-760, Patras, Greece, July 2008.
- CP57. E. Zavitsanos, G. Paliouras and G. Vouros, “**A Distributional Approach to Evaluating Ontology Learning Methods Using a Gold Standard**,” In *Proceedings of the 3rd Workshop on Ontology Learning and Population (OLP3) at the European Conference on Artificial Intelligence (ECAI)*, Patras, Greece, July 2008.
- CP56. S. Konstantopoulos, G. Paliouras, J. Schon, D. Schneider, T. Winkler, J. Pottebaum and R. Koch, “**Ontology-based Rescue Operation Management**”, In *Proceedings of the International Symposium on Mobile Information Technology for Emergency Response (MobRes)*, Bonn, Germany, May, *Lecture Notes in Computer Science*, Springer Verlag, 2008. (to appear)
- CP55. E. Zavitsanos, G. Paliouras, G. Vouros and S. Petridis, “**Discovering Subsumption Hierarchies of Ontology Concepts from Text Corpora**,” In *Proceedings of the IEEE/WIC/ACM International Conference on Web Intelligence (WI)*, pp. 402-408, IEEE Press, 2007.
- CP54. C. Christophi, D. Zeinalipour-Yazti, M. Dikaiakos and G. Paliouras, “**Automatically Annotating the ODP Web Taxonomy**,” In *Proceedings of the 11th Panhellenic Conference on Informatics (PCI)*, *Current Trends in Informatics*, v.1, pp. 397-408, New Technologies Publications, 2007.
- CP53. J. Pottebaum, S. Konstantopoulos, R. Koch, and G. Paliouras, “**SaR Resource Management based on Description Logics**”, In *Proceedings of the International Workshop on Mobile Information Technology for Emergency Response (MobRes)*, *Lecture Notes in Computer Science*, n. 4458, pp. 61-70, Springer Verlag, 2007.
- CP52. D. Kosmopoulos, S. Petridis, I. Pratikakis, V. Gatos, S. Perantonis, V. Karkaletsis and G. Paliouras, “**Knowledge Acquisition from Multimedia Content using an Evolution Framework**,” In *Proceedings of the IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI)*, *IFIP International Federation for Information Processing Series*, n. 204, pp. 557-565, Springer Boston, 2006.
- CP51. N. Trogkanis and G. Paliouras, “**TPN²: Using positive-only learning to deal with the heterogeneity of labeled and unlabeled data**”, In *Proceedings of the Discovery Challenge at the Joint European Conference on Machine Learning and on Principles and Practices of Knowledge Discovery in Databases (ECML/PKDD)*, pp. 63-74, Berlin, Germany, September, 2006. [Runner-up participation in both tasks of the challenge.]
- CP50. V. Metsis, I. Androutsopoulos, G. Paliouras, “**Spam Filtering with Naive Bayes – Which Naive Bayes?**” In *Proceedings of the second Conference on Email and Anti-Spam (CEAS)*, Mountain View, CA, USA, 2006.
- CP49. E. Dellis, G. Paliouras, “**Management of Large Spatial Ontology Bases**,” In *Proceedings of the Workshop on Ontologies-based techniques for DataBases and Information Systems (ODBIS) at the 32nd International Conference on Very Large Data Bases (VLDB)*, Seoul, Korea, September, 2006.
- CP48. G. Paliouras, A. Mouzakidis, C. Ntoutsis, A. Alexopoulos, C. Skourlas, “**PNS: Personalized Multi-Source News Delivery**,” In *Proceedings of the 10th International Conference on Knowledge-Based & Intelligent Information & Engineering Systems (KES)*, *Lecture Notes in Computer Science*, n. 4252, pp. 1152-1161, Springer Verlag, 2006.
- CP47. S. Konstantopoulos, G. Paliouras, S. Chatzinotas, “**SHARE-ODS: An Ontology Data Service for Search and Rescue Operations**,” In *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN)*, *Lecture Notes in Artificial Intelligence*, n. 3955, pp. 525-528, Springer Verlag, 2006.
- CP46. C. D. Spyropoulos, G. Paliouras, V. Karkaletsis, D. Kosmopoulos, I. Pratikakis, S. Perantonis, B. Gatos, “**BOEMIE: Bootstrapping Ontology Evolution with Multimedia Information Extraction**”, In *Proceedings of the 2nd European Workshop on Integration of Knowledge, Semantic and Digital Media Technologies*, London, UK, November 2005.
- CP45. L. Vande Velde, S. Chatzinotas, M. Larson, J. Löffler, G. Paliouras, “**Interactive 2D – 3D digital maps for the support of emergency teams during rescue operations**”, In *Proceedings of the 12th World Congress on Intelligent Transport Systems*, San Francisco, November, 2005.
- CP44. V. Karkaletsis, G. Paliouras, C. D. Spyropoulos, “**A Bootstrapping Approach to Knowledge Acquisition from Multimedia Content with Ontology Evolution**,” In *Proceedings of the International and Interdisciplinary Conference on Adaptive Knowledge Representation and Reasoning (AKRR)*, pp. 98-105, Helsinki University of Technology, Finland, June 2005.
- CP43. G. Paliouras, “**On the Need to Bootstrap Ontology Learning with Extraction Grammar Learning**,” In *Proceedings of the International Conference on on Conceptual Structures (ICCS)*, Kassel, Germany, July, *Lecture Notes in Artificial Intelligence*, n. 3596, pp. 119-135, Springer Verlag, 2005.

- CP42. D. Pierrakos, G. Paliouras, “**Exploiting Probabilistic Latent Information for the Construction of Community Web Directories**,” In *Proceedings of the International User Modelling Conference (UM)*, Edinburgh, UK, July, *Lecture Notes in Artificial Intelligence*, n. 3538, pp. 89-98, Springer Verlag, 2005. [Best Student Paper Award]
- CP41. D. Pierrakos, G. Paliouras, C. Papatheodorou, V. Karkaletsis, M. Dikaiakos, “**Web Community Directories: A New Approach to Web Personalization**,” In Berendt et al. (Eds.), “*Web Mining: From Web to Semantic Web*”, *Lecture Notes in Computer Science*, n. 3209, pp. 113 – 129, Springer Verlag, 2004.
- CP40. G. Sigletos, G. Paliouras, C. D. Spyropoulos, P. Stamatopoulos, “**Stacked generalization for information extraction**,” In *Proceedings of the European Conference in Artificial Intelligence (ECAI)*, pp. 549 – 553, Valencia, Spain, 2004.
- CP39. A. Valarakos, G. Paliouras, V. Karkaletsis, G. Vouros, “**Enhancing the Ontological Knowledge through Ontology Population and Enrichment**,” In *Proceedings of the International Conference on Knowledge Engineering and Knowledge Management (EKAW)*, *Lecture Notes in Artificial Intelligence*, n. 3257, pp. 144-156, Springer Verlag, 2004.
- CP38. E. Michalakakis, I. Androutsopoulos, G. Paliouras, G. Sakkis, P. Stamatopoulos, “**Filtron: A Learning-Based Anti-Spam Filter**,” In *Proceedings of the first Conference on Email and Anti-Spam (CEAS)*, Mountain View, CA, USA, 2004.
- CP37. N. Karampatziakis, G. Paliouras, D. Pierrakos, P. Stamatopoulos, “**Navigation pattern discovery using grammatical inference**,” In *Proceedings of the 7th International Colloquium on Grammatical Inference (ICGI)*, *Lecture Notes in Artificial Intelligence*, n. 3264, pp. 184 - 195, Springer Verlag, 2004.
- CP36. G. Petasis, G. Paliouras, C. D. Spyropoulos, C. Halatsis, “**eg-GRIDS: Context-Free Grammatical Inference from Positive Examples using Genetic Search**,” In *Proceedings of the 7th International Colloquium on Grammatical Inference (ICGI)*, *Lecture Notes in Artificial Intelligence*, n. 3264, pp. 220 - 231, Springer Verlag, 2004.
- CP35. A. Valarakos, G. Paliouras, V. Karkaletsis, G. Vouros, “**A Name-Matching Algorithm for Supporting Ontology Enrichment**,” In *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN)*, *Lecture Notes in Artificial Intelligence*, n. 3025, pp. 381-389, Springer Verlag, 2004. Ποσοστό αποδοχής εργασιών: 35%.
- CP34. A. Grigoriadis, G. Paliouras, “**Focused Crawling using Temporal Difference-Learning**,” In *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN)*, *Lecture Notes in Artificial Intelligence*, n. 3025, pp. 142-153, Springer Verlag, 2004. Ποσοστό αποδοχής εργασιών: 35%.
- CP33. G. Sigletos, G. Paliouras, C. D. Spyropoulos, P. Stamatopoulos. “**Meta-learning beyond classification: A framework for information extraction from the Web**,” In *Proceedings of the International Workshop on Adaptive Text Extraction and Mining at the Joint European Conference on Machine Learning and on Principles and Practices of Knowledge Discovery in Databases (ECML/PKDD-2003)*, Cavtat-Dubrovnik, Croatia, September, 2003. Also published in Berendt et al. (Eds.), “*Web Mining: From Web to Semantic Web*”, *Lecture Notes in Computer Science*, n. 3209, pp. 97 – 112, Springer Verlag, 2004.
- CP32. G. Sigletos, G. Paliouras, C. D. Spyropoulos, M. Hatzopoulos. “**Mining Web sites using wrapper induction, named entities and post-processing**,” In *Proceedings of the 1st European Web Mining Forum Workshop at the Joint European Conference on Machine Learning and on Principles and Practices of Knowledge Discovery in Databases (ECML/PKDD-2003)*, Cavtat-Dubrovnik, Croatia, September, 2003.
- CP31. D. Pierrakos, G. Paliouras, C. Papatheodorou, V. Karkaletsis, M. Dikaiakos, “**Construction of Web Community Directories using Document Clustering and Web Usage Mining**,” In *Proceedings of the 1st European Web Mining Forum Workshop at the Joint European Conference on Machine Learning and on Principles and Practices of Knowledge Discovery in Databases (ECML/PKDD-2003)*, Cavtat-Dubrovnik, Croatia, September, 2003.
- CP30. A. Valarakos, G. Sigletos, V. karkaletsis, G. Paliouras, “**A Methodology for Semantically Annotating a Corpus Using a Domain Ontology and Machine Learning**,” In *Proceedings of the RANLP International Conference*, pp. 495-499, Borovets, Bulgaria, September, 2003.
- CP29. A. Valarakos, G. Sigletos, V. karkaletsis, G. Paliouras, G. Vouros, “**A Methodology for Enriching a Multi-Lingual Domain Ontology using Machine Learning**,” In *Proceedings of the 6th ICGI workshop on Text Processing for Modern Greek: from Symbolic to Statistical Approaches, held as part of the 6th International Conference in Greek Linguistics*, Rethymno, Crete, September, 2003.
- CP28. K. Stamatakis, V. Karkaletsis, G. Paliouras, J. Horlock, C. Grover, J. R. Curran, S. Dingare. “**Domain-Specific Web Site Identification: The CROSSMARC Focused Web Crawler**,” In *Proceedings of the Second International Workshop on Web Document Analysis (WDA 2003)*, Edinburgh, UK, August, 2003.
- CP27. G. Sigletos, D. Farmakiotou, K. Stamatakis, G. Paliouras, V. Karkaletsis. “**Annotating Web pages for the needs of Web Information Extraction applications**,” In *Proceedings of the 12th International WWW Conference* (poster), Budapest, Hungary, May 20-24, 2003
- CP26. D. Pierrakos, G. Paliouras, C. Papatheodorou, V. Karkaletsis, M. Dikaiakos, “**Construction of Web Community Directories by Mining Usage Data**,” In *Proceedings of the Hellenic Data Management Symposium (HDMS 2003)*, September, 2003.

- CP25. G. Petasis, V. Karkaletsis, G. Paliouras and C. D. Spyropoulos, “**Using the Ellogon Natural Language Engineering Infrastructure**,” In *Proceedings of the Workshop on Balkan Language Resources and Tools at the 1st Balkan Conference on Informatics (BCI 2003)*, November, 2003.
- CP24. G. Petasis, V. Karkaletsis, G. Paliouras, I. Androutsopoulos and C. D. Spyropoulos, “**Ellogon: A New Text Engineering Platform**,” *Proceedings of the International Conference on Language Resources and Evaluation (LREC)*, vol. I, pp. 72-78, Las Palmas, Spain, May, 2002.
- CP23. G. Sigletos, G. Paliouras, V. Karkaletsis, “**Role Identification From Free Text Using Hidden Markov Models**,” *Proceedings of the Panhellenic Conference in Artificial Intelligence (SETN), Lecture Notes in Artificial Intelligence*, Springer Verlag, n. 2308, pp. 167-178, 2002. Ποσοστό αποδοχής εργασιών: 35%.
- CP22. K. Koutroumbas, G. Paliouras, V. Karkaletsis and C.D. Spyropoulos, “**Comparison of Computational Learning Methods on a Diagnostic Cytological Application**,” *Proceedings of the European Symposium on Intelligent Technologies, Hybrid Systems and their implementation on Smart Adaptive Systems (EUNITE)*, pp. 500-508, Tenerife, Spain, 2001.
- CP21. A. Grigoriadis, G. Paliouras, V. Karkaletsis and C.D. Spyropoulos, “**Identifying Word Senses in Greek Text: A comparison of machine learning methods**,” *Proceedings of the European Workshop on Intelligent Forecasting, Diagnosis and Control (IFDICON)*, pp. 107-113, Santorini, Greece, 2001.
- CP20. D. Pierrakos, G. Paliouras, C. Papatheodorou and C.D. Spyropoulos, “**KOINOTITES: A Web Usage Mining Tool for Personalization**,” *Proceedings of the Panhellenic Conference on Human Computer Interaction (PC-HCI)*, pp. 231-236, Patras, 2001.
- CP19. G. Petasis, Frantz Vichou, Francis Wolinski, G. Paliouras, V. Karkaletsis, and C.D. Spyropoulos, “**Using Machine Learning to Maintain Rule-based Named-Entity Recognition and Classification Systems**”. *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*, pp. 426-433, Toulouse, 2001.
- CP18. G. Sakkis, I. Androutsopoulos, G. Paliouras, V. Karkaletsis, C.D. Spyropoulos and P. Stamatopoulos, “**Stacking classifiers for anti-spam filtering of e-mail**,” *Proceedings of the International Conference on Empirical Methods in Natural Language Processing (EMNLP)*, pp. 44-50, Carnegie Mellon University, 2001.
- CP17. G. Petasis, A. Cucchiarelli, P. Velardi, G. Paliouras, V. Karkaletsis, and C.D. Spyropoulos, “**Automatic adaptation of proper noun dictionaries through co-operation of machine learning and probabilistic methods**”. *Proceedings of the 23rd ACM SIGIR Conference on R&D in IR (SIGIR)*, pp. 128-135, Athens, Greece, 2000.
- CP16. G. Paliouras, C. Papatheodorou, V. Karkaletsis and C.D. Spyropoulos, “**Clustering the Users of Large Web Sites into Communities**,” *Proceedings of the International Conference on Machine Learning (ICML)*, pp. 719-726, Stanford, California, 2000.
- CP15. G. Paliouras, V. Karkaletsis, G. Petasis, and C.D. Spyropoulos, “**Learning Decision Trees for Named-Entity Recognition and Classification**”, *Proceedings of the Workshop "Machine Learning for Information Extraction", European Conference in Artificial Intelligence (ECAI)*, Berlin, Germany, 2000.
- CP14. G. Petasis, S. Petridis, G. Paliouras, V. Karkaletsis, S. Perantonis, and C.D. Spyropoulos, “**Symbolic and Neural Learning for Named-Entity Recognition**”. *Proceedings of the Symposium on Computational Intelligence and Learning (COIL)*, pp. 58-66, Chios, Greece, 2000.
- CP13. I. Androutsopoulos, G. Paliouras, V. Karkaletsis, G. Sakkis, C.D. Spyropoulos and P. Stamatopoulos. “**Learning to Filter Spam E-Mail: A Comparison of a Naive Bayesian and a Memory-Based Approach**”. *Proceedings of the Workshop "Machine Learning and Textual Information Access", European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD)*, pp. 1-13, Lyon, France, 2000.
- CP12. I. Androutsopoulos, J. Koutsias, K.V. Chandrinou, G. Paliouras, and C.D. Spyropoulos, “**An Evaluation of Naive Bayesian Anti-Spam Filtering**”. *Proceedings of the Workshop on Machine Learning in the New Information Age, 11th European Conference on Machine Learning (ECML)*, pp. 9-17, Barcelona, Spain, 2000.
- CP11. G. Paliouras, C. Papatheodorou, V. Karkaletsis, P.Tzitziras and C.D. Spyropoulos, “**Large-Scale Mining of Usage Data on Web Sites**,” *Proceedings of the AAAI Spring Symposium on Adaptive User Interfaces*, Stanford, California, 2000.
- CP10. G. Petasis, G. Paliouras, V. Karkaletsis, C.D. Spyropoulos and I. Androutsopoulos, “**Using Machine Learning Techniques for Part-of-Speech Tagging in the Greek Language**”, *Advances in Informatics: Proceedings of the Panhellenic Conference on Informatics (EPY)*, D.I. Fotiadis and S.D. Nikolopoulos (eds.), pp. 273-281, World Scientific, 2000.
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- CP7. G. Paliouras, V. Karkaletsis, C. Papatheodorou and C.D. Spyropoulos, “**Exploiting Learning Techniques for the Acquisition of User Stereotypes and Communities,**” *Proceedings of the International Conference on User Modelling (UM), CISM Courses and Lectures*, n. 407, pp. 169-178, Springer-Verlag, 1999.
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- CP5. G. Paliouras, V. Karkaletsis and C.D. Spyropoulos, “**Learning Rules for Large Vocabulary Word Sense Disambiguation,**” *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI '99)*, v. 2, pp. 674-679, 1999.
- CP4. G. Paliouras, V. Karkaletsis and C.D. Spyropoulos, “**Machine Learning for Domain-Adaptive Word Sense Disambiguation,**” *Proceedings of the Workshop on Adapting Lexical and Corpus Resources to Sublanguages and Applications, International Conference on Language Resources and Evaluation*, Granada, Spain, May 26, 1998.
- CP3. G. Paliouras, C. Papatheodorou, V. Karkaletsis, C.D. Spyropoulos and V. Malaveta, “**Learning User Communities for Improving the Services of Information Providers,**” *Proceedings of the European Conference on Research and Advanced Technology for Digital Libraries (ECDL), Lecture Notes in Computer Science*, n. 1513, pp. 367-384, Springer-Verlag, 1998.
- CP2. G. Paliouras and D.S. Brée, “**Adaptive Event Recognition with the use of Limited Training Data,**” In *Recent Advances in Information Science and Technology: Proceedings of the IMACS International Conference on Circuits, Systems and Computers (IMACS-CSC)*, N.E. Mastorakis (ed.), pp. 225-232, World Scientific, 1998.
- CP1. G. Paliouras and D.S. Brée, “**The Effect of Numeric Features on the Scalability of Inductive Learning,**” *Proceedings of the European Conference on Machine Learning (ECML), Lecture Notes in Artificial Intelligence*, n. 912, pp. 218-231, Springer-Verlag, 1995.

Participation of Georgios Paliouras in RTD Projects

Projects in which I have the role of Scientific and/or Technical Manager are marked by “⇒”

- ⇒ **CASAM** (Computer-Aided Semantic Analysis of Multimedia). EU IST project (Start 2008). Consortium: Intrasoft International (Luxembourg) (coordinator), NCSR "Demokritos" (Greece), Hamburg University of Technology (Germany), University of Birmingham (UK), ATC SA (Greece), Deutsche Welle (Germany), Lusa: Agência de Notícias de Portugal (Portugal), European Journalism Centre (Netherlands). **Scientific Manager for NCSR "Demokritos"**.
- ⇒ **SERVIVE** (SERVice oriented Intelligent Value adding nEtwork for clothing-SMEs embarking in mass-customisation). EU NMP project (Start 2008). Consortium: ATC SA (Greece), (coordinator), RWTH-Aachen (Germany), Customax (Netherlands), UNICATUM (Germany), Silva & Sistelo SA (Portugal), Adidas AG (Germany), Digital Humans (Switzerland), Bekleidungsphysiologisches Institut Hohenstein (Germany), Miralab – University of Geneva (Switzerland), Institut Francais du Textile et d' Habillement (France), NCSR "Demokritos" (Greece), The University of the Arts London (UK), School of Art & Design – Nottingham Trent University (UK), StudioDemetra (Italy), Team Colours Ltd (UK). **Scientific Manager for NCSR "Demokritos"**.
- ⇒ **BOEMIE** (Bootstrapping Ontology Evolution with Multimedia Information Extraction). EU IST project (Start 2006). Consortium: NCSR "Demokritos" (Greece) (coordinator), Fraunhofer-Gesellschaft / IMK (Germany), Milan University (Italy), Hamburg University of Technology (Germany), CERTH-ITI (Greece), Tele Atlas (The Netherlands). **Technical Manager for the whole project**.
- ⇒ **DELATIO** (Multimedia Content Analysis, using Evolving Ontologies – Case Study TV News). Greek Information Society project (Start 2006). ATC SA (Coordinator), NCSR "Demokritos", CERTH-ITI, NTUA-ICCS, Athens News Agency. **Scientific Manager for NCSR "Demokritos"**.
- **MedIEQ** (Quality Labelling of Medical Web content using Multilingual Information Extraction). EU Public Health project (Start 2006). Consortium: NCSR "Demokritos" (Greece) (coordinator), Universidad Nacional de Education a Distancia - UNED (Spain), Medical Association of Barcelona - COMB (Spain), Agency for Quality in Medicine – AQUMED (Germany), University of Economics in Prague (Czech Republic), Helsinki University of Technology (Finland), i-sieve Technologies Ltd. (Greece), Geneva University Hospitals (Switzerland).
- **SemVeillance** (Semantic Analysis of Multimedia Information for Surveillance Applications). Greek Information Society project (Start 2006). Zinon SA (coordinator), NCSR "Demokritos", NTUA-ICCS.
- **OntoSum** (Ontology Management and Use to Support Summarization). Greek PENED project (Start 2005). Consortium: NCSR "Demokritos" (coordinator), Aegean University, Exodus SA.
- ⇒ **PAVET-NE 04BEN100** (Advanced Sales Support System, using Customer Behaviour Analysis). Greek PAVET project (Start 2005). Consortium: AGILTECH A.E. (coordinator), Marinakis and Co. – PMCS, NCSR "Demokritos" (sub-contractor). **Scientific Manager for NCSR "Demokritos"**.
- **KDubiq** (A Blueprint for Ubiquitous Knowledge Discovery Systems), EU IST project (Start 2005).
- ⇒ **SHARE** (Mobile support for rescue forces, integrating multiple modes of interaction). EU IST project (Start 2004). Consortium: Fraunhofer-Gesellschaft / IMK (Germany) (coordinator), Telisma S.A. (France), Siemens AG (Austria), Loquendo SpA (Italy), Aristotle University Thessaloniki (Greece), NCSR "Demokritos" (Greece), Tele Atlas (The Netherlands), Fire Department Dortmund (Germany), University of Paderborn / CIK (Germany). **Scientific Manager NCSR "Demokritos"**.
- **QUATRO** (Quality Assurance and Content Description). EU IST project (Start 2004). Consortium: Pira International (G. Britain) (coordinator), NCSR "Demokritos" (Greece), The Internet Quality Agency – IQUA (Spain), ECP.NL (The Netherlands), The Internet Content Rating Association – ICRA (G. Britain), ERCIM (France), Web Mèdica Acreditada (Spain), Milan University (Italy), Coolwave Ltd. (G. Britain).
- **PA_CO_CLIR** (Parallel, Content-based, Cross-lingual Information Retrieval). Greek ARCHIMIDES project (Start 2004). TEI Athens (coordinator), TEI Kavalas, NCSR "Demokritos".
- **PASCAL** (Pattern Analysis, Statistical Modelling and Computational Learning), EU IST project (Start 2003).
- ⇒ **Multi-Mine** (Research and Training Network on Knowledge Discovery from Multimedia), Greek EPAN Research Network, (2003-2005). CERTH-ITI (coordinator), NCSR "Demokritos", Technical University of Crete, NTUA-ICCS, University of Thrace - IIET, University of Patras, SYSTEMA Technologies SA, GNOMON Informatics SA. **Scientific Manager for NCSR "Demokritos"**.
- **SIFT** (Solution for Internet Combined Filtering). EU IST project (2002-2003). Consortium: RED EDUCATIVA S.A. (Spain) (coordinator), Internet Content Rating Association (G. Britain), NCSR "Demokritos" (Greece).
- **CROSSMARC** (Cross-lingual Multi-agent Retail Comparison). EU IST project (2001-2003). Consortium: NCSR "Demokritos" (Greece) (coordinator), Edinburgh University (G. Britain), University Tor Vergata (Italy), VeltiNet SA (Greece), Informatique CDC (France), Internet Commerce Network (France).

- **Web-C-Mine** (*Discovery of Web Usage from Cache Proxy Access Logs*). Bilateral Cooperation Greece - Cyprus (2001-2003). Consortium: NCSR "Demokritos" (Greece), University of Cyprus, Intercollege (Cyprus).
- **M-PIRO** (*Multi-lingual Personalised Information Objects*). EU IST project (2000-2003). Consortium: Edinburgh University (G. Britain) (coordinator), ITC-IRST (Italy), NCSR "Demokritos" (Greece), Athens University, Foundation of the Hellenic World (Greece), System Simulation Ltd. (G. Britain).
- **HELDiNET** (*Research Network on the Dissemination and Use of New Database Technologies*). Greek EPET Research Network (1999-2001).
- **Research Network "Artificial Intelligence"**. Greek EPET Research Network (1999-2001).
- **ADIET** (*Adaptive Information Extraction Technology*). Bilateral Cooperation Project Greece - France (1999-2001). Consortium: NCSR "Demokritos" (Greece), Informatique CDC (Groupe Caisse des Depots et Consignations) (France), Kalofolias SA (Greece).
- **ANET** (*Adaptive Named-Entity Recognition Technology*). Bilateral Cooperation Project Greece - Italy (1999-2001). Consortium: NCSR "Demokritos", University της Ancona (Italy), University of Rome "La Sapienza" (Italy).
- **MITOS** (*Information retrieval and Knowledge Discovery System – Case Study Financial News*). Greek EPET project (1999-2001). Consortium: NCSR "Demokritos" (coordinator), Athens University of Economics and Business, University of Piraeus, University of Patras, KnowledgeSA, Sena SA., Kalofolias SA.
- **AUTONOMA** (*Automatic Extraction of Grammar Rules for Named Entity Recognition in Greek Texts*). Greek EPET project (1999-2001). Consortium: Software and Knowledge Engineering & Neural Network Labs of the Institute of Informatics and Telecommunications of NCSR "Demokritos".
- **KOINOTITES** (*Automatic Discovery of User Communities in Digital Libraries*). Internal DEMOEREUNA Project (1999-2001). Consortium: Institute of Informatics and Telecommunications, Institute of Physical Chemistry and the Library of NCSR "Demokritos".
- **ECRAN** (*Extraction of Content: research at near-market*). EU Language Engineering project (1995-1999). Consortium: Thomson-CSF (France) (coordinator), University of Ancona (Italy), University of Rome "Tor Vergata" (Italy), Smart Information Services GmbH (Germany), NCSR "Demokritos" (Greece), University Friburg (Switzerland), Sheffield University (G. Britain).
- **GIE** (*Greek Information Extraction*). Bilateral Cooperation Project Greece – G. Britain (1997-1999). Consortium: NCSR "Demokritos" (Greece), Sheffield University (G. Britain).