

Ion (Ioannis) Androutsopoulos
Curriculum Vitae

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1. CONTACT INFORMATION

Postal address: Department of Informatics,
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2. RESEARCH INTERESTS

Artificial Intelligence, especially **natural language processing**, and particularly:

- natural language **question answering** for databases, ontologies, document collections, and the Web,
- **natural language generation** from databases and ontologies, especially Semantic Web ontologies,
- **text summarization**, including **sentence compression**,
- **paraphrasing** and **textual entailment**, and their use in question answering and text summarization,
- **document classification**, mostly for **anti-spam e-mail filtering**, but also for Web pages classification,
- **natural language processing tools** for Greek, for example part-of-speech taggers and named-entity recognizers,
- **machine learning** in natural language processing.

3. STUDIES

1992–96: Department of Artificial Intelligence, University of Edinburgh, U.K. **PhD in Artificial Intelligence**. Thesis title: *A Principled Framework for Constructing Natural Language Interfaces to Temporal Databases*.

1991–92: Department of Artificial Intelligence, University of Edinburgh, U.K. **MSc in Information Technology/Knowledge-Based Systems**, Natural Language Processing theme. (Official graduation: 1994). Grade: distinction (excellent). Dissertation title: *Interfacing a Natural Language Front-End to a Relational Database*. Dissertation grade: A (excellent).

1986–91: Department of Electrical Engineering, National Technical University of Athens, Greece. “**Diploma**” in **Electrical Engineering** (5-year MSc-level studies), Computer Engineering theme. Grade: 9.06/10 (excellent). Dissertation title: *Construction of a Lexical and Syntax Analyzer for Modern Greek*. Dissertation grade: 10/10 (excellent).

4. SCHOLARSHIPS AND AWARDS

2000–02: **Post-doctoral fellowship of the Greek National Centre of Scientific Research (N.C.S.R.) “Demokritos”**. Awarded by review to Research Associates with qualifications of grade D Researcher (corresponding to Lecturer).

1992–96: **Scholarship of the State Scholarships Foundation (S.S.F.)** for post-graduate studies abroad. Awarded by written examinations. It covered my Ph.D. studies.

1992: Scholarship of the Evgenidion Foundation for post-graduate studies abroad. Awarded by recommendation of the senate of the National Technical University of Athens. I did not use the scholarship, because of S.S.F.'s scholarship.

1991: Arthur Andersen Award for the highest “Diploma” grade among the 1991 graduates of the Computer Engineering theme of the Department of Electrical Engineering of N.T.U.A.

1991 and 1990: Awards of the Technical Chamber of Greece for my grades in the 4th and 5th year of studies at N.T.U.A.

1990: “I. Kollias” Award of N.T.U.A. for the highest grade in the Databases course.

5. WORK EXPERIENCE

2007–present: Assistant Professor, Department of Informatics, Athens University of Economics and Business (A.U.E.B.).

2002–2007: Lecturer, Department of Informatics, A.U.E.B.

2000–02: Post-doctoral Fellow, Software and Knowledge Engineering Laboratory, Institute of Informatics and Telecommunications, N.C.S.R. “Demokritos”.

1998–2000: Research Associate, Software and Knowledge Engineering Laboratory, Institute of Informatics and Telecommunications, N.C.S.R. “Demokritos”.

1997–98: Military service (18 months), Hellenic Army. Specialty: Computer Programmer.

1996–97: Research Scientist, Language Technology Group, Microsoft Research Institute, Macquarie University, Sydney, Australia.

6. TEACHING EXPERIENCE

6.1 Undergraduate courses

- *Artificial Intelligence* (2002–03 to present). Department of Informatics, A.U.E.B.
- *Computer Programming in C++* (2001–02 to 2008–09). Department of Informatics, A.U.E.B.
- *Human-Computer Interaction* (2002–03). Department of Informatics, A.U.E.B.

6.2 Postgraduate courses

- *Logic and Artificial Intelligence* (2003–04 to present). Department of Informatics, A.U.E.B.
- *Language Technology* (2010–11 to present). Department of Informatics, A.U.E.B.

7. PUBLICATIONS

7.1 Books

B1. I. Androutsopoulos, *Exploring Time, Tense and Aspect in Natural Language Database Interfaces*, John Benjamins, 2002.

7.2 Journal articles

J9. I. Androutsopoulos and P. Malakasiotis, “A Survey of Paraphrasing and Textual Entailment Methods”. *Journal of Artificial Intelligence Research*, 38:135–187, 2010.

J8. P. Constantopoulos, C. Dallas, I. Androutsopoulos, S. Angelis, A. Deligiannakis, D. Gavrilis, Y. Kotidis and C. Papatheodorou, “DCC&U: An Extended Digital Curation Lifecycle Model”. *International Journal of Digital Curation*, 1(4):34–45, 2009.

J7. E.F. Mageirou, D.K. Vassilakis and I. Androutsopoulos, “Teaching Nonzero Sum Games Using a Diagrammatic Determination of Equilibria”. *INFORMS Transactions on Education*, 8(3):115–124, 2008.

J6. G. Lucarelli, X. Vasilakos and I. Androutsopoulos, “Named Entity Recognition in Greek Texts with an Ensemble of Support Vector Machines and Active Learning”. *International Journal on Artificial Intelligence Tools*, 16(6):1015–1045, World Scientific, 2007.

J5. I. Androutsopoulos, J. Oberlander and V. Karkaletsis, “Source Authoring for Multilingual Generation of Personalised Object Descriptions”. *Natural Language Engineering*, 13(3):191–233, Cambridge University Press, 2007.

J4. A. Isard, J. Oberlander, I. Androutsopoulos and C. Matheson, “Speaking the Users' Languages”. *IEEE Intelligent Systems*, special issue on Advances in Natural Language Processing, 18(1):40–45, 2003.

J3. 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*, 6(1):49–73, Kluwer, 2003.

J2. I. Androutsopoulos, G.D. Ritchie and P. Thanisch, “Time, Tense and Aspect in Natural Language Database Interfaces”. *Natural Language Engineering*, 4(3): 229–276, Cambridge University Press, 1998.

J1. I. Androutsopoulos, G.D. Ritchie and P. Thanisch, “Natural Language Interfaces to Databases – An Introduction”. *Natural Language Engineering*, 1(1):29–81, Cambridge University Press, 1995.

7.3 Book chapters

K3. J. Calder, A.C. Melengoglou, C. Callaway, E. Not, F. Pianesi, I. Androutsopoulos, C.D. Spyropoulos, G. Xydias, G. Kouroupetroglou and M. Roussou, “Multilingual Personalized Information Objects”. In O. Stock and M. Zancanaro (Eds.), *Multimodal Intelligent Information Presentation*, pp. 177–201, Springer, 2005.

K2. I. Androutsopoulos and M. Aretoulaki, “Natural Language Interaction”. Chapter 35 in R. Mitkov (Ed.), *Handbook of Computational Linguistics*, pp. 629–649, Oxford University Press, 2003.

K1. I. Androutsopoulos and G.D. Ritchie, “Database Interfaces”. Chapter 9 in R. Dale, H. Moisl and H. Somers (Eds.), *Handbook of Natural Language Processing*, pp. 209–240, Marcel Dekker, 2000.

7.4 Conference articles (peer reviewed)

C33. P. Malakasiotis and I. Androutsopoulos, “A Generate and Rank Approach to Sentence Paraphrasing”. Proceedings of the *Conference on Empirical Methods on Natural Language Processing* (EMNLP 2011), Edinburgh, UK, pp. 96–106, 2011.

C32. D. Galanis and I. Androutsopoulos, “A New Sentence Compression Dataset and Its Use in an Abstractive Generate-and-Rank Sentence Compressor”. Proceedings of the *Language Generation and Evaluation Workshop* (UCNLG+Eval), at the *Conference on Empirical Methods on Natural Language Processing* (EMNLP 2011), Edinburgh, UK, pp. 1–11, 2011.

C31. D. Galanis and I. Androutsopoulos, “An Extractive Supervised Two-Stage Method for Sentence Compression”. Proceedings of *Human Language Technologies: The 11th Annual Conference of the North American Chapter of the Association for Computational Linguistics* (HLT-NAACL 2010), Los Angeles, CA, USA, pp. 885–893, 2010.

C30. G. Lampouras and I. Androutsopoulos, “Finding Short Definitions of Terms on Web Pages”. Proceedings of the *2009 Conference on Empirical Methods in Natural Language Processing* (EMNLP 2009), Suntec, Singapore, pp. 1270–1279, 2009.

C29. D. Vogiatzis, D. Galanis, V. Karkaletsis, I. Androutsopoulos and C.D. Spyropoulos, “A Conversant Robotic Guide to Art Collections”. Proceedings of the *2nd Workshop on Language Technology for Cultural Heritage Data, 6th International Conference on Language Resources and Evaluation* (LREC 2008), Marrakech, Morocco, 2008.

C28. J. Oberlander, G. Karakatsiotis, A. Isard and I. Androutsopoulos, “Building an Adaptive Museum Gallery in Second Life”. Proceedings of *Museums and the Web*, Montreal, Quebec, Canada, 2008.

C27. P. Malakasiotis and I. Androutsopoulos, “Learning Textual Entailment using SVMs and String Similarity Measures”. Proceedings of the *ACL-PASCAL Workshop on Textual Entailment and Paraphrasing, 45th Annual Meeting of the Association for Computational Linguistics* (ACL 2007), Prague, Czech Republic, pp. 42–47, 2007.

C26. D.K. Vassilakis, I. Androutsopoulos and E.F. Mageirou, “A Game-Theoretic Investigation of the Effect of Human Interactive Proofs on Spam E-mail”. Proceedings of the *4th Conference on Email and Anti-Spam* (CEAS 2007), Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2007.

C25. D. Galanis and I. Androutsopoulos, “Generating Multilingual Descriptions from Linguistically Annotated OWL Ontologies: the NaturalOWL System”. Proceedings of the *11th European Workshop on Natural Language Generation* (ENLG 2007), Schloss Dagstuhl, Germany, pp. 143–146, 2007.

C24. G. Tsatsaronis, M. Vazirgiannis and I. Androutsopoulos, “Word Sense Disambiguation with Spreading Activation Networks Generated from Thesauri”. Proceedings of the *20th International Joint Conference on Artificial Intelligence* (IJCAI 2007), Hyderabad, India, pp. 1725–1730, 2007.

- C23.** V. Metsis, I. Androutsopoulos and G. Paliouras, “Spam Filtering with Naive Bayes – Which Naive Bayes?”. Proceedings of the *3rd Conference on Email and Anti-Spam (CEAS 2006)*, Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2006.
- C22.** G. Lucarelli and I. Androutsopoulos, “A Greek Named-Entity Recognizer that Uses Support Vector Machines and Active Learning”. Proceedings of the *4th Hellenic Conference on Artificial Intelligence (SETN 2006)*, Herakleion, Crete, Greece, 2006.
- C21.** I. Androutsopoulos and D. Galanis, “A Practically Unsupervised Learning Method to Identify Single-Snippet Answers to Definition Questions on the Web”. Proceedings of the *Human Language Technology Conference and the Conference on Empirical Methods in Natural Language Processing (HLT/EMNLP 2005)*, Vancouver, Canada, pp. 323–330, 2005.
- C20.** I. Androutsopoulos, E.F. Mageirou and D.K. Vassilakis, “A Game Theoretic Model of Spam E-Mailing”. Proceedings of the *2nd Conference on Email and Anti-Spam (CEAS 2005)*, Stanford University, CA, U.S.A., 2005.
- C19.** I. Androutsopoulos, S. Kallonis and V. Karkaletsis, “Exploiting OWL Ontologies in the Multilingual Generation of Object Descriptions”. Proceedings of the *10th European Workshop on Natural Language Generation (ENLG 2005)*, Aberdeen, U.K., pp. 150–155, 2005.
- C18.** S. Miliaraki and I. Androutsopoulos, “Learning to Identify Single-Snippet Answers to Definition Questions”. Proceedings of the *20th International Conference on Computational Linguistics (COLING 2004)*, Geneva, Switzerland, pp. 1360–1366, 2004.
- C17.** E. Michelakis, I. Androutsopoulos, G. Paliouras, G. Sakkis and P. Stamatopoulos, “Filtron: A Learning-Based Anti-Spam Filter”. Proceedings of the *1st Conference on Email and Anti-Spam (CEAS 2004)*, Mountain View, CA, U.S.A., 2004.
- C16.** A. Dimitromanolaki and I. Androutsopoulos, “Learning to Order Facts for Discourse Planning in Natural Language Generation”. Proceedings of the *9th European Workshop on Natural Language Generation, 10th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2003)*, Budapest, Hungary, pp. 23–30, 2003.
- C15.** I. Androutsopoulos, D. Spiliotopoulos, K. Stamatakis, A. Dimitromanolaki, V. Karkaletsis and C.D. Spyropoulos, “Symbolic Authoring for Multilingual Natural Language Generation”. In I.P. Vlahavas and C.D. Spyropoulos (Eds.), *Methods and Applications of Artificial Intelligence* (proceedings of the *2nd Hellenic Conference on Artificial Intelligence – SETN 2002*), Thessaloniki, Greece, pp. 131–142. Lecture Notes in Artificial Intelligence 2308, Springer, 2002.
- C14.** G. Petasis, V. Karkaletsis, G. Paliouras, I. Androutsopoulos and C.D. Spyropoulos, “Ellogon: A New Text Engineering Platform”. Proceedings of the *3rd International Conference on Language Resources and Evaluation (LREC 2002)*, Las Palmas, Canary Islands, Spain, pp. 72–78, 2002.
- C13.** G. Petasis, V. Karkaletsis, D. Farmakiotou, I. Androutsopoulos and C.D. Spyropoulos, “A Greek Morphological Lexicon and its Exploitation by a Greek Controlled Language Checker”. Proceedings of the *8th Panhellenic Conference in Informatics (EPY 2001)*, Nicosia, Cyprus, vol. 1, pp. 80–89, 2001.
- C12.** 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

6th Conference on Empirical Methods in Natural Language Processing (EMNLP 2001), pp. 44–50, Carnegie Mellon University, Pittsburgh, U.S.A., 2001.

C11. I. Androutsopoulos, J. Koutsias, K.V. Chandrinou and C.D. Spyropoulos, “An Experimental Comparison of Naive Bayesian and Keyword-Based Anti-Spam Filtering with Personal E-Mail Messages”. Proceedings of the *23rd Annual International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2000)*, Athens, Greece, pp. 160–167, 2000.

C10. I. Androutsopoulos and R. Dale, “Selectional Restrictions in HPSG”. Proceedings of the *18th International Conference on Computational Linguistics (COLING 2000)*, Saarbrücken, Germany, pp. 15–20, 2000.

C9. 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 2000)*, Barcelona, Spain, pp. 9–17, 2000.

C8. 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 on Machine Learning and Textual Information Access, 4th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2000)*, Lyon, France, pp. 1–13, 2000.

C7. K.V. Chandrinou, I. Androutsopoulos, G. Paliouras and C.D. Spyropoulos, “Automatic Web Rating: Filtering Obscene Content on the Web”. Proceedings of the *4th European Conference on Research and Advanced Technology for Digital Libraries (ECDL 2000)*, Lisbon, Portugal, pp. 403–406, 2000.

C6. G. Paliouras, V. Karkaletsis, I. Androutsopoulos and C.D. Spyropoulos, “Learning Rules for Large-Vocabulary Word Sense Disambiguation: a Comparison of Various Classifiers”. Proceedings of the *2nd International Conference on Natural Language Processing (NLP 2000)*, Patra, Greece. Lecture Notes in Artificial Intelligence, 1835, pp. 383–394, Springer, 2000.

C5. I. Androutsopoulos, “Temporal Meaning Representations in a Natural Language Front-End”. In M. Gergatsoulis and P. Rondogiannis (Eds.), *Intensional Programming II* (Proceedings of the *12th International Symposium on Languages for Intensional Programming*, Athens, 1999), pp. 197–213, World Scientific, 2000.

C4. G. Petasis, G. Paliouras, V. Karkaletsis, C.D. Spyropoulos and I. Androutsopoulos, “Resolving Part-of-Speech Ambiguity in the Greek Language Using Learning Techniques”. *Machine Learning in Human Language Technology* (Proceedings of the ACAI Workshop), N. Fakotakis et al. (Eds.), pp. 29–34, Chania, Greece, 1999.

C3. I. Androutsopoulos, G.D. Ritchie and P. Thanisch, “A Framework for Natural Language Interfaces to Temporal Databases”. Proceedings of the *20th Australasian Computer Science Conference*, Sydney, Australia. Australian Computer Science Communications, 19(1):307–315, 1997.

C2. I. Androutsopoulos, G.D. Ritchie and P. Thanisch, “Experience Using TSQL2 in a Natural Language Interface”. In J. Clifford and A. Tuzhilin (Eds.), *Recent Advances in Temporal Databases* (Proceedings of the *International Workshop on Temporal Databases*, Zurich, Switzerland), pp. 113–132. Springer-Verlag, Workshops in Computing Series, 1995.

C1. I. Androutsopoulos, G.D. Ritchie and P. Thanisch, “MASQUE/SQL: an Efficient and Portable Natural Language Query Interface for Relational Databases”. Proceedings of the *6th International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems*, pp. 327–330, Edinburgh, U.K., 1993.

7.4 System demonstrations at conferences

S5. D. Galanis, G. Karakatsiotis, G. Lampouras and I. Androutsopoulos, “An Open-Source Natural Language Generator for OWL Ontologies and its Use in Protégé and Second Life”. System demonstration, *12th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2009)*, Athens, Greece, 2009.

S4. S. Konstantopoulos, A. Tegos, D. Bilidas, I. Androutsopoulos, G. Lampouras, P. Malakasiotis, C. Matheson and O. Deroo, “Adaptive Natural Language Interaction”. System demonstration, *12th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2009)*, Athens, Greece, 2009.

S3. G. Karakatsiotis, D. Galanis, G. Lampouras and I. Androutsopoulos, “NaturalOWL: Generating Texts from OWL Ontologies in Protege and in Second Life”. System demonstration, *18th European Conference on Artificial Intelligence (ECAI 2008)*, Patras, Greece, 2008.

S2. S. Konstantopoulos, I. Androutsopoulos, H. Baltzakis, V. Karkaletsis, C. Matheson, A. Tegos and P. Trahanias, “INDIGO: Interaction with Personality and Dialogue Enabled Robots”. System demonstration, *18th European Conference on Artificial Intelligence (ECAI 2008)*, Patras, Greece, 2008.

S1. V. Karkaletsis, G. Samaritakis, G. Petasis, D. Farmakiotou, I. Androutsopoulos, S. Markantonatou and C.D. Spyropoulos, “A Controlled Language Checker Based on the Ellogon Text Engineering Platform”. System demonstration, *2nd Meeting of the North American Chapter of the Association for Computational Linguistics (NAACL 2001)*, Carnegie Mellon University, Pittsburgh, USA, pp. 74–75 (companion volume), 2001.

8. PARTICIPATION IN RESEARCH PROJECTS

– “INDIGO – Interaction with Personality and Dialogue Enabled Robots” (2007–10). European I.S.T. project. Partners: Foundation for Research and Technology – Hellas (coordinator), University of Edinburgh, Albert-Ludwigs University of Freiburg, A.U.E.B., University of Geneva, Neobotix, Acapela Group, Hanson Robotics, Foundation of the Hellenic World, N.C.S.R. “Demokritos”. Principal Investigator of A.U.E.B.

– “XENIOS: User-Robot Interaction Based on Visual Perception, Speech Processing, and Natural Language Generation for Use in Robotic Guidance Systems” (2006–07). Project of the Greek «Information Society” programme. Partners: Foundation for Research and Technology – Hellas (coordinator), Foundation of the Hellenic World, A.U.E.B., N.C.S.R. “Demokritos”, Erevnites A.E.E.E. Principal Investigator of A.U.E.B.

– “Combined Research in the Areas of Information Retrieval, Natural Language Processing, and User Modeling Aiming at the Development of Advanced Search engines for Document Collections” (2006–08). Greek P.E.N.E.D. project. Partners: A.U.E.B., Archetypon.

– “CROSSMARC: Cross-lingual Multi-Agent Retail Comparison” (2001–03). European I.S.T. project. Partners: N.C.S.R. “Demokritos”, (coordinator), University of Edinburgh, Tor Vergata University, VeltiNet A.E., Informatique C.D.C., Internet Commerce Network.

- “M-PIRO: Multi-lingual Personalised Information Objects” (2000–03). European I.S.T. project. Partners: University of Edinburgh (coordinator), ITC-IRST, N.C.S.R. “Demokritos”, National and Kapodistrian University of Athens, Foundation of the Hellenic World, System Simulation Ltd.
- “HYGEIOROBOT: Navigation and Control of a Health Service Robot” (2000–01). Greek P.E.N.E.D. project. Partners: N.T.U.A. (coordinator), N.C.S.R. “Demokritos”, University of Piraeus.
- “FILTERIX: Web Page Filtering System” (2000–04). Internal project of N.C.S.R. “Demokritos”.
- “MITOS: Information Retrieval and Mining System – Application to Financial News” (1999–2001). Greek E.P.E.T. project. Partners: N.C.S.R. “Demokritos” (coordinator), A.U.E.B., University of Piraeus, University of Patras, Knowledge A.E., Sena A.E.B.E., Kalofolias A.E.
- “SCHEMATOPOIESIS: Integrated Environment for the Development and Utilization of Sublanguages of Greek” (1999–2001). National E.P.E.T. project. Partners: Institute for Language and Speech Processing (coordinator), N.T.U.A., N.C.S.R. “Demokritos”, Unisoft, Altec.
- “ECRAN: Extraction of Content – Research at Near-Market” (1995–1999). European Language Engineering project. Partners: Thomson-CSF (coordinator), University of Ancona, University Tor Vergata, Smart Information Services GmbH, N.C.S.R. “Demokritos”, Freiburg University, University of Sheffield.

9. PATENTS

- C.D. Spyropoulos, K. Chandrinos, G. Paliouras, E. Karkaletsis and I. Androutsopoulos, “Method for Probabilistic Information Fusion to Filter Multi-Lingual, Semi-Structured and Multimedia Electronic Content”. Patent no. 1005379, Greek Industrial Property Organization, 2006. Submitted to the European Patent Office.

10. OTHER QUALIFICATIONS

- Research Fellow of the Digital Curation Unit, Institute for the Management of Information Systems (IMIS), “Athena” Research Centre, Athens, Greece (2007 – present).
- Citations (based on data collected in July 2010): 506 citations according to Scopus (<http://www.scopus.com/>), excluding self-citations. 961 citations, G-Index: 29, H-Index: 13 according to Microsoft Academic Search (<http://academic.research.microsoft.com/>), not excluding self-citations. 2,164 citations, G-Index: 46, H-Index: 18 according to Publish or Perish (<http://www.harzing.com/pop.htm>), not excluding self-citations.
- Reviewer of the journals: *Natural Language Engineering*, *Machine Learning*, *ACM Transactions on Internet Technologies*, *ACM Computing Surveys*, *Communications of the ACM*, *Research on Language and Computation*, *Applied Artificial Intelligence*, *Artificial Intelligence in Medicine*, *Computers and Security*, *Universal Access in the Information Society* etc.
- Member of the Program Committee of the following conferences:
 - 25th *Conference on Artificial Intelligence* (AAAI 2011), San Francisco, CA, USA, 2011.

- *European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD 2011)*, Athens, Greece, 2011.
- *49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies (ACL-HLT 2011)*, Portland, OR, USA, 2011.
- *Joint ECML/PKDD – PASCAL Workshop on Large-Scale Hierarchical Classification (LSHC), European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD)*, Athens, Greece, 2011.
- *Conference on Empirical Methods in Natural Language Processing (EMNLP 2010)*, MIT, MA, USA, 2010. Best reviewers award (awarded to 86 out of 460 reviewers).
- *7th Collaboration, Electronic Messaging, Anti-Abuse and Spam Conference (CEAS 2010)*, Redmond, WA, USA, 2010.
- *Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities (LaTeCH), 19th European Conference on Artificial Intelligence (ECAI 2010)*, Lisbon, Portugal, 2010.
- *6th Hellenic Conference on Artificial Intelligence (SETN 2010)*, Athens, Greece, 2008. Area chair for “Natural Language Processing”.
- *Large-Scale Hierarchical Classification Workshop, 32nd European Conference on Information Retrieval (ECIR)*, Milton Keynes, UK, 2010.
- *Joint conference of the 47th Annual Meeting of the Association for Computational Linguistics and the 4th International Joint Conference on Natural Language Processing of the Asian Federation of Natural Language Processing (ACL-IJCNLP 2009)*, Singapore, 2009.
- *6th European Semantic Web Conference (ESWC 2009)*, Heraklion, Crete, Greece, 2009.
- *6th Conference on Email and Anti-Spam (CEAS 2009)*, Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2009.
- *Workshop on Language Technology and Resources for Cultural Heritage, Social Sciences, Humanities, and Education, 12th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2009)*, Athens, Greece, 2009.
- *5th Conference on Email and Anti-Spam (CEAS 2008)*, Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2008.
- *5th European Semantic Web Conference (ESWC 2008)*, Tenerife, Spain, 2008.
- *2nd Workshop on Language Technology for Cultural Heritage Data, 6th International Conference on Language Resources and Evaluation (LREC 2008)*, Marrakech, Morocco, 2008.
- *International Workshop on Computational Aspects of Affectual and Emotional Interaction (CAFFEi), 18th European Conference on Artificial Intelligence (ECAI 2008)*, Patras, Greece, 2008.
- *5th Hellenic Conference on Artificial Intelligence (SETN 2008)*, Syros, Greece, 2008.
- *6th International Semantic Web Conference and 2nd Asian Semantic Web Conference (ISWC 2007 + ASWC 2007)*, Busan, Korea, 2007.
- *4th Conference on Email and Anti-Spam (CEAS 2007)*, Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2007.

- *Workshop on Language Technology for Cultural Heritage Data, 45th Annual Meeting of the Association for Computational Linguistics (ACL 2007)*, Prague, Czech Republic, 2007.
- *3rd Conference on Email and Anti-Spam (CEAS 2006)*, Microsoft Research Silicon Valley, Mountain View, CA, U.S.A., 2006 ([Program Committee co-chair](#)).
- *3rd International Semantic Web User Interaction Workshop, 5th International Semantic Web Conference (ISWC 2006)*, Athens, GA, U.S.A., 2006.
- *4th Hellenic Conference on Artificial Intelligence (SETN 2006)*, Herakleion, Crete, Greece, 2006.
- *2nd Conference on Email and Anti-Spam (CEAS 2005)*, Stanford University, CA, U.S.A., 2005.
- *3rd International Conference on Natural Language Generation (INLG 2004)*, Brockenhurst, New Forest, U.K., 2004.
- *26th European Conference on Information Retrieval Research (ECIR 2004)*, University of Sunderland, U.K., 2004.
- *3rd Hellenic Conference on Artificial Intelligence (SETN 2004)*, Samos, Greece, 2004.
- *25th European Conference on Information Retrieval Research (ECIR 2003)*, Pisa, Italy, 2003.
- *Workshop on Balkan Language Resources and Tools, 1st Balkan Conference in Informatics*, Thessaloniki, Greece, 2003.
- *2nd Workshop on Operational Text Classification Systems (OTC 2002)*, Tampere, Finland, 2002.
- *2nd Hellenic Conference on Artificial Intelligence (SETN 2002)*, Thessaloniki, Greece, 2002.
- *Panhellenic Conference with International Participation on Human-Computer Interaction (PC-HCI 2001)*, Patra, Greece, 2001.
- *Student Session of the 36th Annual Meeting of the Association for Computational Linguistics and 17th International Conference on Computational Linguistics (COLING-ACL 1998)*, Montreal, Canada, 1998.
- Member of the Scientific Committee of the following conferences:
 - *8th International Conference on Language Resources and Evaluation (LREC 2009)*, Malta, 2010.
 - *7th International Conference on Language Resources and Evaluation (LREC 2009)*, Malta, 2009.
 - *6th International Conference on Language Resources and Evaluation (LREC 2008)*, Marrakech, Morocco, 2008.
- Member of the Organizing Committee of the following conferences and workshops:
 - *Joint ECML/PKDD – PASCAL Workshop on Large-Scale Hierarchical Classification (LSHC), European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD)*, Athens, Greece, 2011.
 - *12th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2009)*, Athens, Greece, 2009.

- *Workshop on End User Semantic Web Interaction, 4th International Semantic Web Conference (ISWC 2005)*, Galway, Ireland, 2005 (co-chair of the Organizing Committee).
- *12th International Symposium on Languages for Intensional Programming (ISLIP 1999)*, Athens, Greece, 1999.
- Reviewer of other conferences and programmes:
 - 23rd International Conference on Advanced Information Systems Engineering (CAiSE 2011), London, UK, 2011.
 - *11th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2006)*, Trento, Italy, 2006.
 - *Information Society Programme (FP6, SO 2.4.7, “Semantic Based Knowledge and Content Systems”)*, European Commission, Brussels, Belgium, 2005.
 - *12th European Conference on Machine Learning (ECML 2001) and the 5th European Conference on Principles and Practice of Knowledge Discovery in Databases (PKDD 2001)*, Freiburg, Germany, 2001.
 - *8th Panhellenic Conference in Informatics (EPY 2001)*, Nicosia, Cyprus, 2001.
 - *14th European Conference on Artificial Intelligence (ECAI 2000)*, Berlin, Germany, 2000.
 - *Joint European Conference on Artificial Intelligence in Medicine and Medical Decision Making (AIMDM 1999)*, Aalborg, Denmark, 1999.
 - *7th Panhellenic Conference in Informatics (EPY 1999)*, Ioannina, Greece, 1999.
- Special Secretary of the Hellenic Artificial Intelligence Society (EETN, December 2006 – December 2010).