

# DIMITRIS SPILIOPOULOS

Department of Computer Science  
University of Houston  
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Usability • Social Media Analysis • UX • Data Analysis • Sentiment Analysis • Natural Language Processing • Cybersecurity

**ACADEMIC APPOINTMENTS**

- **University of Houston**, Associate Research Professor  
Computer Science, University of Houston, Houston, TX **May 2017 - present**
- **FORTH**, Researcher  
Institute of Computer Science, FORTH, Heraklion, Greece **Nov. 2014 - Apr. 2017**
- **University of Athens**, Associate Researcher  
Department of Computer Science, University of Athens, Athens, Greece **Dec. 2009 - Oct. 2014**

**EDUCATION**

- Ph.D.** in Computer Science, University of Athens, Athens, Greece **2009**
- M.Phil.** in Computer Science, University of Manchester, Manchester, UK **1999**
- M.A.** in Linguistics, University of Manchester, Manchester, UK **1998**
- B.Sc.** in Computer Science, University of Manchester, Manchester, UK **1995**

**PROFESSIONAL EXPERIENCE**

- **Athens Technology Center**, Senior Project Manager **2009-2014**  
Lead EU-funded research projects in Data analysis, HCI, Cybersecurity, and Accessibility.
- **NCSR Demokritos**, Associate Researcher **2000-2002**  
Institute of Informatics and Telecommunications, NCSR Demokritos, Athens, Greece  
Involved in research projects in Natural Language Processing and Machine Learning

**FUNDING**

Principal Investigator (*total as PI: €1,679,450*)

- “METALOGUE: Multiperspective Multimodal Dialogue: dialogue system with metacognitive abilities”  
European Commission, FP7-ICT-2013-10, GA no: 611073, 2013-2016  
Grant: €246,000; total project budget: €3,749,264
- “NOMAD: Policy Formulation and Validation through non Moderated Crowdsourcing”  
European Commission, FP7-ICT-2011-7, GA no: 288513, 2011-2014  
Grant: €387,375; total project budget: €3,559,548
- “SUMAT: An online service for Subtitling by Machine Translation”  
European Commission, CIP-ICT-PSP-2009-4, GA no: 270919, 2011-2014  
Grant: €244,250; total project budget: €3,600,002
- “ARCOMEM: ARChive COmmunities MEMories - From Collect-All Archives to Community Memories  
- Leveraging the Wisdom of the Crowds for Intelligent Preservation”  
European Commission, FP7-ICT-2009-06, GA no: 270239, 2011-2013  
Grant: €417,150; total project budget: €8,013,031
- “CASAM: Computer-aided semantic annotation of multimedia content”  
European Commission, FP7-ICT-2007-01, GA no: 217061, 2008-2011  
Grant: €384,675; total project budget: €4,233,442

Co-PI (*total as Co-PI: €1,525,706*)

- “OPTET: Operational Trustworthiness Enabling Technologies”  
European Commission, FP7-ICT-2011-8, GA no: 317631, 2012-2015; PI: I. Spais  
Grant: €284,384; total project budget: €10,707,039
- “EASY-IMP: Collaborative Development of Intelligent Wearable Meta-products in the Cloud”  
European Commission, FP7-2013-NMP-ICT-FOF, GA no: 609078, 2013-2016; PI: G. Kartsounis  
Grant: €443,625 EUR; total project budget: €7,270,878
- “BIOPOLIS: Long-term preservation of user content”  
General Secretariat of Research and Technology, National Action Range 'Cooperation', Operational program 'Competitiveness and entrepreneurship regions in transit', 2011-2014; PI: I. Spais  
Grant: €188,000; total project budget: €636,750
- “FASHION-ABLE: Development of new technologies for the flexible and eco-efficient production of customized healthy clothing, footwear and orthotics for consumers with highly individualised needs”

- European Commission, FP7-2011-ICT-FoE, GA no: 284871, 2011-2014; PI: G. Kartsounis  
Grant: €287,639; total project budget: €4,920,155
- “Enviro-Tex-Design: Knowledge Based Collaborative 3D Virtual Design”  
European Commission, FP7-NMP-2007-3.3-1, GA no: 213903, 2008-2011; PI: G. Kartsounis  
Grant: €322,058; total project budget: €4,440,207

Senior Personnel (*total as Senior Personnel: €982,637*)

- “iSocial: Decentralized Online Social Networks”  
European Commission, FP7-PEOPLE-2012-ITN, GA no: 316808, 2012-2017; PI: P. Fragopoulou  
Grant: €460,637; total project budget: €3,738,976
- “Sintichies: Lexicon Processing and Synthetic Speech for Greek Cypriot”  
University of Cyprus, 2006-2010; PI: G. Kouroupetroglou  
Grant: €25,000
- “RHETOR: Systematic Approach for a Voice Dialog Interface with Audification of the Meta-information and Visual Structure of Documents, Aiming to Total Access to Printed Material”  
General Secretariat of Research and Technology, Program 3.3: ‘Image, Sound and Language Processing’, 2006-2008; PI: G. Kouroupetroglou  
Grant: €202,000; total project budget: €697,235
- “M-PIRO: Multilingual Personalized Information Objects”  
European Commission, FP5-IST-1999, GA no: 10982, 2000-2003; PI: G. Kouroupetroglou  
Grant: €235,000; total project budget: €1,903,013
- “YGEIOROBOT: Navigation and Control of Mobile Robot for Hospital Services”  
General Secretariat for Research and Technology, GSRT-PENED-2000-ED62, 1999-2001; PI: V. Karkaletsis  
Grant: €60,000; total project budget: €176,082

REFEREED  
JOURNAL  
PUBLICATIONS

- [7] Antonakaki, D., **Spiliotopoulos, D.**, Samaras, C.V., Pratikakis, P., Ioannidis, S., Fragopoulou, P. 2017. Social media analysis during political turbulence. *PLOS ONE* 12(10): e0186836, 1-23.
- [6] Risse, T., Demidova, E., Dietze, S., Peters, W., Papailiou, N., Doka, K., Stavrakas, Y., Plachouras, V., Senellart, P., Carpentier, F., Mantrach, A., Cautis, B., Siehndel, P., **Spiliotopoulos, D.** 2014. The ARCOMEM Architecture for Social and Semantic Driven Web Archiving. *Future Internet* 6(4):688-716.
- [5] Demidova, E., Barbieri, N., Dietze, S., Funk, A., Holzmann, H., Maynard, D., Papailiou, N., Peters, W., Risse, T., **Spiliotopoulos, D.** 2014. Analysing and Enriching Focused Semantic Web Archives for Parliament Applications. *Future Internet* 6(3):433-456.
- [4] Hendley, R., Beale, R., Georgousopoulos, C., Vassiliou, C., Petridis, S., Moeller, R., Karstens, E., **Spiliotopoulos, D.** 2014. CASAM: Collaborative Human-Machine Annotation of Multimedia. *Multimedia Tools and Applications* 70(2):1277-1308.
- [3] **Spiliotopoulos, D.**, Xydas, G., Kouroupetroglou, G., Argyropoulos, V., Ikospentaki, K. 2010. Auditory Universal Accessibility of Data Tables using Naturally Derived Prosody Specification. *Univ Access Inf Soc* 9:169-183.
- [2] Kouroupetroglou, G., **Spiliotopoulos, D.** 2009. Usability Methodologies for Real-Life Voice User Interfaces. *Int. Journal of Information Technology and Web Engineering* 4(4):78-94.
- [1] Xydas, G., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2005. Modeling Improved Prosody Generation from High-Level Linguistically Annotated Corpora. *IEICE Trans. of Inf. and Syst.* E88-D(3):510-518.

REFEREED  
CONFERENCE  
PUBLICATIONS

- [44] Petukhova, V., Malchanau, A., Oualil, Y., Klakow, D., Luz, S., Haider, F., Campbell, N., Koryzis, D., Albert, P., Linz, N., Alexandersson, J., **Spiliotopoulos, D.** 2017. The Metalogue Debate Trainee Corpus: Data Collection and Annotations. In *Proc. 11th International Conference in Language Resources and Evaluation Conference (LREC 2018)*, Miyazaki, Japan, 7-12 May 2018.
- [43] Aivazoglou Vounatsos, M., Roussos, O., Ioannidis, S., **Spiliotopoulos, D.**, Polakis, J. 2017. Reveal: Fine Grained Recommendations in a Social Ecosystem. In *Proc. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2017)*, pp. 1-4, Sydney,

Australia, 31 July - 03 August 2017.

- [42] Fitsilis, F., Koryzis, D., Svolopoulos, V., **Spiliotopoulos, D.** 2017. Implementing Digital Parliament Innovative Concepts for Citizens and Policy Makers. In *Proc. 19th International Conference in Human-Computer Interaction (HCI 2017)*, LNCS 10293, pp. 154–170, Springer, Vancouver, Canada, 9-14 July 2017.
- [41] Koryzis, D., Samaras, CV., Makri, E., Svolopoulos, V., **Spiliotopoulos, D.** 2017. Visual Cue Streams for Multimodal Dialogue Interaction. In *Proc. Advances in Human Factors, Business Management, Training and Education*, pp. 541-547, Florida, USA.
- [40] Antonakaki, D., **Spiliotopoulos, D.**, Samaras, C., Ioannidis, S., Fragopoulou, P. 2016. Investigating the complete corpus of Referendum and Elections tweets. In *Proc. 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2016)*, pp. 1-6, San Francisco, CA, USA, 18-21 August 2016.
- [39] **Spiliotopoulos, D.**, Antonakaki, D., Ioannidis, S., Fragopoulou, P. 2016. Motivation Effect of Social Media Posts about Well-being and Healthy Living. In *Proc. 9th ACM International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016)*, pp. 1-4, Corfu, Greece, 29 June - 01 July 2016.
- [38] **Spiliotopoulos, D.**, Antonakaki, D., Ioannidis, S., Fragopoulou, P. 2016. Usability Evaluation of Accessible Complex Graphs. In *Proc. 15th International Conference on Computers Helping People with Special Needs (ICCHP 2016)*, pp. 571-574, Linz, Austria, 13-15 July 2016.
- [37] Koryzis, D., Svolopoulos, V., **Spiliotopoulos, D.** 2016. Metalogue: A Multimodal Learning Journey. In *Proc. 9th ACM International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2016)*, pp. 1-4 Corfu, Greece, 29 June - 01 July 2016.
- [36] Samaras, C., Tsioliariidou, N. A., Liaskos, C. K., **Spiliotopoulos, D.**, Ioannidis, S. 2015. Enhancing the Trustworthiness of Service On-Demand Systems via Smart Vote Filtering. In *Proc. 8th International Conference on Trust & Trustworthy Computing (TRUST 2015)*, pp. 88-103, Heraklion, Greece, 24-26 August, 2015.
- [35] **Spiliotopoulos, D.**, Dalianis, A., Koryzis, D. 2015. Speech Enabled Ontology Graph Navigation and Editing. In *Proc. 17th International Conference on Human-Computer Interaction (HCI 2015)*, LNCS 9175, pp. 487-494, Los Angeles, CA, USA, 2-7 August 2015.
- [34] **Spiliotopoulos, D.**, Dalianis, A. 2014. Technically Challenging Human Factors Issues for a Policy Argumentation Approach. In *Proc. 5th International Conference on Applied Human Factors and Ergonomics*, pp. 1-4, Krakow, Poland, 19-23 July 2014.
- [33] Alexandersson, J., Girenko, A., **Spiliotopoulos, D.**, Petukhova, V., Klakow, D., Koryzis, D., Taatgen, N., Specht, M., Campbell, N., Aretoulaki, M., Stricker, A., Gardner, M. 2014. Metalogue: A Multiperspective Multimodal Dialogue System with Metacognitive Abilities for Highly Adaptive and Flexible Dialogue Management. In *Proc. 10th Int. Conf. Intelligent Environments (IE14)*, pp. 365-368, 2-4 July 2014, Shanghai, China.
- [32] **Spiliotopoulos, D.**, Dalianis, A., Koryzis, D. 2014. Need driven Prototype Design for a Policy Modeling Authoring Interface. In *Proc. 16th International Conference on Human-Computer Interaction (HCI 2014)*, pp. 162-166, Springer-Verlag Berlin Heidelberg.
- [31] **Spiliotopoulos, D.**, Petukhova, V., Koryzis, D. 2014. Evaluation Methods for Metacognitive Skills Learning Dialogue System. In *Proc. 16th International Conference on Human-Computer Interaction (HCI 2014)*, pp. 162-166, Springer-Verlag Berlin Heidelberg.
- [30] **Spiliotopoulos, D.**, Dalianis, A., Kouroupetroglou, G. 2014. Accessibility Driven Design for Policy Argumentation Modelling, In *Proc. 16th International Conference on Human-Computer Interaction (HCI 2014)*, pp. 101-108, Springer-Verlag Berlin Heidelberg.
- [29] **Spiliotopoulos, D.**, Koryzis, D., Schefbeck, G. 2014. Crowdsourcing and Transparency in the Legislative Process: The NOMAD Approach. In *Proc. 17th Int. Symp. Legal Informatics*, 20-22 February 2013, Salzburg, Austria.
- [28] Petasis, G., **Spiliotopoulos, D.**, Tsirakis, N., Tsantilas, P. 2014. Sentiment Analysis for Reputation Management: Mining the Greek Web. In *Proc. 8th Hellenic Conference in Artificial Intelligence*,

pp. 327-340.

- [27] **Spiliotopoulos, D.**, Bouwmeester, R., Proios, D. 2013. Relation Visualization for Semantically Enriched Web Content. In *Proc. Communicating Complexity International Design Conference*, 25-26 October 2013, Alghero, Italy.
- [26] Stavropoulou, P., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2013. Where Greek TtS Fails. In *Proc. 11th Int. Conf. on Greek Linguistics*, 26-29 September 2013, Rhodes, Greece.
- [25] **Spiliotopoulos, D.**, Cabulea, C., Frey, D. 2013. User Interaction Issues on Searching Digitally Archived Content. In *Proc. Int. Workshop on Archiving Community Memories*, 6 September 2013, Lisbon, Portugal.
- [24] Papatheodorou, N., Stavropoulou, P., Tsonos, D., Kouroupetroglou, G., Papageorgiou, C., **Spiliotopoulos, D.** 2013. On the Identification and Annotation of Emotional Properties of Verbs. In *Proc. On the Move to Meaningful Internet Systems (OTM-2013)*, LNCS 8186: 588-597, Springer-Verlag Berlin Heidelberg.
- [23] **Spiliotopoulos, D.** Tzoannos, E, Cabulea, C., Frey, D. 2013. Digital Archives: Semantic Search and Retrieval, In *Proc. Human-Computer Interaction and Knowledge Discovery in Complex, Unstructured, Big Data (CHI-KDD 2013)* pp. 173-182, Springer-Verlag Berlin Heidelberg.
- [22] **Spiliotopoulos, D.**, Bouwmeester, R., Kouroupetroglou, G., Stavropoulou, P., Tsonos, D. 2013. Usability design and testing of an interface for search and retrieval of semantic web data. In *Proc. 15th International Conference on Human-Computer Interaction (HCI 2013)*, pp. 575-580, Springer-Verlag Berlin Heidelberg.
- [21] **Spiliotopoulos, D.**, Stavropoulou, P., Kouroupetroglou, G., Tsonos, D. 2013. User Perception Knowledge for Socially-aware Web document Accessibility. In *Proc. 15th International Conference on Human-Computer Interaction (HCI 2013)*, pp. 710-717, Springer-Verlag Berlin Heidelberg.
- [20] **Spiliotopoulos, D.**, Bouwmeester, R., Frey, D., Kouroupetroglou, G., Stavropoulou, P. 2013. The Iterative Design and Evaluation Approach for a Socially-aware Search and Retrieval Application for Digital Archiving. In *Proc. 6th Int. Conf. Advances in Computer-Human Interactions*, pp. 157-161, Nice, France, 24 February - 1 March, 2013.
- [19] **Spiliotopoulos, D.**, Scheffbeck, G., Koryzis, D. 2013. Obtaining Societal Feedback on Legislative Issues through Content Extraction from the Social Web. In *Proc. 16th Int. Symp. Legal Informatics*, 21-23 February 2013, Salzburg, Austria.
- [18] **Spiliotopoulos, D.**, Tzoannos, E., Stavropoulou, P., Kouroupetroglou, D., Pino, A. 2012. Designing user interfaces for social media driven digital preservation and information retrieval. In *Proc. Int. Conf. Computers Helping People with Special Needs (ICCHP 2012)*, LNCS 7382, pp. 581-584.
- [17] Stavropoulou, P., **Spiliotopoulos, D.**, Kouroupetroglou, D. 2012. Resource Evaluation for Usable Speech Interfaces: Utilizing Human-Human Dialogues. In *Proc. 8th International Conference on Language Resources and Evaluation (LREC 2012)*, Istanbul, Turkey, 23-25 May, 2012.
- [16] Stavropoulou, P., **Spiliotopoulos, D.**, Kouroupetroglou, D. 2011. Acoustic modeling of dialogue elements for document accessibility. In *Proc. 13th International Conference on Human-Computer Interaction (HCI 2011)*, LNCS 6768, pp. 175-184.
- [15] Pino, ÍŚ., Kouroupetroglou, G., Kacorri, H., Sarantidou, A., **Spiliotopoulos, D.** 2010. An Open Source / Freeware Assistive Technology Software Inventory. In *Proc. 12th Int. Conf. on Computers Helping People with Special Needs (ICCHP 2010)*, LNCS 6179, pp. 178-185 Springer-Verlag Berlin Heidelberg.
- [14] Stavropoulou, P., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2010. Integrating Contrast in a Framework for Predicting Prosody. In *Proc. Computational Linguistics and Intelligent Text Processing (CICLing 2010)*, LNCS 6008, pp. 748-758, Springer Berlin Heidelberg.
- [13] **Spiliotopoulos, D.**, Stavropoulou, P., Kouroupetroglou, G. 2009. Spoken Dialogue Interfaces: Integrating Usability. In *Proc. Symposium of the Austrian HCI and Usability Engineering Group*, LNCS 5889, pp. 484-499, Springer Berlin Heidelberg.
- [12] **Spiliotopoulos, D.**, Stavropoulou, P., Kouroupetroglou, G. 2009. Acoustic Rendering of Data Tables using Earcons and Prosody for Document Accessibility. In *Proc. Int. Conf. on Human-Computer*

*Interaction (HCI 2009)*, LNAI 5616, pp. 587-596, Springer Berlin Heidelberg.

- [11] Stavropoulou, P., **Spiliotopoulos, D.** 2009. Prosodic Realisation of Topics. In *Proc. 19th Int. Symp. Theoretical and Applied Linguistics*, Thessaloniki, 3-5 April 2009, Greece.
- [10] **Spiliotopoulos, D.**, Petasis, G., Kouroupetroglou, G. 2008. A Framework for Language-Independent Analysis and Prosodic Feature Annotation of Text Corpora. In *Proc. Int. Conf. Text, Speech and Dialogue (TSD 2008)*, LNAI 5246, pp. 517-524, Springer-Verlag Berlin Heidelberg.
- [9] **Spiliotopoulos, D.**, Petasis, G., Kouroupetroglou, G. 2005. Prosodically Enriched Text Annotation for High Quality Speech Synthesis. In *Proc. Int. Conf. Speech and Computer (SPECOM-2005)*, 17-19 October 2005, Patras, Greece, pp. 313-316.
- [8] **Spiliotopoulos, D.**, Xydas, G., Kouroupetroglou, G. 2005. Diction Based Prosody Modeling in Table-to-Speech Synthesis. *Proc. Int. Conf. Text, Speech and Dialogue (TSD 2008)*, LNAI 3658, pp. 294-301, Springer-Verlag Berlin Heidelberg.
- [7] **Spiliotopoulos, D.**, Xydas, G., Kouroupetroglou, G., Argyropoulos, V. 2005. Experimentation on Spoken Format of Tables in Auditory User Interfaces. In *Proc. Int. Conf. Human-Computer Interaction (HCI 2005)*, Las Vegas, USA, 22-27 July, 2005.
- [6] Xydas, G., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2004. Modeling Prosodic Structures in Linguistically Enriched Environments. In *Proc. Int. Conf. Text, Speech and Dialogue (TSD 2004)*, LNAI 3206, pp. 521-528, Springer-Verlag Berlin Heidelberg.
- [5] Xydas, G., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2003. Building Prosodic Structures in a Concept-to-Speech System. In *Proc. 1st Balkan Conference on Informatics (BCI-2003)*, pp. 105-111, 21-23 November 2003, Thessaloniki, Greece.
- [4] Xydas, G., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2003. Prosody Prediction from Linguistically Enriched Documents Based on a Machine Learning Algorithm. In *Proc. 6th Int. Conf. Greek Linguistics (ICGL-2003)*, Rethymno, Crete, Greece, 18-21 September 2003.
- [3] Xydas, G., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2003. Modelling Emphatic Events from Non-Speech Aware Documents in Speech Based User Interfaces. In *Proc. Int. Conf. Human-Computer Interaction (HCI 2003)*, pp. 806-810, 22-27 June, 2003, Crete, Greece.
- [2] Androutsopoulos, I., **Spiliotopoulos, D.**, Stamatakis, K., Dimitromanolaki, A., Karkaletsis, V., Spyropoulos, C.D. 2002. Symbolic Authoring for Multilingual Natural Language Generation. In *Proc. Hellenic Conference on Artificial Intelligence*, LNAI 2308, pp. 131-142, Springer-Verlag Berlin Heidelberg.
- [1] **Spiliotopoulos, D.**, Androutsopoulos, I., Spyropoulos, C.D. 2001. Human-Robot Interaction Based on Spoken Natural Language Dialogue. In *Proc. European Workshop on Service and Humanoid Robots (ServiceRob-2001)*, Santorini, Greece, 25-27 June 2001.

#### BOOK CHAPTERS

- [3] **Spiliotopoulos, D.**, Kouroupetroglou, G., Stavropoulou, P. 2011. VoiceWeb: Spoken Dialogue Interfaces and Usability. In G. Alkhatib (Ed.), *Web Engineered Applications for Evolving Organizations: Emerging Knowledge*, pp. 340-359, Information Science Reference Press, Pennsylvania, USA.
- [2] Stavropoulou, P., **Spiliotopoulos, D.**, Kouroupetroglou, G. 2010. Design and Development of an Automated Voice Agent: Theory and Practice Brought Together. In D. Perez-Marin and I. Pascual-Nieto (Eds.), *Conversational Agents and Natural Language Interaction: Techniques and Effective Practices*, pp. 335-359, Information Science Reference Press, Pennsylvania, USA.
- [1] **Spiliotopoulos, D.**, Kouroupetroglou, G. 2010. Usability Methodologies for Spoken Dialogue Web Interfaces. In T. Spiliotopoulos, P. Papadopoulou and D. Martakos (Eds.), *Integrating Usability Engineering for Designing the Web Experience: Methodologies and Principles*, Chapter 8, pp. 149-165, Information Science Reference Press, Pennsylvania, USA.

#### REFEREED ABSTRACTS

- [2] Schefbeck, G., **Spiliotopoulos, D.**, Risse, T. 2012. The Recent Challenge in Web Archiving: Archiving the Social Web. *International Council on Archives Congress*, Brisbane, Australia, 20-24 August 2012.
- [1] Del Pozo, A., Bywood, L., Georgakopoulou, Y., van Loenhout, G., Petukhova, V., Sepesy Maucec,

M., **Spiliotopoulos, D.**, Trespalacios, V., Volk, M., Way, A. 2012. SUMAT: An online service for SUBtitling by MACHine Translation. In *Proc. 16th Annual Conference of the European Association for Machine Translation*, Trento, Italy, 28-30 May, 2012.

#### THESES AND TECHNICAL REPORTS

- [5] **Spiliotopoulos, D.**, Androutsopoulos, I. 2000. A Survey of Spoken Dialogue Management Techniques, *Technical Report*, DEMO 2000/15, Demokritos Research Center, Athens, Greece.
- [4] **Spiliotopoulos, D.** 2009. Language analysis and prosodic feature annotation for high quality speech synthesis. *PhD thesis*, Dept. of Informatics and Telecommunications, University of Athens, Greece.
- [3] **Spiliotopoulos, D.** 1999. Building workflow technology based on CORBA. *MPhil thesis*, Dept. Computation, UMIST, UK.
- [2] **Spiliotopoulos, D.** 1998. Laryngeal elements: Cases of voicing in Modern Greek. *MA dissertation*, Dept. of Linguistics, University of Manchester, UK.
- [1] **Spiliotopoulos, D.** 1995. Software Implementation of Transcendental Functions. *BSc dissertation*, Dept. Computation, UMIST, UK.

#### PROFESSIONAL SERVICE

- Editorial Board, Associate Editor: Social Network Analysis and Mining, Springer **2017 - present**
- Program Committee: IEEE/ACM ASONAM (2017, 2018)
- Reviewer in scientific journals
  - SNAM, WWW, Convergence, IJAIT, JCMA, JHFMS, JMSO
- Reviewer in scientific conferences
  - ASONAM (2018, 2017), SP18, CVPR 2017, DSP (2018-2011), HCI (2014-2011)
- Organizer of the International Workshop on Social Media Semantics, Graz, Vienna, 9-13 September 2013
- Reviewer for the book: Tiwary, U.S. (Ed) Speech, Image and Language Processing for Human Computer Interaction: Multi-modal Advancements, IGI Global, 2011.
- Reviewer for the book: Ceccarelli, M. (Ed) Service Robots and Robotics: Design and Application, IGI Global, 2011.

#### AWARDS

- 2002, **PhD Scholarship**, "Heraclitus", Greek Secretariat for Research and Technology (GSRT), Ministry of Education, Greece

#### TEACHING

- Instructor (lecturer)
  - Spoken Dialogue Systems (graduate course - 40 students) **Fall 2012**  
Department of Informatics & Telecommunications, University of Athens, Athens, Greece
  - Theoretical Linguistics (undergraduate course - 200 students) **Spring 2011**  
Department of Philology, University of Peloponnese, Kalamata, Greece
  - Management Information Systems (undergraduate course - 120 students) **Fall 2011**  
Department of Sports Management, University of Peloponnese, Sparta, Greece
  - Media and Theatre Informatics (undergraduate course - 60 students) **Fall 2010**  
Department of Theatre Studies, University of Peloponnese, Nafplion, Greece
- Teaching assistant
  - Speech Technologies (undergraduate course - 250 students) **Fall 2012**  
Department of Informatics & Telecommunications, University of Athens, Athens, Greece
  - Real Time Digital Signal Processing (undergraduate course - 140 students) **Fall 2004 - Fall 2012**  
Department of Informatics & Telecommunications, University of Athens, Athens, Greece

#### MENTORING EXPERIENCE

- Mentor of
  - Hasnain R. Bilgrami (undergraduate student) **October 2017 - present**  
“Multimodal image-entity matching”, University of Houston, Houston, TX
- Co-mentor of
  - David J. Heaney (REU undergraduate student) **2017**  
“Witness app”, University of Houston, Houston, TX
  - Hasnain R. Bilgrami (REU undergraduate student) **2017**  
“Classifying Agents on the Ground Using Drones”, University of Houston, Houston, TX

- Andrew J. Awad (high-school student)  
“Predicting image likes”, University of Houston, Houston, TX

2017

PROGRAMMING SKILLS    Java,  $\LaTeX$ , HTML5

LANGUAGES                English, Greek

## REFERENCES

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