VANGELIS METSIS *Curriculum Vitae*

CONTACT INFORMATION

Assistant Professor
Department of Computer Science
Texas State University
San Marcos, TX 78666, USA

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RESEARCH INTERESTS

Primary Interests: Machine Learning and Computer Vision with applications in Smart Health and Human-Computer Interaction.
Secondary Interests: Analysis of human Physiological and Behavioral data, Virtual Reality, Affective Computing, Pervasive Computing, Computational Biology.

TEACHING INTERESTS

Primary Interests: Machine Learning, Data Mining, Computer Vision, Human-Computer Interaction, Algorithms & Data Structures, Object Oriented Programming.
Other Interests: Discrete Mathematics, Databases, Introductory Computer Science and Programming courses.

EDUCATION

The University of Texas at Arlington, Arlington, TX

Ph.D., Dept. of Computer Science and Engineering **Aug. 2007 – Dec. 2011**

- Dissertation Topic: *A Computational Framework for Human-Centered Multimodal Data Analysis*
- Advisers: Prof. Fillia Makedon & Prof. Heng Huang
- Area of Study: Computer Science - B.S. to Ph.D. program

Athens University of Economics and Business, Athens, Greece

B.S. (with honors), Department of Informatics **Oct. 2001 – Sept. 2005**

- Grade: 8.64/10. Corresponding of *Summa cum Laude*. Highest grade in class in Fall 2005 semester graduation ceremony.
- **Major:** in Computer Science
- Minor: Information Systems and Management

ACADEMIC APPOINTMENTS

Assistant Professor **Aug. 2014 – present**
Dept. of Computer Science, Texas State University
- Supervisor: Department Chair, Prof. Hongchi Shi

Faculty Research Associate **Jan. 2012 – Aug. 2014**
Dept. of Computer Science and Engineering, University of Texas at Arlington
- Supervisor: Department Chair, Prof.Fillia Makedon

Graduate Research Assistant **Sep. 2007 – Dec. 2011**
Dept. of Computer Science and Engineering, University of Texas at Arlington
- Advisers: Prof. Fillia Makedon and Prof. Heng Huang

Research Associate **Mar. 2006 – Aug. 2007**
Institute of Informatics and Telecommunications, National Center for Scientific Research "Demokritos", Greece
- Supervisor: Dr. Vangelis Karkaletsis
- Project: Research and development for the purposes of the European Commission-funded project "Quality Labeling of Medical Web Content using Multilingual Information Extraction (MedIEQ)"

Other Professional Appointments

The University of Texas at Arlington, Arlington, TX

Webmaster/Systems Administrator **Jun. 2008 – Aug. 2014**

- Development, maintenance and Web support of the web infrastructure at the Department of Computer Science and Engineering, including the main CSE website and supporting sub-systems (`http://www.cse.uta.edu/`).

Athens University of Economics and Business, Athens, Greece

Webmaster **Feb. 2006 – Jun. 2007**

- Development and Maintenance of the Web based remote learning platform: E-Class (`http://eclass.aueb.gr/`)

Systems Administrator **Feb. 2005 – Sep. 2005**

- *Undergrad Internship:* System Administrator and Microsoft Advanced Software Administrator at the Computer Science Labs of AUEB.

Teaching Experience

Texas State University, San Marcos, TX

Assistant Professor

- CS 4379C - Intro to Computer Vision
  - ◇ `https://cs.txstate.edu/~v_m137/cs4379c_spr2019`
- CS 7323 - Image Processing and Computer Vision
  - ◇ `https://cs.txstate.edu/~v_m137/cs7323_spr2018`
- CS 3354 - Object Oriented Design and Programming
  - ◇ `https://cs.txstate.edu/~v_m137/cs3354_spr2019`
  - ◇ `https://cs.txstate.edu/~v_m137/cs3354_fall2018`
  - ◇ `https://cs.txstate.edu/~v_m137/cs3354_fall2017`
  - ◇ `https://cs.txstate.edu/~v_m137/cs3354_fall2016`
- CS5329 - Algorithm Design and Analysis
  - ◇ `https://cs.txstate.edu/~v_m137/cs5329_fall2018`
  - ◇ `https://cs.txstate.edu/~v_m137/cs5329_fall2017`
  - ◇ `https://cs.txstate.edu/~v_m137/cs5329_fall2016`
- CS4326/5326 - Human Factors of Computer Systems
  - ◇ `https://cs.txstate.edu/~v_m137/cs4326_5326_spr2017`
  - ◇ `https://cs.txstate.edu/~v_m137/cs4326_5326_spr2016`
  - ◇ `https://cs.txstate.edu/~v_m137/cs4326_5326_spr2015`
- CS 4354 - Object Oriented Design and Implementation
  - ◇ `https://cs.txstate.edu/~v_m137/cs4354_fall2015`
  - ◇ `https://cs.txstate.edu/~v_m137/cs4354_fall2014`
- CS 3358 - Data Structures
  - ◇ `https://cs.txstate.edu/~v_m137/cs3358_fall2015`
- CS 2308 - Foundations of Computer Science II
  - ◇ `https://cs.txstate.edu/~v_m137/s2308_spr2015`

The University of Texas at Arlington, Arlington, TX

Adjunct Lecturer

- CSE 5311 - Design & Analysis of Algorithms **Summer 2013 & Fall 2013**
- CSE 2320 - Algorithms & Data Structures **Summer 2010 & Fall 2013**
- CSE 4391/6397 - CSE Study Abroad Program **Summer 2012**
- CSE 1311 - Introd. Programming for Engineers & Scientists **Spring 2012**

Teaching Assistant

- CSE 4391/6397 - CSE Study Abroad Program **Summer 2011**
- CSE5306 - Operating Systems II **Fall 2008**

RESEARCH FUNDING

Principal Investigator:

- NSF-1757893: "REU Site: Research Experiences for Undergraduates in Smart & Connected Communities", $360K, 2018-2021.
- Maxfone: "Research and Development of Image and Text Analysis Tools for Automatic Social Media Content Classification", $12K, 2018-2019.
- Texas State University - MIRG Program: "Using Virtual Reality Exposure Treatment and Real-Time Physiological Monitoring to Address PTSD Symptoms in Veterans", $25K, 2016-2017.
- Texas State University - Research Enhancement Program: "Developing Unobtrusive In-Home Sleep Testing", $8K, 2016.

Co-Principal Investigator:

- US Ignite GigaTechs App Competition: "Just-in-time VR Training for Ambus EMS Personnel", $29K, 2017-2019.
- NSF-1439645: "I/UCRC Phase I: iPerform - I/UCRC for Assistive Technologies to Enhance Human Performance", $622K, 2014-2020.
- NSF-1405985: "CI-P: Planning for SMART-MOVE: A Spatiotemporal Annotated Human Activity Repository for Advanced Motion Recognition and Analysis Research", $116K, 2014-2017.
- NSF-1636543: 'WORKSHOP: Doctoral Consortium at the PETRA 2016 Conference", $28K, 2016-2017.
- NSF-1536109: 'WORKSHOP: Doctoral Consortium at the PETRA 2015 Conference", $29K, 2013-2014.
- NSF-1338930: "Planning Grant: I/UCRC for Assistive Technologies to Enhance Human Performance", $16K, 2013.
- NSF-1258500: "EAGER: An Exploratory Pilot Project to Build Human-Centric Physical Activity Monitoring Tools for Enhancing Rehabilitation Therapy Engagement and Assessment", $170K, 2012-2013.
- NSF-1329119: "Doctoral Consortium and Student-Author Travel for the PETRA 2013 Conference", $27K, 2013-2014.
- NSF-1238660: "Doctoral Consortium and Student-Author Travel for the PETRA 2012 Conference", $23K, 2012-2013.

Senior Investigator:

- NSF-1338118: "MRI Collaborative: Development of iRehab, an Intelligent Closed-Loop Instrument for Adaptive Rehabilitation", $880K, 2013-2016.

As a Graduate Research Assistant, participated in writing the proposal and conducted research for the following grants:

- NSF-CNS 0923494 MRI grant: $755K, 2009-2013
- NSF-CNS 1035913 CPS grant: $682K, 2010-2013
- NSF-IIS 1041637 HCC EAGER grant: $152K, 2010-1013
- NSF-IIS 1117965: III Grant: $316K, 2011-2014.

Worked as a Research Associate in:

- European Commission-funded project MedIEQ, €1,290,098, 2006-2009

PEER-REVIEWED PUBLICATIONS

Journal Publications:

[1] **V. Metsis**, G. Lawrence, M. Trahan, K. S. Smith, D. Tamir, and K. Selber. 360 Video: A prototyping process for developing virtual reality interventions. *Journal of Technology in Human Services (2019): 1-19*.

[2] M. H. Trahan, A. R. Ausbrooks, K. S. Smith, **V. Metsis**, A. Berek, L. H. Trahan, and K. Selber. Experiences of student veterans with social anxiety and avoidance: A qualitative study. *Social Work in Mental Health 17, no. 2 (2019): 197-221.*

[3] A. Malhotra, I. D. Schizas, and **V. Metsis**. Correlation analysis-based classification of human activity time series. *IEEE Sensors Journal 18, no. 19 (2018): 8085-8095.*

[4] T. Mauldin, M. Canby, **V. Metsis**, A. Ngu, and C. Rivera. Smartfall: a smartwatch-based fall detection system using deep learning. *MDPI Sensors 18, no. 10 (2018): 3363.*

[5] K.K. Roudposhti, J. Dias, P. Peixoto, **V. Metsis**, and U. Nunes. A Multilevel Body Motion-based Human Activity Analysis Methodology. *IEEE Transactions on Cognitive and Developmental Systems 9.1 (2016): 16-29*.

[6] A. H. Ngu, Anne HH, M. Gutierrez, **V. Metsis**, S. Nepal, and M. Z. Sheng. IoT Middleware: A Survey on Issues and Enabling technologies. *IEEE Internet of Things Journal 4.1 (2016): 1-20*.

[7] **V. Metsis**, H. Huang and F. Makedon. DNA Copy Number Selection Using Robust Structured Sparsity-Inducing Norms. *IEEE Transactions on Computational Biology and Bioinformatics (IEEE-TCBB) 11.1 (2014): 138-181*.

[8] C. McMurrough, **V. Metsis**, D. Kosmopoulos, I. Maglogiannis and F. Makedon. A Dataset for Point of Gaze Detection using Head Poses and Eye Images. *Journal on Multimodal User Interfaces 7.3 (2013): 207-215*.

[9] **V. Metsis**, D. Kosmopoulos, V. Athitsos, and F. Makedon. Non-Invasive Analysis of Sleep Patterns via Multimodal Sensor Input. *Personal and Ubiquitous Computing (2012): 1-8*.

[10] **V. Metsis**, H. Huang, O. C. Andronesi, F. Makedon, and A. Tzika. Heterogeneous data fusion for brain tumor classification", *Oncology Reports 28.4 (2012): 1413-1416*.

[11] K. Dela Rosa, **V. Metsis**, and V. Athitsos. Boosted ranking models: a unifying framework for ranking predictions. *Knowledge and Information Systems 30.3 (2012): 543-568*.

[12] C. Doukas, **V. Metsis**, E. Becker, Z. Le, F. Makedon, and I. Maglogiannis. Digital cities of the future: Extending @home assistive technologies for the elderly and the disabled. *Telematics and Informatics 28, no. 3 (2011): 176-190*.

Conference Publications

[13] L. B. Hinkle, K. K. Roudposhti, and **V. Metsis**. Physiological Measurement for Emotion Recognition in Virtual Reality. *Accepted to appear at The 2nd International Conference on Data Intelligence and Security (ICDIS 2019), South Padres Island, TX, USA (To Appear)*

[14] G. Koutitas, K. S. Smith, G. Lawrence, **V. Metsis**, C. Stamper, M. Trahan, and T. Lehr. A virtual and augmented reality platform for the training of first responders of the ambulance bus. *In Proceedings of the 12th ACM International Conference on PErvasive Technologies Related to Assistive Environments, pp. 299-302. ACM, 2019.*

[15] A. Anderson, T. Hsiao, and **V. Metsis**. Classification of Emotional Arousal During Multimedia Exposure. *In the proceedings of the 10th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA'17), Rhodes, Greece, June 2015.*

[16] H. Espiritu and **V. Metsis**. Automated Detection of Sleep Disorder-Related Events from Polysomnographic Data. *In Healthcare Informatics (ICHI), 2015 International Conference on, pp. 562-569. IEEE, 2015.*

[17] **V. Metsis**, I. D. Schizas, and G. Marshall. Real-time subspace denoising of polysomnographic data. *In Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments, p. 77. ACM, 2015.*

[18] A. Lioulemes, P. Sassaman, S. N. Gieser, V. Karkaletsis, F. Makedon, and **V. Metsis**. Self-managed patient-game interaction using the barrett WAM arm for motion analysis. *In Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments, p. 34. ACM, 2015.*

[19] M. Papakostas, J. Staud, F. Makedon, and **V. Metsis**. Monitoring breathing activity and sleep patterns using multimodal non-invasive technologies. *In Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments, p. 78. ACM, 2015.*

[20] D. Paulk, **V. Metsis**, C. McMurrough, and F. Makedon. A supervised learning approach for fast object recognition from RGB-D data. *In Proceedings of the 7th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA '14).*

[21] S. Phan, A. Lioulemes, C. Lutterodt, F. Makedon, and **V. Metsis**. Guided physical therapy through the use of the Barrett WAM robotic arm. *In Haptic, Audio and Visual Environments and Games (HAVE), 2014 IEEE International Symposium on, pp. 24-28. IEEE, 2014.*

[22] A. Lioulemes, G. Galatas, **V. Metsis**, G. L. Mariottini, and F. Makedon. Safety challenges in using AR.Drone to collaborate with humans in indoor environments. *In Proceedings of the 7th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA '14).*

[23] S. N. Gieser, **V. Metsis**, and F. Makedon. Quantitative evaluation of the kinect skeleton tracker for physical rehabilitation exercises. *In Proceedings of the 7th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA '14).*

[24] M. Gardner, **V. Metsis**, E. Becker and F. Makedon. Modeling the Effect of Attention Deficit in Game-Based Motor Ability Assessment of Cerebral Palsy Patients. *In the proceedings of the 6th Workshop on Affect and Behaviour Related Assistance, in PETRA 2013.*

[25] A. Papangelis, R. Gatchel, **V. Metsis**, and F. Makedon. An adaptive dialogue system for assessing post traumatic stress disorder, *In Proceedings of the 6th International Conference on PErvasive Technologies Related to Assistive Environments (p. 49). ACM, 2013.*

[26] C. D. McMurrough, **V. Metsis**, J. Rich, and F. Makedon. An eye tracking dataset for point of gaze detection, In: *Proceedings of the Symposium on Eye Tracking Research and Applications, pp. 305-308. ACM, 2012.* doi:0010.1145/2168556.2168622

[27] C. D. McMurrough, J. Rich, **V. Metsis**, A. Nguyen and F. Makedon. Low-cost head position tracking for gaze point estimation. In: *Proceedings of the 5th International Conference on PErvasive Technologies Related to Assistive Environments, p. 22. ACM, 2012.* doi:0010.1145/2413097.2413125

[28] Z. Zhang, W. Liu, **V. Metsis**, and V. Athitsos. A Viewpoint-Independent Statistical Method for Fall Detection. In: *Proceedings of the International Conference on Pattern Recognition (ICPR). 2012.*

[29] **V. Metsis**, G. Galatas, A. Papangelis, D. Kosmopoulos, and F. Makedon. Recognition of sleep patterns using a bed pressure mat. In: *Proceedings of the 4th International Conference on PErvasive Technologies Related to Assistive Environments, p. 9. ACM, 2011.* doi:0010.1145/2141622.2141633

[30] A. Papangelis, **V. Metsis**, J. Shawe-Taylor, and F. Makedon. Sensor placement and coordination via distributed multi-agent cooperative control. In: *Proceedings of the 3rd International Conference on PErvasive Technologies Related to Assistive Environments, p. 14. ACM, 2010* doi:0010.1145/1839294.1839311

[31] K. Park, Y. Lin, **V. Metsis**, Z. Le, and F. Makedon. Abnormal human behavioral pattern detection in assisted living environments. In: *Proceedings of the 3rd International Conference on PErvasive Technologies Related to Assistive Environments, p. 9. ACM, 2010.* doi:0010.1145/1839294.1839305

[32] **V. Metsis**, H. Huang, F. Makedon, and A. Tzika. Heterogeneous Data Fusion to Type Brain Tumor Biopsies. In: *Proceedings of the 5th IFIP Conference on Artificial Intelligence Applications and Innovations (AIAI'2009), April 23-25, 2009, Thessaloniki, Greece, Springer, 2009, p. 233.* doi:0010.1007/978-1-4419-0221-4_28

[33] R. Arora, **V. Metsis**, R. Zhang, and F. Makedon. Providing QoS in ontology centered context aware pervasive systems. In: *Proceedings of the 2nd International Conference on PErvsive Technologies Related to Assistive Environments, ACM, 2009, p. 8.* doi:0010.1145/1579114.1579122

[34] I. Ahmad, R. Arora, D. White, **V. Metsis**, and R. Ingram. Energy-Constrained Scheduling of DAGs on Multiprocessors. In: *Proceedings of the International Conference on Contemporary Computing (IC3 2009), JIIT University, Noida, 2009.* doi:0010.1007/978-3-642-03547-0_56

[35] **V. Metsis**, Z. Le, Y. Lei, and F. Makedon. Towards an evaluation framework for assistive environments" In: *Proceedings of the 1st international conference on PErvasive Technologies Related to Assistive Environments, ACM, 2008, p. 12.* doi:0010.1145/1389586.1389601

[36] K. Stamatakis, **V. Metsis**, V. Karkaletsis, M. Ruzicka, V. Svatek, V. E.A. Cabrera, and M. Polla. Content collection for the labeling of health-related web content. In: *Proceedings of the 11th Conference on Artificial Intelligence in Medicine (AIME 07), LNAI 4594, pp. 341-345, 2007. Amsterdam, 7-11 July, 2007.* doi:0010.1007/978-3-540-73599-1_46

[37] D.V. Gonzales, M.A. Mayer, A. Leis, V. Karkaletsis, K. Stamatakis, **V. Metsis**, P. Nasikas, M. Labsky, M. Ruzicka, V. Svatek, F. Lopez-Ostenero, V. Peinado, E.A.

Cabrera, T. Honkela, M. Polla. AQUA (Assisting Quality Assessment): a system based on Semantic web and information extraction technologies to support medical quality labelling agencies. In: *Proceedings of the 12th World Congress on the Internet in Medicine (Mednet 2007), Leipzig , Germany , October 7-10, 2007*. [PDF]

[38] **V. Metsis**, I. Androutsopoulos and G. Paliouras. Spam Filtering with Naive Bayes – Which Naive Bayes?. In: *Proceedings of the 3rd Conference on Email and Anti-Spam (CEAS 2006), Mountain View, CA, USA, 2006*. [PDF]

[39] V. Karkaletsis, K. Stamatakis, **V. Metsis**, V. Redoumi, D. Tsarouhas. Health-related Web Content: quality labelling mechanisms and the MedIEQ approach. In: *Proceedings of the 4th International Conference On Information Communication Technologies in Health, Samos 2006, Greece*. [PDF]

Workshop Publications:

[40] T. Mauldin, A. H. Ngu, **V. Metsis**, M. E. Canby, J. Tesic. Experimentation and Analysis of Ensemble Deep Learning in IoT Applications. *Accepted to appear at The International Workshop on Very Large Internet of Things (VLIoT 2019), Los Angeles, CA, USA (To Appear)*

[41] **V. Metsis**, P. Jangyodsuk, V. Athitsos, M. Iversen and F. Makedon, Computer Aided Rehabilitation for Patients with Rheumatoid Arthritis, *In the proceedings of Cyber-Physical Systems (CPS) workshop, in ICNC 2013.*

[42] E. Becker, **V. Metsis**, R. Arora, J. Vinjumur, Y. Xu, and F. Makedon, SmartDrawer: RFID-based smart medicine drawer for assistive environments, *Workshop on Affect and Behaviour Related Assistance in Support for the Elderly (ABRA 2009), Proceedings of the 2nd International Conference on PErvsive Technologies Related to Assistive Environments, ACM, 2009, p. 49.*

Posters and Abstracts:

[43] **V. Metsis**, G. Lawrence, M. Trahan, K. S. Smith, and D. Tamir. Virtual Reality Environments for Returning Combat Veteran Social Anxiety and PTSD: Rapid Prototyping Methodologies for Intervention. *Society for Social Work and Research 23rd Annual Conference (SSWR 2019), San Fancisco, CA, USA.*

[44] **V. Metsis**, K. S. Smith, and D. Gobert. Integration of virtual reality with an omni-directional treadmill system for multi-directional balance skills intervention. *In 2017 International Symposium on Wearable Robotics and Rehabilitation (WeRob), pp. 1-2. IEEE, 2017.*

[45] D. Ebert, **V. Metsis**, and F. Makedon. Development and evaluation of a unity-based, kinect-controlled avatar for physical rehabilitation. *In Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments, p. 88. ACM, 2015.*

[46] **V. Metsis**, G. Galatas, and F. Makedon, Automated Sleep Pattern Monitoring for Sleep Disorder Assessment, *IEEE Engineering in Medicine and Biology Society Dallas Chapter (Dallas-EMBS) - 2012 IEEE Texas Medical Device Symposium.*

[47] **V. Metsis**, O. C. Andronesi, H. Huang, M. N. Mindrinos, L. G. Rahme, F. Makedon, and A. A. Tzika. Combination of Sparse and Wrapper Feature Selection from Multi-Source Data for Accurate Brain Tumor Typing. In: *Proceedings of the International Society for Magnetic Resonance in Medicine (ISMRM) 19th Annual Meeting & Exhibition, 7-13 May 2011, Montreal, Canada.* [PDF]

PROFESSIONAL ACTIVITIES

Editorials & Organizer/Chair

- Guest Editor, MDPI Technologies Journal - Special Issue on Pervasive Technologies Related to Assistive Enviroments. (2018).
- Co-Chair, 4th IEEE PerCom Workshop on Pervasive Health Technologies, Japan. (March 11-15, 2019).
- Co-Chair, 3rd IEEE PerCom Workshop on Pervasive Health Technologies, Greece. (March 19-23, 2018).
- Chair, Special NSF Panel: Data Privacy for Pervasive Technologies Related to Assistive Environments, Corfu, Greece. (June 2017).
- Chair, Workshops General Chair - PETRA 2017 Conference, Corfu, Greece. (June 2017).
- Co-Chair, Program Committee Co-Chair at the 9th ACM International Conference on PErvasive Technologies Related to Assistive Environments (PETRA 2016). (June 29, 2016 - July 2, 2016).
- Co-Chair, Doctoral Consortium Chair - IEEE International Conference on Healthcare Informatics 2015 (ICHI 2015). (January 2015 - December 2015).
- Coordinator/Organizer, NSF Doctoral Consortium at PETRA 2017 Conference, Corfu, Greece. (June 2017).
- Chair, Workshop on Non-Invasive Monitoring Technologies for Sleep Disorder Assessment. (July 2015).
- Co-Chair, Program Committee Co-Chair - 8th International Conference on PErvasive Technologies Related to Assistive Environments (PETRA 2015). (July 2015).

Program Committee Service:

- International Conference on PErvasive Technologies Related to Assistive Environments (PETRA). (2008 - Present).
- iWOAR 2018 - 5th International Workshop on Sensor-based Activity Recognition and Interaction, Germany. (2018).
- The 4th IEEE International Conference on Collaboration and Internet Computing, Philadelphia, PA, United States. (2018).
- The IEEE International Conference on Ubiquitous Intelligence and Computing (UIC). (2017 - 2018).
- iWOAR 2016 - 3rd international Workshop on Sensor-based Activity Recognition and Interaction. (2016).
- PCI 2016 - 20th Pan-Hellenic Conference on Informatics. (2016).
- IEEE International Conference on Healthcare Informatics. (2015).
- 2014 IEEE 8th Sensor Array and Multichannel Signal Processing Workshop (SAM). (2014).
- International Symposium on Haptic Audio-Visual Environments and Games (HAVE). (2014).
- PanHellenic Conference on Informatics (PCI). (2012).
- Symposium on Eye Tracking Research & Applications. (2012).
- Workshop on Artificial Intelligence Applications in Biomedicine. (2012).
- International Conference on Artificial Intelligence Applications and Innovations (AIAI)
- Symposium on Eye Tracking Research & Applications (ETRA 2012)
- Workshop on Artificial Intelligence Applications in Biomedicine (AIAB 2012)

Journal Referee Service

- Journal of Machine Learning Research (JMLR)
- IEEE Transactions on Knowledge and Data Engineering (IEEE-TKDE)
- IEEE Transactions on Information Technology in Biomedicine (IEEE-TITB-EMBS)
- IEEE Transactions on Mobile Computing (IEEE-TMC)
- Springer Personal and Ubiquitous Computing
- Springer Universal Access in the Information Society

- Springer Artificial Intelligence Review
- Elsevier Expert Systems with Applications
- Elsevier Journal of Systems and Software
- Elsevier Artificial Intelligence in Medicine (AIIM)
- Elsevier Computer Methods and Programs in Biomedicine
- Journal of Parallel and Distributed Computing
- Journal of Network and Computer Applications
- International Journal on Digital Libraries (ECDL)
- Health Informatics Journal

Memberships
- Institute for Electrical and Electronics Engineers (IEEE), Member.

SOFTWARE SKILLS

Computer Programming:
- Java, C, C++, MATLAB, UNIX shell scripting, AWK, GNU make, SQL, Lisp, and more.

Systems Administration:
- *Operating Systems*: UNIX, Linux, Windows.
- *Servers*: Apache, IIS, MySQL, Postgresql, Tomcat, Glassfish, JBoss, MS SQL Server, SVN Subversion Server.

Development Platforms:
- Netbeans, Eclipse, Matlab, MS Visual Studio, Android Studio.

Web Development:
- HTML, JSF, PHP, ASP, JavaScript, XML, SOAP, RDF.

AWARDS

- PETRA Conference 2008-2011, NSF Student Travel Award
- Q-Invest Graduate Student Fellowship 2008
- Demokritos Research Fellow 2006-2007
- Honored talk at the B.Sc. graduation ceremony as the student with the highest GPA in the class (November 2005).