

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ

Επώνυμο:	Ποταμίτης
Όνομα:	Ηλίας
Όνομα πατρός:	Γεράσιμος
Όνομα μητρός:	Ευαγγελία
Οικογεν.κατάσταση	Παντρεμένος (1 παιδί)
Τόπος γέννησης:	Πάτρα
Διεύθυνση εργασίας:	Ε. Δασκαλάκη - Περιβόλια Ρέθυμνο, 74100 Κρήτη
Τηλέφωνα:	28310 21911
Email:	potamitis@hmu.gr
WWW:	http://www.hmu.gr/mta/

Καθηγητής Α-Βαθμίδας του τμήματος Μουσικής Τεχνολογίας & Ακουστικής του Ελληνικού Μεσογειακού Πανεπιστημίου (<https://www.hmu.gr/>). Γνωστικό αντικείμενο Ψηφιακή Επεξεργασία Σήματος με έμφαση στις εφαρμογές στη Μουσική και Ακουστική (ΦΕΚ 1046/τ.Γ/20-10-2017). Ψηφιακή επεξεργασία βιο-ακουστικών σημάτων και αυτόματη κατηγοριοποίηση αυτών (pattern recognition – Artificial Intelligence). Εφαρμογές αυτόματης κατηγοριοποίησης βιοποικιλότητας εντόμων, πουλιών, κητωδών, φωνήσεων.

ΣΠΟΥΔΕΣ

- 1998-2002** Διδακτορικό Δίπλωμα της Πολυτεχνικής Σχολής του Πανεπιστημίου Πατρών, Τμήμα Ηλεκτρολόγων Μηχανικών & Τεχνολογίας Υπολογιστών με βαθμό Άριστα. *Θέμα Διδακτορικής Διατριβής: «Τεχνικές Αποθορυβοποίησης στο Περιβάλλον της Αυτόματης Αναγνώρισης Ομιλίας».*
- 1990-1995** Διπλωματούχος της Πολυτεχνικής Σχολής του Πανεπιστημίου Πατρών, Τμήμα Ηλεκτρολόγων Μηχανικών & Τεχνολογίας Υπολογιστών. Εισαγωγή με σειρά επιτυχίας 4^{ος}/148 πανελλαδικά. Αποφοίτηση μετά από 5ετή φοίτηση με σειρά επιτυχίας 2^{ος} στο έτος αποφοίτησης και γενικό βαθμό 8,03. Διπλωματική εργασία με τίτλο «Μη γραμμικά δυναμικά συστήματα και νευροφυσιολογικά δίκτυα» με βαθμό 10.

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

ΔΙΔΑΚΤΙΚΟ ΕΡΓΟ (01/10/2005-)

- Διδασκαλία των μαθημάτων:
 - Μαθηματικά I (θεωρία και άσκηση)
 - Μαθηματικά II (θεωρία και άσκηση)
 - Ψηφιακή επεξεργασία σήματος (θεωρία και εργαστήριο)
 - Εισαγωγή στον προγραμματισμό (PYTHON θεωρία και άσκηση)
- Εργαστηριακές σημειώσεις του μαθήματος “Ψηφιακή Επεξεργασία Σήματος” Τμήμα Μουσικής Τεχνολογίας και Ακουστικής.

ΕΡΕΥΝΗΤΙΚΟ ΕΡΓΟ (01/10/2005-)

Εγκεκριμένα Έργα με την ιδιότητα του Επιστημονικού υπεύθυνου από Ευρωπαϊκούς φορείς

1. IoBee (760342) – Beehive health IoT application to fight Honey Bee Colony Mortality, H2020-FTIPilot-2016-1, **1,834,351 (total cost), 1,436,178 (EC), HMU 301,510.**
2. REMOSIS (691131)- A novel smart trap station as an Internet of Things surveillance solution to remotely count and identify the species of disease-carrying mosquitoes, H2020-FTIPilot-2015-1, **1,598,835 (total cost), 1,193,871(EC), TEIC 248,958.**
3. ENTOMATIC - Novel automatic and stand-alone integrated pest management tool for remote count and bioacoustic identification of the Olive Fly (*Bactrocera oleae*) in the field, FP7-SME-605073, (2014-2017), **Προϋπολογισμός 3,042,970 Euros, TEI Κρήτης 616,122 Euros.**
4. AMIBIO – Automatic Monitoring of BIOdiversity (1/2/2010-30/6/2013), FP7 Life+. **Προϋπολογισμός 1,684,000 Euros, TEI Κρήτης 300,000 Euros.**
5. PROMETHEUS - PRediction and interpretatiOn of huMan bEhaviour based on probabilistic sTructures and HEterogeneoUs Sensors (2007-2010), ICT Call 1, FP7-ICT-2007-1. **Προϋπολογισμός 2,150,000 Euros, TEI Κρήτης 70,000 Euros.**
6. Bio-ecological and molecular study of Red palm weevil *Rhynchophorus ferrugineus* and palm borer *Paysandisia archon* and their Integrated management”, Research Promotion Foundation of Cyprus. The project got the first position (Grade 8.67/10), in the Action “Natural Environment” and Thematic Area “Terrestrial Ecosystems”, **Προϋπολογισμός 100,000 Euros, TEI Κρήτης 8.395 Euros.**
7. Λήψη μέτρων φυτοπροστασίας των φοινικοειδών με έμφαση στη χρήση μεθόδων βιοακουστικής και την αντιμετώπιση του νέου σοβαρού εχθρού των φοινικοειδών *Rhynchophorus ferrugineus*” (2007-2010), φορέας χρηματοδότησης Δήμος Ιτάνου – Κρήτη. **Προϋπολογισμός 50,000 Euros.**

Εγκεκριμένα Έργα με την ιδιότητα του Επιστημονικού υπεύθυνου από τη Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΓΓΕΤ):

1. «ΕΡΕΥΝΩ – ΔΗΜΙΟΥΡΓΩ – ΚΑΙΝΟΤΟΜΩ, Β-ΚΥΚΛΟΣ» (ΕΣΠΑ 2014-2020) με κωδικό Τ2ΕΔΚ-00431 και τίτλο "Ανάπτυξη καινοτόμων τεχνολογιών παρακολούθησης ιολογικών ασθενειών-φορέων εσπεριδοειδών και αξιολόγηση εμπορικών σκευασμάτων ενεργοποίησης μηχανισμών άμυνας". **Προϋπολογισμός 736,083, ΕΛΜΕΠΑ 80,000 Euros.**
2. “Διαδραστικό κΑτανεμημένο περιβάλλον επικοινωνίας κατά τη ζωντανή ΜΟΥΣική Εκτέλεση - ΔΙ.Α.ΜΟΥΣ.ΕΣ.” (2006-2008), Κοινοπραξίες Έρευνας και Τεχνολογικής Ανάπτυξης σε τομείς Εθνικής Προτεραιότητας, ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΠΕΡΙΦΕΡΕΙΑΣ ΚΡΗΤΗΣ. **Προϋπολογισμός 638,332 Euros.**
3. “Νέες τεχνικές ανάλυσης στο χώρο χρόνου-συχνοτήτων για την αξιόπιστη κατηγοριοποίηση φωνήσεων πτηνών” (2006-2008), Διακρατική Συνεργασία Ελλάδος Μαυροβουνίου. **Προϋπολογισμός 11,740 Euros.**

ΕΠΙΣΤΗΜΟΝΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

Αναφέρονται μόνο οι δημοσιεύσεις σε διεθνή περιοδικά, βιβλία συλλογικών εκδόσεων και διεθνή συνέδρια με κρίση.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΕΡΙΟΔΙΚΑ

- [1] Ntalampiras, S., **Potamitis, I.** Few-shot learning for modeling cyber physical systems in non-stationary environments. *Neural Comput & Applic* (2022). <https://doi.org/10.1007/s00521-022-07903-0>, Oct. 2022
- [2] Saradopoulos, I.; **Potamitis, I.**; Ntalampiras, S.; Konstantaras, A.I.; Antonidakis, E.N. Edge Computing for Vision-Based, Urban-Insects Traps in the Context of Smart Cities. *Sensors* 2022, 22, 2006. <https://doi.org/10.3390/s22052006>
- [3] Hassall Kirsty, Dye Alex, **Potamitis Ilyas**, Bell James. Resolving the identification of weak-flying insects during flight: a coupling between rigorous data processing and biology, *Agricultural and Forest Entomology*, Royal Entomological Society Journal, May 2021.
- [4] Iraklis I. Rigakis, Kiki N. Varikou, Antonis E. Nikolakakis, Zacharias D. Skarakis, Nikolaos A. Tatlas, Ilyas G. **Potamitis**, The e-funnel trap: Automatic monitoring of lepidoptera; a case study of tomato leaf miner, *Computers and Electronics in Agriculture*, Volume 185, 2021, 106154, ISSN 0168-1699, <https://doi.org/10.1016/j.compag.2021.106154>.
- [5] Rigakis, I.; **Potamitis, I.**; Tatlas, N.-A.; Potirakis, S.M.; Ntalampiras, S. TreeVibes: Modern Tools for Global Monitoring of Trees for Borers. *Smart Cities* 2021, 4, 271-285. <https://doi.org/10.3390/smartcities4010017>
- [6] Ntalampiras, S., **Potamitis, I.** Acoustic detection of unknown bird species and individuals, *Transactions of Intelligence Technology*, Wiley, <https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/cit2.12007>, March 2021.

- [7] Ntalampiras, S., **Potamitis, I.** Automatic acoustic identification of respiratory diseases. *Evolving Systems An Interdisciplinary Journal for Advanced Science and Technology* (2020), pp. 1-9, Springer, <https://link.springer.com/article/10.1007/s12530-020-09339-0>
- [8] Ntalampiras, S. and **Potamitis I.** "A Concept Drift-Aware DAG-Based Classification Scheme for Acoustic Monitoring of Farms." *IJERTCS* 11.1 (2020): 62-75, 13 May. 2020. doi:10.4018/IJERTCS.2020010104
- [9] S. Ntalampiras and **I. Potamitis**, "A Statistical Inference Framework for Understanding Music-Related Brain Activity," in *IEEE Journal of Selected Topics in Signal Processing* (Volume: 13, Issue: 2, May 2019), pp. 275- 284 doi: 10.1109/JSTSP.2019.2905431
- [10] Rigakis, I.; **Potamitis, I.**; Tatlas, N.-A.; Livadaras, I.; Ntalampiras, S. A Multispectral Backscattered Light Recorder of Insects' Wingbeats. *Electronics MDPI* 2019, 8, 277.
- [11] **Potamitis, I.**; Rigakis, I.; Tatlas, N.-A.; Potirakis, S. In-Vivo Vibroacoustic Surveillance of Trees in the Context of the IoT. *Sensors MDPI* 2019, 19, 1366.
- [12] Ntalampiras, S.; **Potamitis, I.** Transfer Learning for Improved Audio-Based Human Activity Recognition. *Biosensors MDPI* 2018, 8, 60.
- [13] Eliopoulos, P.; Tatlas, N.-A.; Rigakis, I.; **Potamitis, I.** A "Smart" Trap Device for Detection of Crawling Insects and Other Arthropods in Urban Environments. *Electronics MDPI* 2018, 7, 161.
- [14] **Ilyas Potamitis**, Iraklis Rigakis, Nectarios Vidakis, Markos Petousis, and Michael Weber, "Affordable Bimodal Optical Sensors to Spread the Use of Automated Insect Monitoring," *Journal of Sensors HINDAWI*, vol. 2018, Article ID 3949415, 25 pages, 2018. <https://doi.org/10.1155/2018/3949415>.
- [15] **Potamitis, I.**; Eliopoulos, P.; Rigakis, I. Automated Remote Insect Surveillance at a Global Scale and the Internet of Things. *Robotics MDPI*, 2017, 6, 19.
- [16] P. Psirofonis, V. Samaritakis, P. Eliopoulos, **I. Potamitis**, Use of Unmanned Aerial Vehicles for Agricultural Applications with emphasis on crop protection: three Novel Case-studies, *International Journal of Agricultural Science and Technology* Vol. 5, No. 1—February 2017 2327-7246/17/01 030-10 doi:10.12783/ijast.2017.0501.03
- [17] **I. Potamitis**, I. Rigakis, N-A. Tatlas, Automated Surveillance of Fruit Flies. *Sensors MDPI* 2017, 17, 110.
- [18] **I. Potamitis**, I. Rigakis. Large Aperture Optoelectronic Devices to Record and Time-stamp Insects' Wingbeats, *IEEE Sensors Journal*, Volume: 16, Issue: 15, Aug.1, pp. 6053-6061, 2016.
- [19] P. Eliopoulos, **I. Potamitis**, D. Kontodimas, Estimation of population density of stored grain pests via bioacoustic detection, *Crop Protection*, Volume 85, July 2016, Pages 71-78, ISSN 0261-2194, <http://dx.doi.org/10.1016/j.cropro.2016.04.001>.
- [20] **I. Potamitis**, I. Rigakis. Measuring the fundamental frequency and the harmonic properties of the wingbeat of a large number of mosquitoes in flight using 2D

- optoacoustic sensors, *Applied Acoustics*, 2016, Volume 109, August 2016, Pages 54-60, ISSN 0003-682X, <http://dx.doi.org/10.1016/j.apacoust.2016.03.005>.
- [21] P.A. Eliopoulos, **I. Potamitis**, D.Ch. Kontodimas, E.G. Givropoulou, Detection of adult beetles inside the stored wheat mass based on their acoustic emissions, *Journal of Economic Entomology*, DOI: <http://dx.doi.org/10.1093/jee/tov231>, 5 August 2015.
- [22] **I. Potamitis**, I. Rigakis, K. Fysarakis (2015) Insect Biometrics: Optoacoustic Signal Processing and Its Applications to Remote Monitoring of McPhail Type Traps. *PLoS ONE* 10(11): e0140474. doi:10.1371/journal.pone.0140474.
- [23] **I. Potamitis**, I. Rigakis, Smart traps for automatic remote monitoring of *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae), *Peerj Preprints (not peer reviewed)*, 2015.
- [24] **I. Potamitis**, I. Rigakis, Novel Noise-Robust Optoacoustic Sensors to Identify Insects Through Wingbeats, *IEEE Sensors Journal*, vol.15, no.8, pp.4621,4631, Aug. 2015, doi: 10.1109/JSEN.2015.2424924
- [25] **I. Potamitis**. Unsupervised dictionary extraction of bird vocalisations and new tools on assessing and visualising bird activity, *Ecological Informatics*, vol. 26, part 3, March 2015, pp. 6-17, ISSN 1574-9541, <http://dx.doi.org/10.1016/j.ecoinf.2015.01.002>
- [26] **I. Potamitis**, I. Rigakis, K.Fysarakis. The Electronic McPhail Trap. *Sensors MDPI*, 2014, 14, 22285-22299
- [27] **I. Potamitis**, S. Ntalampiras, O. Jahn, K. Riede, Automatic bird sound detection in long real-field recordings: Applications and tools, *Applied Acoustics*, Volume 80, 2014, pp. 1-9, ISSN 0003-682X, <http://dx.doi.org/10.1016/j.apacoust.2014.01.001>.
- [28] **I. Potamitis**, Classifying insects on the fly, *Ecological Informatics*, Volume 21, May 2014, Pages 40-49, ISSN 1574-9541, <http://dx.doi.org/10.1016/j.ecoinf.2013.11.005>.
- [29] **I. Potamitis** (2014) Automatic Classification of a Taxon-Rich Community Recorded in the Wild. *PLoS ONE* 9(5): e96936. doi:10.1371/journal.pone.0096936
- [30] S. Ntalampiras, **I. Potamitis**, and N. Fakotakis, “Acoustic detection of human activities in natural environments”, *Journal of the Audio Engineering Society*, JAES Volume 60 Issue 9 pp. 686-695; September 2012.
- [31] S. Ntalampiras, **I. Potamitis**, and N. Fakotakis, “Probabilistic novelty detection for acoustic surveillance under real-world conditions”, *IEEE Transactions on Multimedia*, Vol. 13, No. 4, August 2011.
- [32] S. Ntalampiras, **I. Potamitis**, and N. Fakotakis, “Practical system for acoustic surveillance of hazardous situations”, *International Journal of Artificial Intelligence Tolls (IJAIT)*, Vol. No.20, Issue No. 1, pp. 119-137, 2011.
- [33] **I. Potamitis**, T. Ganchev, D. Kododimas, “On automatic bioacoustic detection of pests: the cases of *Rhynchophorus Ferrugineus* and *sitophilus oryzae*”, *Journal of Economic Entomology*, Volume 102, Number 4, pp. 1681-1690(10), August 2009.
- [34] S. Ntalampiras, **I. Potamitis**, and N. Fakotakis, “An Adaptive Framework for Acoustic Monitoring of Potential Hazards”, *EURASIP Journal on Audio, Speech and*

Music Processing, vol. 2009, Article ID 594103, 15 pages, 2009.
doi:10.1155/2009/594103.

- [35] S. Ntalampiras, **I. Potamitis**, and N. Fakotakis, “Exploiting Temporal Feature Integration for Generalized Sound Recognition”, *EURASIP Journal on Advances in Signal Processing*, vol. 2009, Article ID 807162, 12 pages, 2009.
doi:10.1155/2009/807162.
- [36] T. Ganchev, **I. Potamitis**, “Automatic Acoustic Identification of Singing Insects”, *Bioacoustics*, Vol. 16, pp. 281–327, 2007.
- [37] **I. Potamitis** et al., “Speech Separation of Multiple Moving Speakers Using Multi-Sensor Multi-Target Techniques”, *IEEE Transactions on Systems Man and Cybernetics – A*, Vol. 37, Issue: 1, pp. 72-81, Jan. 2007.
- [38] T. Giannakopoulos, N.A. Tatlas, T. Ganchev, **I. Potamitis**, “A Practical, Real-Time Speech-Driven Home Automation Front-end”, *IEEE Transactions on Consumer Electronics*, Vol. 51, No. 2, pp. 514-523, May 2005.
- [39] **I. Potamitis**, H. Chen, G. Tremoulis, “Tracking of Multiple Moving Speakers with Multiple Microphone Arrays”, *IEEE Transactions on Speech and Audio Processing*, Vol. 12, No. 5, pp. 520-529, September 2004.
- [40] **I. Potamitis**, E. Fishler, “Speech Activity Detection and Enhancement of a Moving Speaker Based on the Wideband Generalized Likelihood Ratio and Microphone Arrays”, *Journal of the Acoustical Society of America*, Vol. 116, No. 4, Pt. 1, pp. 2406-2415, October 2004.
- [41] **I. Potamitis**, “Estimation of Speech Presence Probability in the field of Microphone Array”, *IEEE Signal Processing Letters*, Vol. 11, No. 12, pp. 956-959, December 2004.
- [42] T. Ganchev, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Text-Independent Speaker Verification for Real, Fast-Varying Noisy Environments”, *International Journal of Speech Technology*, Kluwer Academic Publishers, 7 (4), pp. 281-292, October 2004.
- [43] **I. Potamitis**, P. Zervas, N. Fakotakis, “Wideband DOA estimation using complex independent component analysis”, *International Transaction on Speech Science and Engineering*, Vol. 1, No. 2, pp. 30-39, December 2004.
- [44] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Speech Enhancement using Band-dependent Spectral Estimators”, *Transactions on Information and Systems, IEICE*, Vol. E86-D, No.5, pp. 937-946, May 2003.
- [45] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Independent Component Analysis Applied to Feature Extraction for Robust Automatic Speech Recognition”, *Electronics Letters, an International Publication, IEE*, Vol. 36, No. 23, pp. 1977-1978, Nov. 2000.
- [46] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Robust Automatic Speech Recognition in the Presence of Impulsive Noise”, *Electronics, Letters, an International Publication, IEE*, Vol. 37, No. 12, pp. 799-800, June 2001.

- [47] **I. Potamitis**, E. Fishler, “Speech Activity Detection of a Moving Speaker Using Microphone Arrays”, *Electronics Letters, an International Publication, IEE*, Vol. 39, No. 16, pp. 1223-1225, August 2003.
- [48] **I. Potamitis**, “Autoregressive Time-Frequency Interpolation for Robust Speech Recognition in the Context of Impulsive Noise”, *Signal Processing and Pattern Recognition, A.M.S.E. Periodicals*, Vol. 46, No. 3, pp. 37-48, 2003.
- [49] **I. Potamitis**, N. Fakotakis, N. Liolios, “Speech Enhancement Based on Combining Perceptual Enhancement and Short-Time Spectral attenuation”, *Signal Processing and Pattern Recognition, A.M.S.E. Periodicals*, Vol. 46, No. 7, pp. 53-65, 2003.
- [50] T. Ganchev, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “A Model Based Approach for robust text-independent Speaker Verification in adverse Environments”, *Signal Processing and Pattern Recognition, A.M.S.E. Periodicals*, Vol. 47 no. 3, pp. 47-66, 2004.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΒΙΒΛΙΑ ΣΥΛΛΟΓΙΚΩΝ ΕΚΔΟΣΕΩΝ

- [51] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Bayesian Independent Component Analysis as Applied to One-Channel Speech Enhancement”, Georg Doffner et.al. (Editors), *Lecture Notes in Computer Science series, LNCS 2130*, pp. 593-600, Springer-Verlag, Berlin Heidelberg, 2001.
- [52] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Speech Recognition Based on Feature Extraction with Variable Rate Frequency Sampling”, V. Matousek et. al. (Editors), *Lecture Notes in Artificial Intelligence, LNAI 2166, Lecture Notes in Computer Science Series*, pp. 329-333, Springer-Verlag, Berlin Heidelberg, 2001.
- [53] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Bayesian Noise Compensation of Time Trajectories of Spectral Coefficients for Robust Speech Recognition”, V. Matousek et. al. (Editors), *Lecture Notes in Artificial Intelligence, LNAI 2166, Lecture Notes in Computer Science Series*, pp. 214-221, Springer-Verlag, Berlin Heidelberg, 2001.
- [54] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Speech Enhancement Using Mixtures of Gaussians for Speech and Noise”, *Lecture Notes in Artificial Intelligence, LNAI 2166, Lecture Notes in Computer Science Series*, pp. 337-340, Springer-Verlag, Berlin Heidelberg, 2002.
- [55] P. Zervas, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “On the First Greek-TTS based on Festival Speech Synthesis: Architecture and Components Description”, *Lecture Notes in Artificial Intelligence, LNAI 2166, Lecture Notes in Computer Science Series*, pp. 261-264, Springer-Verlag, Berlin Heidelberg, 2002.
- [56] **I. Potamitis**, G. Tremoulis, N. Fakotakis, “Multi-Array Multi-Speaker Tracking”, *Lecture Notes in Artificial Intelligence, LNAI 2807, Lecture Notes in Computer Science Series*, pp. 206-213, Springer-Verlag, Berlin Heidelberg, 2003.
- [57] **I. Potamitis**, T. Ganchev, “Generalized Recognition of Sound Events: Approaches and Applications” (**invited chapter**), *Multimedia Services in Intelligent Environments*, 2008, Springer Verlag.

ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΣΗ

- [58] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Improving the Robustness of Noisy MFCC Features Using Minimal Recurrent Neural Networks”, *IJCNN, the IEEE-INNS-ENNS International Joint Conference on Neural Networks*, Vol. 1, pp. 271-278, Como, Italy, July 24-27, 2000.
- [59] **I. Potamitis**, N. Fakotakis, G. Kokkinakis “Impulsive Noise Removal using Neural Networks”, *ICASSP, IEEE International Conference on Acoustic, Speech and Signal Processing*, Vol. 3, pp. 1871-1874, Istanbul, Turkey, May 5-9, 2000.
- [60] **I. Potamitis**, N. Fakotakis and G. Kokkinakis, “Minimal Recurrent Neural Nets as Applied to the Problem of Car Noise”, *EURONOISE, 4th European Conference on Noise Control*, Vol. 1, pp. 514-525, Patras, Greece, Jan. 14-17, 2001.
- [61] **I. Potamitis**, N. Fakotakis and G. Kokkinakis, “Independent Component Analysis Applied to Speech Denoising”, *EURONOISE, 4th European Conference on Noise Control*, Vol. 1, pp. 466-478, Patras, Greece, Jan. 14-17, 2001.
- [62] **I. Potamitis**, N. Fakotakis and G. Kokkinakis, “Speech Enhancement using the Sparse Code Shrinkage Technique”, *ICASSP, IEEE International Conference on Acoustic Speech and Signal Processing*, Vol. 1, pp. 621-624, Salt Lake City, Utah, USA, May 7-11, 2001.
- [63] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Spectral and Cepstral Projection Bases Constructed by Independent Component Analysis”, *ICSLP, 6th International Conference on Spoken Language Processing*, Vol. III, pp. 63-66, Beijing, China, Oct. 16-20, 2000.
- [64] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Reliable ASR based on Unreliable Features”, *ASR, Automatic Speech Recognition: Challenges for the New Millennium*, Vol.1, pp. 53-57, Paris, France, Sept. 18-20, 2000.
- [65] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Bayesian factor analysis as applied to speech enhancement”, *ASME International, First National Conference on Recent Advances in Mechanical Engineering*, Patras, Greece, Sept. 17-20, 2001.
- [66] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Impulsive noise suppression in the context of automatic speech recognition”, *ASME International, First National Conference on Recent Advances in Mechanical Engineering*, Patras, Greece, Sept. 17-20, 2001.
- [67] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Car-noise compensation using neural networks”, *ASME International, First National Conference on Recent Advances in Mechanical Engineering*, Patras, Greece, Sept. 17-20, 2001.
- [68] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Map Estimation for On-line Noise Compensation of Time Trajectories of Spectral Coefficients”, *EUROSPEECH, 7th European Conference on Speech Communication and Technology*, Vol. III, pp. 1899-1902, Aalborg, Denmark, Sept. 3-7, 2001.
- [69] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Autoregressive Time-Frequency Interpolation in the Context of Missing Data Theory for Impulsive Noise

- Compensation”, *EUROSPEECH, 7th European Conference on Speech Communication and Technology*, Vol. IV, pp. 2475-2478, Aalborg, Denmark, Sept. 3-7, 2001.
- [70] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Feature Extraction with Variable Rate Frequency Sampling for Robust Speech Recognition”, *SPECOM, Speech and Computer International Workshop*, pp. 108-111, Moscow, Russia, Oct. 29-31, 2001.
- [71] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Gender-Dependent and Speaker-Dependent Speech Enhancement”, *ICASSP, IEEE International Conference on Acoustic Speech and Signal Processing*, Vol. I, pp. 249-252, Orlando, Florida, USA, May 7-11, 2002.
- [72] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Model based speech enhancement for time-varying noises”, *ICPhS, 15th International Congress of Phonetic Sciences*, pp. 2197-2200, Barcelona, Spain, August 3-9, 2003.
- [73] T. Ganchev, **I. Potamitis**, N. Fakotakis, “Noise-source modelling for robust speaker verification in adverse environments”, *IEEE ISAP, Competitive Environment, Renewable Energy, Distributed Generation*, Lemnos, Greece, 31 August-3 September, 2003.
- [74] **I. Potamitis**, K. Georgila, P. Zervas, N. Fakotakis, G. Kokkinakis, “An electronic assistant for automatic control of home-appliances using natural speech and distant microphones”, *SPPRA 2003, International Conference on Signal Processing, Pattern Recognition and Applications*, pp. 191-195, June 30 - July 2, 2003, Rhodes, Greece.
- [75] P. Zervas, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “Fixed-Point DSP Implementation of HVXC encoder/decoder on OakDSPCore platform”, *SPPRA, International Conference on Signal Processing, Pattern Recognition and Applications*, pp. 220-223, June 30 - July 2, 2003, Rhodes, Greece.
- [76] P. Zervas, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “HVXC Coder/Decoder Implementation for Mobile Applications”, *SPECOM, Speech and Computer International Workshop*, Moscow, Russia, Oct. 29-31, pp. 162-167, 2003.
- [77] P. Zervas, **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “A Greek TTS based on Non uniform unit concatenation and the utilization of Festival architecture”, *First Balkan Conference on Informatics*, Thessalonica, Greece, November 21-23, pp. 662-668, 2003.
- [78] **I. Potamitis**, K. Georgila, N. Fakotakis, G. Kokkinakis, “Towards a User-Friendly Automated Control of Home Appliances based on Speech Recognition and Microphone Arrays”, *SPECOM, Speech and Computer International Workshop*, pp. 226-230, Moscow, Russia, Oct. 29-31, 2003.
- [79] **I. Potamitis**, G. Tremoulis, N. Fakotakis, “Multi-Speaker DOA Tracking Using Interactive Multiple Models and Data Association Techniques”, *EUROSPEECH, 8th European Conference on Speech Communication and Technology*, September 1-4, 2003, Geneva, Switzerland, Vol. I, pp. 517-520, 2003.
- [80] **I. Potamitis**, G. Tremoulis, N. Fakotakis, G. Kokkinakis, “Multi-Array fusion for beamforming and localization of moving speakers”, *EUROSPEECH, 8th European*

- Conference on Speech Communication and Technology*, September 1-4, 2003, Geneva, Switzerland, Vol. II, pp. 1721-1724, 2003.
- [81] **I. Potamitis**, R. Georgilla, N. Fakotakis, G. Kokkinakis, “An integrated system for smart-home control of appliances based on remote speech interaction”, *EUROSPEECH, 8th European Conference on Speech Communication and Technology*, September 1-4, 2003, Geneva, Switzerland, Vol. III, pp. 2197-2200, 2003.
- [82] **I. Potamitis**, N. Fakotakis, G. Kokkinakis, “A Trainable Speech Enhancement Technique Based on Mixture Models for Speech and Noise”, *EUROSPEECH, 8th European Conference on Speech Communication and Technology*, September 1-4, 2003, Geneva, Switzerland, Vol. I, pp. 573-576, 2003.
- [83] **I. Potamitis**, E. Fishler, “Microphone Array Voice Activity Detection and Noise Suppression using Wideband Generalized Likelihood Ratio”, *EUROSPEECH, 8th European Conference on Speech Communication and Technology*, September 1-4, 2003, Geneva, Switzerland, Vol. I, pp. 525-529, 2003.
- [84] S. Möller, J. Krebber, A. Raake, P. Smeele, M. Rajman, M. Melichar, G. Tsakou, B. Kladis, A. Vovos, J. Hoonhout, D. Schuchardt, N. Fakotakis, **I. Potamitis**, “INSPIRE: Evaluation of a Smart-Home System for Infotainment Management and Device Control”, *LREC, Language Resources and Evaluation conference*, Lisbon, Portugal, vol. V., pp. 1603-1607, May 2004.
- [85] **I. Potamitis**, N. Fakotakis, “Tracking and Voice Separation of Moving Speakers based on IMM-PDA filters”, *FUSION, 7th International Conference on Information Fusion*, Stockholm, Sweden, pp. 442-448, 2004.
- [86] **I. Potamitis**, P. Zervas, N. Fakotakis, “Voice separation of overlapping speech using tracking techniques and the gating process”, *EUSIPCO, 12th European Signal Processing Conference*, September 7-10, 2004, Vienna, Austria, pp. 1119-1122, 2004.
- [87] **I. Potamitis**, P. Zervas, N. Fakotakis, “DOA estimation of speech signals using semi-blind source separation techniques”, *ICSLP, 8th International Conference on Spoken Language Processing*, vol. IV, pp. 2857-2860, Beijing, Jeju Island, Korea, Oct. 4-8, 2004.
- [88] **I. Potamitis**, N. Fakotakis, “Enhancement of Mel log-power spectrum of speech using particle filtering”, *INTERSPEECH-EUROSPEECH, 9th European Conference on Speech Communication and Technology*, pp. 917-920, Lisbon, Portugal, September 4-8, 2005.
- [89] P. Hatziantoniou, **I. Potamitis**, N.-A. Tatlas, J. Mourjopoulos and N. Fakotakis, “Robust speech recognition in reverberant environments based on complex-smoothed responses”, *SPECOM, Speech and Computer International Workshop*, pp. 107-110, Patras, Greece, Oct. 17-19, 2005.
- [90] **I. Potamitis**, T. Ganchev, N. Fakotakis, “Automatic Acoustic Identification of Insects Inspired by the Speaker Recognition Paradigm”, *INTERSPEECH-ICSLP, International Conference on Spoken Language Processing*, pp. 2126-2129, Pittsburg PA, USA, September 17-21, 2006.

- [91] **I. Potamitis**, T. Ganchev, N. Fakotakis, “Automatic acoustic identification of crickets and cicadas”, *ISSPA 2007 International Symposium on Signal Processing and its Applications* in conjunction with the *International Conference on Information Sciences, Signal Processing and its Applications*, Sharjah, United Arab Emirates, February 12-15, 2007.
- [92] **I. Potamitis**, T. Ganchev, N. Fakotakis, “Acoustic monitoring of singing insects”, *ICASSP 2007, IEEE International Conference on Acoustic Speech and Signal Processing*, IV, pp. 721-724, Hawai’i, Honolulu, USA, April 15 - 20, 2007.
- [93] S. Ntalampiras, **I. Potamitis**, N. Fakotakis, “Automatic Recognition of Urban Soundscapes”, *KES Intelligent Interactive Multimedia Systems and Services 2008* University of Piraeus, Greece, 9-11 July 2008.
- [94] **I. Potamitis**, “One-channel separation and recognition of mixtures of environmental sounds: the case of bird-song classification in composite soundscapes”, *KES Intelligent Interactive Multimedia Systems and Services 2008* University of Piraeus, Greece, 9-11 July 2008.
- [95] S. Ntalampiras, **I. Potamitis**, N. Fakotakis, “Automatic recognition of urban environmental sounds events”, *1st IAPR Workshop on Cognitive Information Processing*, Santorini, Greece, June 9-10, 2008.
- [96] S. Ntalampiras, T. Ganchev, **I. Potamitis**, N. Fakotakis, “Objective Comparison of Speech Enhancement Algorithms under real world conditions”, *1st International Conference on Pervasive Technologies Related to Assistive Environments PETRA 2008*, July 16 - 19, Athens Greece, 2008.
- [97] **I. Potamitis**, T. Ganchev, N. Fakotakis, “Automatic bioacoustic detection of *Rhynchophorus Ferrugineus*”, *EUSIPCO, 16th European Signal Processing Conference*, August 25-29, Laussane, Switzerland, 2008.
- [98] **I. Potamitis**, “Single channel enumeration and recognition of an unknown and time-varying number of sound sources”, *EUSIPCO, 16th European Signal Processing Conference*, August 25-29, Laussane, Switzerland, 2008.
- [99] **I. Potamitis**, A. Ozerov, “Single channel source separation using static and dynamic features in the power domain”, *EUSIPCO, 16th European Signal Processing Conference*, August 25-29, Laussane, Switzerland, 2008.
- [100] S. Ntalampiras, **I. Potamitis**, N. Fakotakis, “Sound Recognition in the urban environment inspired by the Speech/Speaker Recognition Paradigm”, *SPECOM, International Conference on Speech and Computer*, Saint Petersburg, Russia, June 21-25, 2009.
- [101] S. Ntalampiras, **I. Potamitis**, N. Fakotakis, “Acoustic Monitoring of Abnormal Situations under different kind of Environments”, *SPECOM, International Conference on Speech and Computer*, Saint Petersburg, Russia, June 21-25, 2009.
- [102] S. Ntalampiras, D. Arsic, A. Stormer, T. Ganchev, **I. Potamitis**, N. Fakotakis, “PROMETHEUS Database: A Multimodal Corpus for Research on Modelling and Interpreting Human Behavior”, in *Digital Signal Processing 2009, Special session: Fusion of Heterogeneous Data for Robust Estimation and Classification*, Santorini, Greece, July 5-7, 2009.

- [103] S. Ntalampiras, **I. Potamitis** and N. Fakotakis, "Sound Classification based on Temporal Feature Integration", in *4th International Symposium on Communications, Control and Signal Processing*, March 3-5, 2010, Limassol, Cyprus.
- [104] S. Ntalampiras, T. Ganchev, **I. Potamitis** and N. Fakotakis, "Heterogeneous Sensor Database in Support for Human Behavior Analysis in Unrestricted Environments: The Audio Part", *LREC, Language Resources and Evaluation conference*, Malta, May 17-23, 2010.
- [105] S. Ntalampiras, **I. Potamitis** and N. Fakotakis, "A Multidomain Approach for Automatic Home Environmental Sound Classification", in *Interspeech 2010*, Tokyo, Japan, September 26-30, 2010.
- [106] S. Ntalampiras, **I. Potamitis** and N. Fakotakis, "Identification of Abnormal Audio Events Based on Probabilistic Novelty Detection", in *Interspeech 2010*, Tokyo, Japan, September 26-30, 2010.
- [107] **I. Potamitis**, T. Ganchev, D. Kontodimas, P. Eliopoulos, "On automatic bioacoustic detection of stored product pests: the case of *Sitophilus oryzae*", *10th International Working Conference on Stored Product Protection 110*, Julius-Kühn-Archiv IWCSPP, 27 June to 2 July 2010, Estoril, Portugal, 2010.
- [108] S. Ntalampiras, **I. Potamitis**, N. Fakotakis, and S. Kouzoupis, "Automatic Recognition of an Unknown and Time-Varying Number of Simultaneous Environmental Sound Sources", *ICEESD 2011 : "International Conference on Ecosystems, Environment and Sustainable Development"*, Venice, Italy, November 28-30, 2011.
- [109] S. Ntalampiras, **I. Potamitis**, "Detection of Human Activities in Natural Environments Based on Their Acoustic Emissions", *EUSIPCO, 20th European Signal Processing Conference*, Bucharest, Romania, August 27-31, pp. 1469-1473, 2012.
- [110] S. Ntalampiras, **I. Potamitis**, "On Predicting the Unpleasantness Level of a Sound Event." Fifteenth Annual Conference of the International Speech Communication Association. 2014, Singapore.
- [111] **I. Potamitis**, P. Schäfer, On classifying insects from their wing-beat: New results, Ecology and acoustics: emergent properties from community to landscape, 16-18 Jun 2014 Paris (France)
- [112] S. Ntalampiras, **I. Potamitis**, T. Ganchev, and N. Fakotakis, 'Audio Database in Support of Potential Threat and Crisis Situation Management', *LREC, Language Resources and Evaluation conference*, Marrocco, May 28-30, 2008.
- [113] Π.Α. Ηλιόπουλος, Ε.Γ. Γιβροπούλου, **Η. Ποταμίτης**, και Δ.Χ. Κοντοδήμας, 'Η βιοακουστική ως μέθοδος εντοπισμού και εκτίμησης της προσβολής από έντομα σε σωρούς αποθηκευμένων σπόρων', 15ο Πανελλήνιο Εντομολογικό Συνέδριο Καβάλα, 22-25 Οκτωβρίου 2013.
- [114] Eliopoulos, P.A., E.G. Givropoulou, **I. Potamitis** & D.Ch. Kontodimas (2013). Population density estimation of stored grain pests based on their acoustic emissions. IOBC-WPRS working group, Integrated Protection of Stored Products, 1st – 4th July 2013, Bordeaux, France, Book of Abstracts, p. 40.
- [115] S. Ntalampiras, **I. Potamitis**, N. Fakotakis (2009). A portable system for robust acoustic detection of atypical situations. EUSIPCO, 17th European Signal Processing Conference, Glasgow, Scotland, August 24-28, pp. 1121-1125.

- [116] **I. Potamitis**, S. Ntalampiras, Automatic Analysis of a whale song, NIPS 2013 for Bioacoustics, Lake Tahoe, Nevada, USA, Dec. 5 – Dec. 8, 2013.
- [117] **I. Potamitis**, K. Fysarakis, D. Longueville and S. Ntalampiras. Hardware implementation of a system classifying the optoacoustic signature of insects wing-flap, 22nd Congress on Sound and Vibration, Florence 12-16 July, Italy, 2015.
- [118] S. Ntalampiras, **I. Potamitis**. Canonical correlation analysis for classifying baby crying sound events, 22nd Congress on Sound and Vibration, Florence 12-16 July, Italy, 2015.
- [119] **I. Potamitis**, I. Rigakis, K. Fysarakis. Remote monitoring of insects of economic importance based on the spectral analysis of their wing-flap, 9th EARSeL SIG Imaging Spectroscopy workshop, 14-16 April, 2015.
- [120] **I. Potamitis**, P. Eliopoulos, D. Kontodimas. The electronic McPhail Trap and a potential revision of the decision protocol. IOBC/wprs WG "Integrated Protection of Olive Crops, Kalamata, Greece, May 11-14, 2015.
- [121] **I. Potamitis**, I. Rigakis, Mass Data Acquisition and Analysis of Optical insects' wingbeat signals, International Conference on Mass Data Analysis of Images and Signals MDA 2016 in New York., July 9-13, USA.
- [122] **I. Potamitis**, I. Rigakis, Insect surveillance at a global scale and the Internet of Things has been accepted for Poster presentation at the EcoSummit 2016 Ecological Sustainability: Engineering Change, August 2016, Montpellier, France.
- [123] S. Kouzoupis, N. Tsagarakis, **I. Potamitis**. Plane wave underwater sound scattering from models of individual fish with swim bladders, the 23rd International Congress on Sound and Vibration, 10-14 July 2016, Athens, Greece.
- [124] A. Rose, M. Weber, **I. Potamitis**, P. Villalonga, C. Pruszynski, M. Doyle, M. Geismar, J. Encarnacao and M. Geier. The BG-Counter, the first operative automatic mosquito counting device for online mosquito monitoring: field tests and technical outlook by, 20th European Society for Vector Ecology (E-SOVE), 3-7 Oct. 2016, Lisbon, Portugal.
- [125] S. Ntalampiras, **I. Potamitis**, Emotion Prediction of Sound Events Based on Transfer Learning, International Conference on Engineering Applications of Neural Networks, EANN 2017: Engineering Applications of Neural Networks, pp. 303-313, Athens, Greece, August, 25-27, 2017.
- [126] **I. Potamitis** and I. Rigakis "Automated monitoring of Olive Orchards", HAICTA 2017, 8th International Conference on Information and Communication Technologies in Agriculture, Food and Environment 21-24 September 2017, Chania, Greece.
- [127] A. Rose, M. Weber, **I. Potamitis**, P. Villalonga, C. Pruszynski, M. Doyle, M. Geismar, J. Encarnacao and M. Geier. "Automatically counting and identifying mosquitoes in real time: latest updates on the EU-funded REMOSIS project, 7th International Congress in Palm de Mallorca, Spain, October 1-7, 2017.
- [128] L. Fanioudakis, **I. Potamitis**, Deep Networks tag the location of bird vocalisations on audio spectrograms, European Conference of Tropical Ecology, Paris, 26-29 March, 2018.
- [129] T. Theodorou, I. Mporas, **I. Potamitis** and N. Fakotakis, Data-Driven Audio Feature Selection for Audio Quality Recognition in Broadcast News, 10th Hellenic Conference on Artificial Intelligence (SETN2018) , 9-15 July, Patras, Greece.

- [130] A. Rose, S. Sperling, U. Gordon, M. Weber, M. Geismar, **I. Potamitis**, P. Villalonga, J. Encarnacao, M. Geier. Distinguishing populations of living *Anopheles gambiae* s.s. and *Anopheles arabiensis* using a non-invasive optoacoustic analysis of wing beat patterns, AMCA 2018, Feb. 26-28, Kansas city USA.
- [131] M. Weber, M. Geier, S. Sperling, **I. Potamitis**, M. Boisvert, J. Buettner, Ch. Abadam, J. Kiser, K. Akaratovic. Laboratory and field results from an enhanced BG-Sentinel with a mosquito wingbeat analyzer. AMCA 2018, Feb. 26-28, Kansas city USA.
- [132] Eliopoulos, P.A. & **I. Potamitis** (2018) Detection and estimation of population density of bean weevils (Coleoptera : Bruchidae) in stored pulses via bioacoustic analysis. Abstracts of 12th International Working Conference on Stored Product Protection, October 7th -11th , Berlin, Germany
- [133] Eliopoulos, P.A., **I. Potamitis** & I. Rigakis (2018) Automated detection and monitoring of grain beetles using a “smart” pitfall trap. Abstracts of 12th International Working Conference on Stored Product Protection, October 7th -11th , Berlin, Germany.
- [134] Fanioudakis L., Geismar M., **Potamitis I.**, Mosquito Wingbeat Analysis and Classification Using Deep Learning, Rome, Italy, 26th European Signal Processing Conference (EUSIPCO 2018), 3-7 September 2018.
- [135] S. Ntalampiras and **I. Potamitis**, “Classification of Sounds Indicative of Respiratory Diseases”, 20th International Conference on Engineering Applications of Neural Networks (EANN-2019), Crete, Greece, 24-26 May 2019.
- [136] **I. Potamitis**, I. Rigakis , and N-A Tatlas, On Fresnel-based single and Multi Spectral Sensors for insects' Wingbeat Recording, 22-27 June, Transducers 2019 and EUROSENSORS XXXIII, Berlin, Germany, 2019.
- [137] **I. Potamitis**, I. Rigakis, N.A. Tatlas , and S. Kouzoupis, A novel electronic gate that identifies and counts bees based on their RGB backscattered light, 23rd International Conference on Circuits, Systems, Communications and Computers (CSCC 2019), Marathon Beach, Athens, July 14-17, 2019.
- [138] I. Kalfas, B. De Ketelaere, **I. Potamitis**, W. Saeys, Insect Monitoring Based on Wingbeat Signals Using Deep Learning, ENBIS-19, 2-4 September, Budapest, 2019.
- [139] S. Evans , J.M. Encarnacao , N. Simon-Delso , C. Marsboom , **I. Potamitis**, The Internet of Bees, 46th Apimondia International Apicultural Congress MONTRÉAL, QUÉBEC – Canada, 8-12 September, 2019.
- [140] Eliopoulos, P.A., **I. Potamitis**, Use of vibratory signals for the detection and monitoring of stored product pests, XXVI International Congress of Entomology, in Helsinki, Finland (ICE 2020).
- [141] I. Potamitis, Photonic e-traps for Lepidoptera, XXVI International Congress of Entomology, in Helsinki, Finland, July 2022.

ΕΤΑΙΡΟΑΝΑΦΟΡΕΣ GOOGLE SCHOLAR (ΑΝΑΦΟΡΕΣ ΤΡΙΤΩΝ - CITATIONS)

<https://scholar.google.com/citations?user=gWZ4dTUAAAAJ&hl=en>

ΕΝΔΕΙΚΤΙΚΟ ΔΙΟΙΚΗΤΙΚΟ ΈΡΓΟ (01/10/2005-)

Πρόεδρος Τμήματος Μουσικής Τεχνολογίας & Ακουστικής, Ελληνικό Μεσογειακό Πανεπιστήμιο 2019-2021.

- Σύμφωνα με την υπ' αριθ. 1833/Φ20/12-7-2007 απόφαση Προέδρου ΤΕΙ Κρήτης, Υπεύθυνος Τομέας Επεξεργασίας Μουσικοακουστικού σήματος, Παράρτημα Ρεθύμνου ΤΕΙ Κρήτης από 1-9-2007 ως 31-8-2008
- Σύμφωνα με την υπ' αριθ. 2640/Φ20/19-8-2008 απόφαση Προέδρου ΤΕΙ Κρήτης, Υπεύθυνος Τομέας Επεξεργασίας Μουσικοακουστικού σήματος, Παράρτημα Ρεθύμνου ΤΕΙ Κρήτης από 1-9-2008 ως 31-8-2009
- Σύμφωνα με την υπ' αριθ. 1087/25-9-2008 πράξη συμβουλίου ΤΕΙ Κρήτης, Αναπληρωτής Προϊστάμενος, Παράρτημα Ρεθύμνου ΤΕΙ Κρήτης από 1-9-2008 ως 31-8-2009
- Σύμφωνα με την υπ' αριθ. 1422/Φ20/15-9-2010 απόφαση Προέδρου ΤΕΙ Κρήτης, Υπεύθυνος Τομέας Επεξεργασίας Μουσικοακουστικού σήματος, Παράρτημα Ρεθύμνου ΤΕΙ Κρήτης από 1-9-2010 ως 31-8-2011
- Σύμφωνα με την υπ' αριθ. 34/30-4-2007 απόφαση Γενικής Συνέλευσης του Τμήματος, ορίστηκε μέλος της Ομάδας Εσωτερικής Αξιολόγησης του Τμήματος.
- Σύμφωνα με την υπ' αριθ. 1190/27-1-2011 απόφαση Συμβουλίου του ΤΕΙ Κρήτης, ορίστηκε μέλος τριμελούς επιτροπής αναμόρφωσης του προγράμματος σπουδών του Τμήματος. Ενεργό συμμετοχή στην τρέχουσα αναμόρφωση του Προγράμματος Σπουδών του τμήματος καθώς ανάλαβε την Αναμόρφωση όλων των μαθημάτων που αφορούν σε αντικείμενα του Τομέα Επεξεργασίας Μουσικοακουστικού σήματος. Στα πλαίσια αυτής της προσπάθειας έχει συναντηθεί επανειλημμένως με τους διδάσκοντες των μαθημάτων καθώς και με τους φοιτητές του τμήματος.
- Σύμφωνα με την υπ' αριθ. 44/27-5-2008 απόφαση Γενικής Συνέλευσης του Τμήματος, ορίστηκε μέλος επιτροπής με έργο την καταμέτρηση των ερωτηματολογίων που συμπληρώθηκαν από τους φοιτητές ανά μάθημα και την καταχώρηση των βαθμολογιών, στα πλαίσια της Εσωτερικής Αξιολόγησης του Τμήματος. Ήταν συνυπεύθυνος για την συγγραφή της έκθεσης αξιολόγησης
- Σύμφωνα με την υπ' αριθ. 40/12-10-2010 απόφαση Συμβουλίου του Τμήματος, ορίστηκε μέλος τριμελούς επιτροπής για το πρόγραμμα «Πρακτική άσκηση φοιτητών ΤΕΙ Κρήτης» του ΕΠΕΔΒΜ, για το Τμήμα.

ΞΕΝΕΣ ΓΛΩΣΣΕΣ

Αγγλικά (Cambridge Certificate of Proficiency in English)
 Γαλλικά (Certificat de Langue Française)
 Ρώσικα (beginners – intermediate, Институт русского языка имени А.С.Пушкина)

Διάφορα:

- 1ο βραβείο σε διεθνή διαγωνισμό, Classifying insects from their wing-beat: Rank 1 <http://www.cs.ucr.edu/~eamonn/CE/contest.htm>
- KAGGLE Ranking: Master, 98 worldwide (best placement), <https://www.kaggle.com/potamitis>, Achievements: NIPS 2013 Bird Classification Challenge: Rank 3
- Υποτροφία Μεταδιδακτορικής Έρευνας από το Ίδρυμα Κρατικών Υποτροφιών (IKY) για το έτος 2003-2004.
- Υπότροφος Θερινού Σχολείου «NATO advanced study institute: NATO Summer School ASI 2002 Dynamics of Speech Production and Perception», Il Cioco, Italy, 2002.
- Υπότροφος Θερινού Σχολείου «ELSNET European Summer School on Language and Speech Communication», Prague, Czech Republic, 2001.
- Υπότροφος Θερινού Σχολείου «ELSNET European Summer School on Language and Speech Communication: Text and Speech Triggered Information Access», Xios, Greece, 2000.
- Υποτροφία επίδοσης από το Ίδρυμα Κρατικών Υποτροφιών (IKY) κατά την εισαγωγή στην σχολή καθώς επίσης για την επίδοση κατά το τρίτο και τέταρτο έτος της σχολής.
- 25/11/96 – 25/5/98 Εκπλήρωση Στρατιωτικής Θητείας. Εκπαιδευτής στην ΣΕΤΤΗΛ (Σχολή Εκπαιδύσεως Τεχνικών Τηλεπικοινωνίας). Υπηρεσία στις Τηλεπικοινωνίες του Στρατού Ξηράς ως Τεχνικός Ενσυρμάτων Μέσων του Όπλου των Διαβιβάσεων.

Κριτής (reviewer) στα παρακάτω περιοδικά:

IEEE Transactions on Speech & Audio Processing

IEEE Transactions on Signal Processing

IEEE Transactions on Pattern Analysis & Machine Intelligence

IEEE Transactions on Systems Man and Cybernetics

IEEE Signal Processing Letters

Journal of the Acoustical Society of America

PLOS ONE