

## ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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### ΠΡΟΣΩΠΙΚΑ ΣΤΟΙΧΕΙΑ

Επώνυμο:	<b>Ποταμίτης</b>
Όνομα:	<b>Ηλίας</b>
Όνομα πατρός:	Γεράσιμος
Όνομα μητρός:	Ευαγγελία
Οικογεν.κατάσταση	Παντρεμένος (1 παιδί)
Τόπος γέννησης:	Πάτρα
Διεύθυνση εργασίας:	Ε. Δασκαλάκη - Περιβόλια Ρέθυμνο, 74100 Κρήτη
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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<sup>ος</sup>/148 πανελλαδικά. Αποφοίτηση μετά από 5ετή φοίτηση με σειρά επιτυχίας 2<sup>ος</sup> 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 Ι (θεωρία και άσκηση)
  - Μαθηματικά ΙΙ (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.** 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>
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- [3] Ntalampiras, S.; **Potamitis, I.** Transfer Learning for Improved Audio-Based Human Activity Recognition. *Biosensors MDPI* 2018, 8, 60.
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#### ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΒΙΒΛΙΑ ΣΥΛΛΟΓΙΚΩΝ ΕΚΔΟΣΕΩΝ

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## ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΡΑΚΤΙΚΑ ΣΥΝΕΔΡΙΩΝ ΜΕ ΚΡΙΣΗ

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*International Conference on Spoken Language Processing*, pp. 2126-2129, Pittsburg PA, USA, September 17-21, 2006.

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## ΕΤΑΙΡΟΑΝΑΦΟΡΕΣ GOOGLE SCHOLAR (ΑΝΑΦΟΡΕΣ ΤΡΙΤΩΝ - CITATIONS)

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### ΕΝΔΕΙΚΤΙΚΟ ΔΙΟΙΚΗΤΙΚΟ ΈΡΓΟ (01/10/2005-)

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- 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

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## 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 Εκπαίδευσης 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

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