

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

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Καθηγήτρια

του Τμήματος Μηχανικών Πληροφορικής και Υπολογιστών

του Πανεπιστημίου Δυτικής Αττικής

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Προσωπικά Στοιχεία

Ημερομηνία Γέννησης : 1^η Μαρτίου 1963

Οικογενειακή Κατάσταση : Έγγαμος, δύο παιδιά

Διεύθυνση Εργασίας:

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Εκπαίδευση

Σεπ. 1980 - Σεπ. 1984 Πτυχίο Μαθηματικών, Τμήμα Μαθηματικών, Πανεπιστήμιο Πατρών.

Δεκ. 1987 - Μάι. 1991 Διδακτορικό Δίπλωμα στην Επιστήμη των Υπολογιστών, Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών και Πληροφορικής, Πανεπιστήμιο Πατρών.

Τίτλος Διατριβής: “Τεχνικές Σχεδιασμού Παράλληλων Αλγορίθμων και η Εφαρμογή τους σε Προβλήματα Γράφων”.

Υποτροφίες Σπουδών και Έρευνας

- Υποτροφία από το Ίδρυμα Κρατικών Υποτροφιών (Ι.Κ.Υ.) κατά την διάρκεια των προπτυχιακών σπουδών στο Μαθηματικό Τμήμα του Πανεπιστημίου Πατρών (1981-1984).
- Μεταδιδακτορική Υποτροφία από το Εθνικό Ίδρυμα Ερευνών των Η.Π.Α. (National Science Foundation Grant No. CDA-9211155) για έρευνα στην περιοχή των Παράλληλων Αλγορίθμων (Σεπ. 1992 - Αύγ. 1994).
- Visiting Scholar στο Τμήμα Επιστήμης των Υπολογιστών του Πανεπιστημίου του Σίδνεϊ (Basser Department of Computer Science, The University of Sidney, Australia) (Φεβρ. – Μαρτ. 1996).

Ερευνητικά Ενδιαφέροντα

Παράλληλος και Κατανεμημένος Υπολογισμός, Σχεδιασμός, Ανάλυση και Υλοποίηση Αλγορίθμων, Κινητός και Διάχυτος Υπολογισμός, Ασύρματα Δίκτυα Αισθητήρων, Ad Hoc Κινητά Δίκτυα, Διαδίκτυο των Αντικειμένων, Θέματα Ασφάλειας σε Υπολογιστικά Περιβάλλοντα.

Επαγγελματική Απασχόληση

Μάρτ. 2018 - σήμερα	Καθηγήτρια, Τμήμα Μηχανικών Πληροφορικής και Υπολογιστών, Πανεπιστήμιο Δυτικής Αττικής
Αύγ. 1998 – Μάρτ. 2018	Καθηγήτρια, Τμήμα Μηχανικών Πληροφορικής Τ.Ε., Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας.
Σεπτ. 1995 - Αύγ. 1998	Ερευνήτρια στο Ινστιτούτο Τεχνολογίας Υπολογιστών, Πάτρα.
Αύγ. 1994 - Αύγ. 1995	Επίκουρος Καθηγήτρια (Assistant Professor), Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κεντρικής Φλόριδα (University of Central Florida), Orlando, Florida, Η.Π.Α.
Αύγ. 1992 - Αύγ. 1994	Επίκουρος Καθηγήτρια Έρευνας (Research Assistant Professor), Τμήμα Επιστήμης Υπολογιστών, Dartmouth College, Hanover, New Hampshire, Η.Π.Α.
Οκτ. 1985 – Ιούλ. 1992	Ερευνήτρια στο Ινστιτούτο Τεχνολογίας Υπολογιστών, Πάτρα.

Πρόσθετη Επαγγελματική Δραστηριότητα

- Μέλος της Διοικούσας Επιτροπής του Πανεπιστημίου Δυτικής Αττικής (Μάρτιος 2018-σήμερα)
- Πρόεδρος της Επιτροπής Ερευνών του Πανεπιστημίου Δυτικής Αττικής (Νοέμβριος 2018-σήμερα)
- Διευθύντρια του Προγράμματος Μεταπτυχιακών Σπουδών «Τεχνολογίες Υπολογισμού και Δικτύων (Computing and Network Technologies)», Τμήμα Μηχανικών Πληροφορικής Τ.Ε., Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας <https://msc-cnt.cs.teiath.gr/> (2013 - σήμερα)
- Διευθύντρια του Ερευνητικού Εργαστηρίου «Παράλληλα και Κατανεμημένα Συστήματα και Δίκτυα (Parallel and Distributed Systems and Networks Lab - PDSN Lab)», Τμήμα Μηχανικών Πληροφορικής και Υπολογιστών, Πανεπιστήμιο Δυτικής Αττικής <http://pdsn.uniwa.gr/> (2015 – σήμερα)
- Μέλος της Επιστημονικής Επιτροπής του Προγράμματος Μεταπτυχιακών Σπουδών «Πληροφορική και Επιστήμες της Πληροφορίας και της Επικοινωνίας (Informatique et Science de l' Information et de la Communication – ISIC)» του Τ.Ε.Ι. Αθήνας σε σύμπραξη με το Πανεπιστήμιο της Limoges της Γαλλίας (Μάιος 2007 – Ιαν. 2013).

- Μέλος της Ανεξάρτητης Αρχής Προστασίας Δεδομένων Προσωπικού Χαρακτήρα (Greek Data Protection Authority) (Αύγ. 2011 - Ιαν. 2013)
- Αναπληρωματικό Μέλος της Ανεξάρτητης Αρχής Προστασίας Δεδομένων Προσωπικού Χαρακτήρα (Greek Data Protection Authority) (Φεβρ. 2003 - Αύγ. 2011)
- Πρόεδρος του Τμήματος Μηχανικών Πληροφορικής Τ.Ε., Τεχνολογικό Εκπαιδευτικό Ίδρυμα Αθήνας (Σεπτ. 2003- Αύγ. 2008).
- Μέλος του Εθνικού Συμβουλίου e-Επιχειρείν (Greek National Council for e-Commerce) (2006-2008).
- Διευθύντρια του Τομέα «Τεχνολογίας Υπολογιστικών Συστημάτων και Δικτύων Η/Υ» του Τμήματος Μηχανικών Πληροφορικής Τ.Ε. του Τ.Ε.Ι. Αθήνας (Ακαδημαϊκά Έτη: 2002-2003, 2008-2009, 2010-2011, 2012-2013).

Διδακτική Εμπειρία

Ι. Τμήμα Μηχανικών Πληροφορικής Τ.Ε., Τ.Ε.Ι Αθήνας / Τμήμα Μηχανικών Πληροφορικής και Υπολογιστών, Πανεπιστήμιο Δυτικής Αττικής

Προπτυχιακά Μαθήματα

Ακαδημαϊκό Έτος 1998–1999

Θεωρία Συνόλων και Άλγεβρα Boole
 Λειτουργικά Συστήματα (Εργαστήριο)
 Σεμινάριο – Θέματα Παράλληλων Συστημάτων
 Ειδικά Θέματα Λειτουργικών Συστημάτων (Εργαστήριο)
 Γλώσσα Προγραμματισμού C (Εργαστήριο)

Ακαδημαϊκό Έτος 1999–2000 έως 2017-18

Διακριτά Μαθηματικά
 Παράλληλος Υπολογισμός (Θεωρία και Οργάνωση Εργαστηρίου Παράλληλου Υπολογισμού)
 Τεχνολογία Πολυμέσων (Θεωρία και Οργάνωση Εργαστηρίου Τεχνολογίας Πολυμέσων)

Ακαδημαϊκό Έτος 2009–2010 έως 2017-2018

Κατανεμημένα Συστήματα (Θεωρία και Οργάνωση Εργαστηρίου Κατανεμημένων Συστημάτων)

Ακαδημαϊκό Έτος 2014–2015 έως 2017-2018

Αλγοριθμική

Ακαδημαϊκό Έτος 2018–2019

Διακριτά Μαθηματικά
 Ασύρματα Δίκτυα Αισθητήρων
 Σχεδιασμός και Ανάλυση Αλγορίθμων

Κατανεμημένα Συστήματα

Μεταπτυχιακά Μαθήματα

A. Πρόγραμμα Μεταπτυχιακών Σπουδών «Τεχνολογίες Υπολογισμού και Δικτύων»

Ακαδημαϊκά Έτη 2014 – 2015, 2015-2016, 2016-2017, 2017-2018

Αλγόριθμοι και Προχωρημένες Δεδομένων

Ακαδημαϊκά Έτη 2014 – 2015, 2015-2016, 2016-2017

Παράλληλα και Κατανεμημένα Συστήματα

B. Πρόγραμμα Μεταπτυχιακών Σπουδών «Πληροφορική, Σύνθεση Εικόνων και Σχεδιασμός Γραφικών» του Τ.Ε.Ι. Αθήνας σε σύμπραξη με το Πανεπιστήμιο της Limoges της Γαλλίας

Ακαδημαϊκό Έτος 2007-2008

Παραλληλία I

Παραλληλία II

Πολυπλοκότητα

Διακριτά Μαθηματικά

Ακαδημαϊκά Έτη 2008-2009, 2009-2010

Παραλληλία I

Παραλληλία II

Ακαδημαϊκό Έτος 2011–2012

Αριθμητική Βελτιστοποίηση

Γ. Πρόγραμμα Μεταπτυχιακών Σπουδών «Τεχνολογίες Υπολογισμού και Δικτύων»

Ακαδημαϊκό Έτος 2018-2019

Παράλληλα και Κατανεμημένα Συστήματα

Δίκτυα Αισθητήρων και Διαδίκτυο των Αντικειμένων

II. Τμήμα Επιστήμης Υπολογιστών, Πανεπιστήμιο Κεντρικής Φλόριδα (University of Central Florida), Orlando, Florida, USA

Ακαδημαϊκό Έτος 1994–1995

Συστήματα Πολυμέσων (COT 6938 - Μεταπτυχιακό Μάθημα)

Αυτόματα και Τυπικές Γλώσσες (COT 5310 - Μεταπτυχιακό Μάθημα)

III. Τμήμα Επιστήμης Υπολογιστών, Dartmouth College, Hanover, New Hampshire, USA

Ακαδημαϊκό Έτος 1992–1993

Γραφικά Υπολογιστών (CS 43)

Θεωρία Υπολογισμού (CS 109 - Μεταπτυχιακό Μάθημα)

Ακαδημαϊκό Έτος 1993–1994

Αυτόματα και Τυπικές Γλώσσες (CS 49)

Πληροφοριακά Συστήματα

IV. Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών και Πληροφορικής, Πανεπιστήμιο Πατρών.

Ακαδημαϊκό Έτος 1991–1992

Αυτόματα και Τυπικές Γλώσσες

Θεωρία Υπολογισμού

V. Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών και Πληροφορικής, Πανεπιστήμιο Πατρών (υποβοήθηση διδακτικού έργου).

1985-1986

Βάσεις Δεδομένων I

Γλώσσα Προγραμματισμού C

1986-1987

Βάσεις Δεδομένων I

Δομές Δεδομένων

Γλώσσα Προγραμματισμού C

Βάσεις Δεδομένων II

1987-1988

Γλώσσα Προγραμματισμού PASCAL

Γλώσσα Προγραμματισμού C

Θεωρία Υπολογισμού

1988-89, 1989-90, 1990-91

Αυτόματα και Τυπικές Γλώσσες

Θεωρία Υπολογισμού

Επίβλεψη Διατριβών

1. Μέλος της Επταμελούς Επιτροπής της Διδακτορικής Διατριβής του Α. Μπιτζιόπουλου με Θέμα «Βελτιστοποίηση κατανεμημένης συλλογής δεδομένων και αντιμετώπισης παρεμβολών σε ασύρματα δίκτυα αισθητήρων», Τμήμα Πολιτισμικής Τεχνολογίας και Επικοινωνίας, Πανεπιστήμιο Αιγαίου, απονεμήθηκε Διδακτορικό Δίπλωμα στις 14.12.2009 (Επιβλέπων: Επίκ. Καθ. Δ. Γαβαλάς).

2. Μέλος της Τριμελούς Επιτροπής της Μεταπτυχιακής Διατριβής του Κ. Μάστακα με θέμα «Ευρετικοί Αλγόριθμοι για το Πρόβλημα του Σχεδιασμού Τουριστικών Διαδρομών», Διαπανεπιστημιακό (ΕΚΠΑ και ΕΜΠ) Πρόγραμμα Μεταπτυχιακών Σπουδών «Λογική και Θεωρία Αλγορίθμων και Υπολογισμού (ΜΠΛΑ), 2014, (Επιβλέπων: Καθ. Α. Συμβώνης).
3. Μέλος της Τριμελούς Επιτροπής Επίβλεψης της Διδακτορικής Διατριβής της Α. Βενέτη με θέμα «Αλγόριθμοι Βελτιστοποίησης Διαδρομών σε Δίκτυα Μεταφορών», Τμήμα Πληροφορικής, Πανεπιστήμιο Πειραιά, 2014 (Επιβλέπων: Αν. Καθ. Χ. Κωνσταντόπουλος).
4. Μέλος της Τριμελούς Επιτροπής Επίβλεψης της Διδακτορικής Διατριβής του Ν. Βάθη, Τμήμα Ηλεκτρολόγων Μηχανικών, Εθνικό Μετσόβειο Πολυτεχνείο, 2017 (Επιβλέπων: Αν. Καθ. Δ. Φωτάκης).
5. Μέλος της Τριμελούς Επιτροπής Επίβλεψης της Διδακτορικής Διατριβής του Δ. Κυπριάδη με θέμα «Αλγοριθμικές Τεχνικές για Διαχείριση Συστημάτων Διαμοιρασμού Οχημάτων και Δρομολόγηση Ηλεκτρικών Οχημάτων με Περιορισμούς Επαναφόρτισης», Τμήμα Πληροφορικής, Πανεπιστήμιο Πειραιά, 2016 (Επιβλέπων: Αν. Καθ. Χ. Κωνσταντόπουλος).
6. Επιβλέπουσα της Διδακτορικής Διατριβής του Α. Βαζάκα με θέμα «Αλγοριθμικές Τεχνικές Διαχείρισης Πόρων στο Διαδίκτυο των Αντικειμένων», Τμήμα Μηχανικών Πληροφορικής και Υπολογιστών, Πανεπιστήμιο Δυτικής Αττικής, 2018.

Συμμετοχή σε Ερευνητικά και Αναπτυξιακά Προγράμματα

1. COOPERATION PROGRAMME: (Interreg V-A) EL-IT - Greece-Italy, Project “Investment”, 1/6/2018-31/5/2020, Key Researcher..
2. European Community, HORIZON 2020/RIA/ICT, Project “Enhanced Buying Experiences in Smart Cities (SMARTBUY), 1/1/2017-30/6/2018”, Key Researcher.
3. ΕΠΑΝΕΚ 2014-2020, Ερευνώ-Καινοτομώ Δημιουργώ, Project: TouristHub «Συνάθροιση και Παροχή Ολοκληρωμένων Τουριστικών και Ταξιδιωτικών Υπηρεσιών», 2018-2021.
4. ΕΠΑΝΕΚ 2014-2020, Ερευνώ-Καινοτομώ Δημιουργώ, Project SocialPark “Ολοκληρωμένη πλατφόρμα «στάθμευσης ως υπηρεσίας» για τη διευκόλυνση εύρεσης θέσεων στάθμευσης βασισμένης σε δεδομένα πληθοπορισμού”, 2018-2020.
5. European Community, Seventh Framework Programme (FP7-ICT), Project: “Renewable Mobility Services in Smart Cities (MOVESMART)”, 1/11/2014-31/10/2016, Key Researcher.
6. European Community, Seventh Framework Programme (CIP-ICT), Project “Holistic Personal public Eco-mobility (HoPE)”, 1/6/2015 – 28/2/2017, Key Researcher.
7. European Community and Greek Government Project Archimedes III: “Τεχνικές επικοινωνίας και επεξεργασίας δεδομένων σε ασύρματα δίκτυα αισθητήρων και ασύρματα δίκτυα αισθητήρων/ενεργοποιητών - Data Communication and Processing

- in Wireless Sensor and Sensor/Actuator Networks (PROSENS)*”, 1/3/2012 – 30/11/2014, Επιστημονικός Υπεύθυνος.
8. European Community and Greek Government Project SYNERGASIA: “*Analysis of Marine Information for Environmentally Safe Shipping (AMINESS)*”, 1/7/2013-30/6/2015, Key Researcher.
 9. European Community, Seventh Framework Programme (FP7-ICT), Project: “*eCO-friendly urban Multi-modal route Planning Services for Mobile users (eCOMPASS)*”, 1/11/2012-31/12/2014, Key Researcher.
 10. European Community and Greek Government Project Archimedes III: «*Καταναεμημένα Συστήματα Ευρείας Κλίμακας – Ανάπτυξη Προηγμένων Πρωτοκόλλων και Εφαρμογές των Διομήτιμων Συστημάτων*», 2012-2015 Key Researcher.
 11. European Community and Greek Government Project Thalix: “*From Graph Theory to Matroids: Algorithmic Issues and Applications*”, 2012-2015, Researcher
 12. Greek Government, General Secretariat for Research and Technology (GSRT), Project POLYTIMO, 4/7/2006-2/1/2008, Key Researcher.
 13. European Community and Greek Government Project Archimedes: Parallel Based on Content Information Retrieval (PACOCLIR), 1/7/2004-31/5/2006, Key Researcher.
 14. ΕΠΕΑΕΚ II «*Ενίσχυση Σπουδών Πληροφορικής στο Τ.Ε.Ι. Αθήνας*», 1/1/2003 – 31/8/2008, Επιστημονικός Υπεύθυνος.
 15. ΕΠΕΑΕΚ «*Αρχιμήδης, Πρωτόκολλα Επικοινωνίας: Σχεδιασμός, Ανάλυση και Εφαρμογές σε Περιβάλλοντα Κινητού, Παράλληλου και Καταναεμημένου Υπολογισμού. “Communication Protocols: Design, Analysis and Application in Parallel, Distributed and Mobile Environments (PROTEAS)”*», 1/2/2004-31/8/2006, Επιστημονικός Υπεύθυνος.
 16. ΕΠΕΑΕΚ «*Σχολικές Βιβλιοθήκες – ΠΝΥΚΑ*», Μέλος Επιστημονικής Επιτροπής (Ιαν. 1999 – Ιούν. 2001).
 17. ESPRIT II Basic Research Program of the European Community under contract No. 20244, Project ALCOM-IT (ALgorithms and COMplexity in Information Technology). Αναπληρωτής Επιστημονικός Υπεύθυνος του έργου με αρμοδιότητες την τεχνική επίβλεψη και παρακολούθηση, και την οικονομική διαχείριση του έργου. (Ιαν. 1996 – Ιαν. 1998)
 18. “*Σύμβουλος Τεχνικής Στήριξης για το Πληροφοριακό Σύστημα και την Δικτυακή Υποδομή της Βουλής των Ελλήνων*”. Αναπληρωτής Επιστημονικός Υπεύθυνος του έργου με αρμοδιότητες την τεχνική επίβλεψη και παρακολούθηση, και την οικονομική διαχείριση του έργου. (Αύγ. 1996 – Ιαν. 1998)
 19. ESPRIT II Basic Research Program of the European Community under contract No. 9072, Project GEPPCOM (foundations of General Purpose Parallel COMputing). Αναπληρωτής Επιστημονικός Υπεύθυνος του έργου με αρμοδιότητες την τεχνική επίβλεψη και παρακολούθηση, και την οικονομική διαχείριση του έργου. (Σεπτ. 1995 - Απρ. 1997).
 20. “*Ολοκληρωμένο Δίκτυο Σχολικής Εκπαιδευτικής Αναγέννησης σε Αχαΐα, Θράκη, και Αιγαίο*”. (Δεκ. 1996).

21. New England Consortium for Undergraduate Science Education (NECUSE) Grant. *A Multimedia CD to attract Women and Minorities in Computer Science*. Επιστημονικός Συνυπεύθυνος του έργου. (Σεπτ. 1993 - Σεπτ. 1994)
22. National Science Foundation (NSF) Grant. *Issues and Obstacles in the Implementation of Parallel Algorithms and the use of Parallel Machines: a School on Parallel Programming*. (1993)
23. ESPRIT II Basic Research Action Program of the European Community under contract No. 7141, Project ALCOM (ALgorithms and COMplexity) II. (1992-1994)
24. ESPRIT II Basic Research Program of the European Community under contract No. 3045, Project ALCOM (ALgorithms and COMplexity) I. (1989-1992)
25. STRIDE/HELIOS Research and Development Project TEXTILE. (1991-1992)
26. ESPRIT I Research and Development Program of the European Community contract No. 125, Project GRASPIN (personal workstation for incremental GRAPHical Specification and formal Implementation of Nonsequential systems). (1985-1987).

Editor Περιοδικών και Πρακτικών Συνεδρίων

1. Associate Editor of the *Security and Communication Networks Journal* (Wiley)
2. Guest Editor with Ch. Konstantopoulos, *Algorithms Journal, MDPI*, Special Issue on “Modelling Computing and Data Handling for Marine Transportation”, 2018. https://www.mdpi.com/journal/algorithms/special_issues/Modeling_Computing
3. Editor with C. Zaroliagis and S. Kontogiannis, “Algorithms, Probability, Networks, and Games”, Lecture Notes in Computer Science Vol. 9295, ISBN 978-3-319-24023-7, Springer 2015.
4. Guest Editor with I. Maglogiannis, M. Betke and F. Makedon, *Personal and Ubiquitous Computing Journal*, Special Issue on “Assistive Environments for the Disabled and the Senior Citizens”, Springer, 18(1), pp. 1-3, 2014.
5. Guest Editor with I. Maglogiannis, F. Makedon and M. Betke, *Universal Access in the Information Society Journal (UAIS)*, Special Issue on “Pervasive technologies and assistive environments: cognitive systems for assistive environments”, Springer, 13(1), 2014.
6. Guest Editor with I. Maglogiannis, F. Makedon, and L. Baillie, *Personal and Ubiquitous Computing Journal*, Springer, Special Issue on “Pervasive technologies for assistive environments”, Volume 14, Number 6, 2010, <http://www.springerlink.com/content/vu387728p682n414/>
7. Guest Editor with I. Maglogiannis, F. Makedon, and L. Baillie, *Universal Access in the Information Society Journal (UAIS)*, Springer), Special Issue on “Pervasive Technologies and Assistive Environments: Social Impact, Financial, Government and Privacy Issues”, 10(2) 2011. <http://www.springerlink.com/content/9r22595g4j43n03p/>

8. Guest Editor with F. Makedon and P. Belsis, *Security and Communication Networks Journal (Wiley)*, Special Issue on "Privacy and Security in Pervasive e-Health and Assistive Environments", 2011.
9. Guest Editor with D. Gavalas and Ch. Konstantopoulos, *Computer Journal (Oxford University Press)*, Special Issue on "Mobility on Wireless Sensor Networks", 2011.
10. Guest Editor with D. Gavalas and Ch. Konstantopoulos, *Electronic Journal for E-Commerce Tools & Applications (eJETA)*, Special Issue on "Electronic Commerce in Pervasive Environments", 2009.
11. Editor of the *Journal of Universal Computer Science (JUICS)*.
12. Editor of the *electronic Journal on E-Commerce Tools and Applications (eJETA)*.
13. Editor of the *Proceedings of the DAGS'93 Annual Symposium on "Issues and Obstacles in the Practical Implementation of Parallel Algorithms and the Use of Parallel Machines"*.
14. Editor of the *Proceedings of the DAGS'93 School on Parallel Programming*.

Κριτής σε Διεθνή Περιοδικά και Συνέδρια

Discrete Applied Mathematics, Algorithmica, European Journal of Operational Research (EJOR), Parallel Processing Letters (PPL), Journal on Distributed and Parallel Computing (JDPC), Acta Informatica, Theoretical Computer Science (TCS), Information Processing Letters (IPL), IEEE IoT, Security and Communication Networks Journal (Wiley), Journal of Universal Computer Science (JUICS), electronic Journal on E-Commerce Tools and Applications (eJETA), IEEE International Conference on Communications (ICC), Conference on Foundations of Software Technology and Theoretical Computer Science (FST&TCS), International Colloquium on Automata Languages and Programming (ICALP), European Symposium on Algorithms (ESA), Graph-Theoretic Concepts in Computer Science (WG,) IEEE Wireless Communications and Networking Conference (WCNC), ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC), IEEE Symposium on Computers and Communications (ISCC).

Μέλος Επιτροπής Συνεδρίων (Program Committee Member)

- DAGS'93, *Second Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Issues and Obstacles in the Implementation of Parallel Algorithms and the use of Parallel Machines", June 21-23, 1993, Hanover, NH.
- DAGS'95, *Fourth Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Electronic Publishing and the Information Superhighway", May 30-June 2, 1995, Boston, MA.

- RALCOM'97, *Workshop on Randomized Algorithms in Sequential, Parallel, and Distributed Computing*, October 6-11, 1997, Santorini, Greece.
- ESA'98, *European Symposium on Algorithms*, August 24-26, 1998, Venice, Italy.
- Panhellenic Conference on Informatics (PCI 2005)
- Panhellenic Conference on Informatics (PCI 2007)
- Panhellenic Conference on Informatics (PCI 2008)
- PErvasive Technologies Related to Assistive Environments (PETRA 2008)
- PErvasive Technologies Related to Assistive Environments (PETRA 2009)
- PErvasive Technologies Related to Assistive Environments (PETRA 2010)
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPAEE 2009), Workshop Chair.
- 1st International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2010). MobiSensor'2010 was held in conjunction with the 6th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '10), Workshop co-Chair.
- IADIS Wireless Applications and Computing 2010, <http://www.wac-conf.org/2010/committees.asp>
- PErvasive Technologies Related to Assistive Environments (PETRA 2011), co-Chair.
- 2nd International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011). MobiSensor'2011 was held in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Workshop co-Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPAEE 2011), Workshop Chair.
- PErvasive Technologies Related to Assistive Environments (PETRA 2012)
- IADIS Theory and Practice in Modern Computing Conference 2012, <http://www.tpmc-conf.org/committees.asp>
- The 10th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC) 2012, <http://www.mobiwac.org/committees.html>.
- ACM/IEEE/IFAC/TRB International Conference on Connected Vehicles and Expo 2012.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2013) (Networks Track) Shanghai, China, 2013
- PErvasive Technologies Related to Assistive Environments (PETRA 2013), Rhodes Island, Greece, 2013.
- IADIS Theory and Practice in Modern Computing Conference 2013, Prague, Czech Republic, 2013.

- The 10th International Conference on Wireless Information networks and Systems (WINSYS 2013), Reykjavik, Iceland, July 2013.
- The 11th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC) 2013, Barcelona Spain, November 2013.
- The 2nd IEEE/SAE/ACM/IFAC International Conference on Connected Vehicles & Expo (ICCVE 2013), Las Vegas, Nevada, USA, December 2-6, 2013.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2014) (Networks Track) Istanbul, Turkey, April 2014.
- PErvasive Technologies Related to Assistive Environments (PETRA 2014), Rhodes Island, Greece, 2014.
- The 11th International Conference on Wireless Information Networks and Systems (WINSYS 2014), Vienna, Austria, 28-30, August 2014.
- The 12th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2014), Montreal, Canada, September 21-26, 2014.
- The 9th International Conference on Internet and Web Applications and Services (ICIW) 2014, July 20 - 24, 2014, Paris, France.
- The 3rd IEEE/SAE/ACM/IFAC International Conference on Connected Vehicles & Expo (ICCVE 2014), Vienna, Austria, November 3-7, 2014.
- The 3rd International Conference on Theory and Practice in Modern Computing (TPMC 2014), Lisbon, Portugal, July 15-17, 2014.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2015) (Networks Track) , New Orleans, USA, March 2015.
- The 12th International Conference on Wireless Information Networks and Systems (WINSYS 2015), Colmar, Alsace, France, 20-22 July 2015.
- International Symposium on Intelligent Systems Technologies and Applications (ISTA'15), August 10-13, 2015, Kochi, India.
- The 4th International Conference on Theory and Practice in Modern Computing (TPMC 2015), Las Palmas de Gran Canaria, Spain, July 2015.
- The 4th IEEE International Conference on Connected Vehicles & Expo (ICCVE 2015), Shenzhen, China, October 19-23, 2015.
- The 13th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2015), Cancun, Mexico, November 2-6, 2015.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2016) (Networks Track), Doha, Qatar, April 3-6, 2016.
- The 11th International Conference on Internet and Web Applications and Services (ICIW) 2016, May 22 - 26, 2016, Valencia, Spain.
- The 13th International Conference on Wireless Information Networks and Systems (WINSYS 2016), Lisbon, Portugal, July 26-28, 2016

- The 5th International Conference on Theory and Practice in Modern Computing (TPMC 2016), Madeira, Portugal, 2-4 July 2016.
- The 5th IEEE International Conference on Connected Vehicles & Expo (ICCVE 2016), Seattle, WA, USA, September 12-16, 2016.
- The 2th International Symposium on Intelligent Systems, Technologies and Applications (ISTA 2016), Jaipur, India, 21-24 September, 2016.
- The 14th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2016), Malta, November 13-17, 2016.
- Panhellenic Conference on Informatics (PCI 2016), Patras, Greece 2016.
- IEEE Wireless Communications and Networking Conference (IEEE WCNC 2017)
- The 14th International Conference on Wireless Information Networks and Systems (WINSYS 2017), Madrid, Spain, July 26-28, 2017.
- The 21st Pan-Hellenic Conference on Informatics (PCI 2017) with International Participation, September 28-30, Larisa, Greece, 2017.
- The 22nd IEEE Symposium on Computers and Communications (ISCC 2017), Heraklion, Crete, Greece, July 3-6, 2017.
- ACM womENCourage 2017, The ACM Celebration of Women in Computing, September 6-8, 2017, Barcelona Spain.
- The 15th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2017), Miami, FL, USA, November 21-25, 2017.
- The 4th International Symposium on Intelligent Systems Technologies and Applications (ISTA'18), September 19-22, 2018, Bangalore, India.
- The 15th International Conference on Wireless Information Networks and Systems (WINSYS 2018), Portugal, 2018.
- The 16th ACM International Symposium on Mobility Management and Wireless Access (MOBIWAC 2018), Montreal, Canada, October 28-November 2, 2018.
- The 22nd Pan-Hellenic Conference on Informatics (PCI 2018) with International Participation, November 29 –December 1, Athens, Greece, 2018.
- The 26th International Conference on Telecommunications, April 8-10, 2019.
- IEEE MENACOMM 2019, 19-21 November, Bahrain, 2019.
- The 19th Symposium on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems (ATMOS 2019), September 9-13, Munich, Germany, 2019.

Οργάνωση Συνεδρίων και Workshops (Conference/Workshop Chair, Organizing Committee Chair)

- 1st Summit on Gender Equality in Computing, Poster Session: Research and Profession in Computing, 07 June, 2019, Athens, Poster Session Chair <https://gec19.athenarc.gr/>.
- 2nd International Workshop on Intelligent and Sustainable Urban Transportation (ISUT 2018) in association with the 23th IEEE Symposium on Computers and Communications (ISCC 2018), June 2018, Natal, Brazil, Workshop co-Chair.

- 1st International Workshop on Intelligent and Sustainable Urban Transportation (ISUT 2017) in association with the 22th IEEE Symposium on Computers and Communications (ISCC 2017), July 2017, Workshop co-Chair.
- 3rd Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2016) in association with the 8th International Conference on Information, Intelligence, Systems and Applications (IISA 2017) August 2017, Workshop co-Chair <http://iisa2017.unipi.gr/mcdmt/>
- 28th European Conference on Operational Research (EURO 2016), Session Organizer (Sustainable Multimodal Urban Mobility – Stream: Public Transportation), July 2016.
- 2nd Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2016) in association with the 7th International Conference on Information, Intelligence, Systems and Applications (IISA 2016) July 2016, Workshop co-Chair <http://iisa2016.unipi.gr/mcdmt/>.
- 1st Workshop on Modeling, Computing and Data Handling for Marine Transportation (MCDMT 2015) in association with the 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015), July 2015, Workshop co-Chair.
- 26th European Conference on Operational Research (EURO 2013), Session Organizer (Stream Public Transportation).
- International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2011). MobiSensor'2011 was held in conjunction with the 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), Workshop co-Chair.
- International Workshop on Mobility in Wireless Sensor Networks (MobiSensor'2010). MobiSensor'2010 was held in conjunction with the 6th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '10), Workshop co-Chair.
- PErvasive Technologies Related to Assistive Environments (PETRA 2011), Conference co-Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2011), Workshop Chair.
- Workshop on Privacy and Security in Pervasive e-Health and Assistive Environments (PSPA 2009), Workshop Chair.
- PErvasive Technologies Related to Assistive Environments (PETRA 2008), Organizing Committee Chair.
- DAGS'94, *Third Annual Symposium of the Dartmouth Institute for Advanced Graduate Studies in Parallel Computation*, Topic: "Parallel Computing in Problem Solving Environments", July 5-8, 1994, Hanover, NH, Organizing Committee co-Chair.
- DAGS'93 and DAGS'94 Schools on Parallel Programming, Organizing Committee co-Chair .
- RALCOM'97, *School and Workshop on Randomized Algorithms in Sequential, Parallel, and Distributed Computing*, (Organizing Committee co-Chair), October 6-11, 1997.

- DISC'98 (Formerly, WDAG), *International Conference on Distributed Computing*, 1998, Organizing Committee co-Chair.

Πρόσφατες Προσκεκλημένες Ομιλίες σε Συνέδρια

1. “Algorithmic Methods for Deriving Multi-Modal Personalized Tourist Tours”, invited talk presentation in the 26th European Conference on Operational Research (EURO XXVI - <http://euro2013.org/>), Rome, Italy, July 1-4, 2013.
2. “Heuristic Approaches for the Time Dependent Team Orienteering Problem with Time Windows”, invited talk presentation in the eCOMPASS Workshop on Eco Friendly Mobility: Concepts and Algorithms, Zürich, Switzerland, January 22-23, 2014.
3. “An Incentivized Relocation Scheme for Balancing Vehicle Sharing Systems”, invited talk presentation in the MOVESMART Workshop on Renewable Mobility Services in Smart Cities: Challenges, Approaches and Social Aspects, Bilbao, Spain, October 15, 2015.
4. “An Incentivized Relocation Scheme for Balancing Vehicle Sharing Systems”, invited talk presentation in the 28th European Conference on Operational Research, Poznan, Poland, July 3-6, 2016.

Δημοσιευμένο Ερευνητικό / Συγγραφικό Έργο

Βιβλία

1. G. Pantziou, V. Mamalis and A. Tomaras, “Introduction to Parallel Computing: Models, Algorithms and Programming”, New Technologies Publications, 2013 (in Greek).
2. G. Pantziou and A. Tomaras, “Elements of Parallel Computing”, *New Technologies Publications*, 2003 (in Greek).
3. F. Makedon, L. Baillie, G. Pantziou, I. Maglogiannis, (Editors), Proceedings of the 1st *International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2008)*, ACM International Conference Proceedings Series 282, ISBN 978-1-605562, ACM 2008 <http://dl.acm.org/citation.cfm?id=1389586>.
4. M. Betke, I. Maglogiannis, G. Pantziou (Editors), Proceedings of the 4th International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), ACM International Conference Proceedings Series, ISBN: 978-1-4503-0772-7, ACM 2011, <http://dl.acm.org/citation.cfm?id=2141622&picked=prox&CFID=66411180&CFTOKEN=13965837>
5. C. Zaroliagis, G. Pantziou, S. Kontogiannis (Editors), “Algorithms, Probability, Networks, and Games”, Lecture Notes in Computer Science Vol. 9295, ISBN 978-3-319-24023-7, Springer 2015.

6. C. Konstantopoulos, G. Pantziou (Editors), "Modelling, Computing and Data Handling Methodologies for Maritime Transportation", Intelligent Systems Reference Library Book Series, ISRL Vol. 131, ISBN 978-3-319-61800-5, Springer 2017.

Κεφάλαια Βιβλίων

1. B. Mamalis, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Clustering in Wireless Sensor Networks", in "RFID and Sensor Networks: Architectures, Protocols, Security and Integrations", Y. Zhang, L. T. Yang, J. Chen (Eds.), ISBN-10: 1420077775, Chapter 12, pp. 324-353, CRC Press, November 2009.
2. A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Mobile Agent Middleware for Autonomic Data Fusion in Wireless Sensor Networks", in "Autonomic Computing and Networking", M.K. Denko, L.T. Yang and Y. Zhang (Eds.), ISBN: 978-0-387-89827-8, Chapter 3, pp. 57-81, Springer, USA, May 2009.
3. A. Mpitziopoulos, D. Gavalas, C. Konstantopoulos and G. Pantziou, "Jamming in Wireless Sensor Networks", in "Security in RFID and Sensor Networks", Y. Zhang and P. Kitsos (Eds.), ISBN-10: 1420068393, Chapter 18, pp. 375-397, Auerbach Publications (Taylor & Francis Group), April 2009.
4. D. Gavalas, C. Konstantopoulos, B. Mamalis and G. Pantziou, "Mobility Prediction in Mobile Ad Hoc Networks", Book chapter for "Encyclopedia of Next Generation Networks and Ubiquitous Computing", Idea Group Inc. (IDI Global), USA, Ed. Samuel Pierre, pp. 226-240, 2010, ISBN13: 9781605662503, <http://www.igi-global.com/bookstore/TitleDetails.aspx?TitleId=40271&DetailsType=Chapters>
5. I. Chatzigiannakis, D. Fotakis, S. Kontogiannis, O. Michail, S. Nikolettseas, G. Pantziou and C. Zaroliagis, "A Glimpse at Paul G. Spirakis", in "Algorithms, Probability, Networks, and Games", Lecture Notes in Computer Science Vol. 9295, pp. 3-24, ISBN 978-3-319-24023-7, Springer 2015.
6. B. Mamalis and G. Pantziou, "Advances in the Parallelization of the Simplex Method", in "Algorithms, Probability, Networks, and Games", Lecture Notes in Computer Science Vol. 9295, pp. 281-307, ISBN 978-3-319-24023-7, Springer 2015.
7. D. Gavalas, C. Konstantopoulos and G. Pantziou, "Design & Management of Vehicle Sharing Systems: A Survey of Algorithmic Approaches", in "Smart Cities and Homes: Key Enabling Technologies", M.S. Obaidat and P. Nicopolitidis (Eds.), Elsevier Science, 2016.
8. A. Veneti, C. Konstantopoulos and G. Pantziou, "Evolutionary Computation for the Ship Routing Problem", in "Modelling, Computing and Data Handling Methodologies for Maritime Transportation", Chapter 4, pp. 95-115, ISBN 978-3-319-61800-5, Springer 2017.

Περιοδικά (Journals)

- [J1] A. Angelopoulos, D. Gavalas, C. Konstantopoulos, D. Kyriadis and G. Pantziou, "Incentivized Relocation in Vehicle Sharing Systems", *Transportation Research Part C: Emerging Technologies Journal*, Elsevier, Vol. 97, Pages 175-193, 2018.
- [J2] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "Efficient Cluster-based Heuristics for the Team Orienteering Problem with Time Windows", *Asia-Pacific Journal of Operational Research*, Vo. 36, No. 1, 2019.
- [J3] C. Konstantopoulos, N. Vathis, G. Pantziou and D. Gavalas, "Employing Mobile Elements for Delay-Constrained Data Gathering in WSNs", *Computer Networks Journal*, Elsevier, Vol. 135, pp. 108-131, 2018. <https://doi.org/10.1016/j.comnet.2018.02.007>
- [J4] D. Gavalas, I. Venetis, C. Konstantopoulos and G. Pantziou, "Mobile Agent Itinerary Planning for WSN Data Fusion: Considering Multiple Sinks and Heterogeneous Networks", *International Journal of Communication Systems*, Wiley, 30(8), 2017.
- [J5] A. Veneti, A. Makrygiorgos, C. Konstantopoulos, G. Pantziou and I. Vetsikas, "Minimizing the fuel consumption and the risk in maritime transportation: A bi-objective weather routing approach", *Computers and Operations Research Journal*, Elsevier, Vol. 88, pp. 220-236, 2017, <http://www.sciencedirect.com/science/article/pii/S0305054817301934?via%3Dihub>
- [J6] I. Venetis, D. Gavalas, G. Pantziou and C. Konstantopoulos, "Mobile Agents-Based Data Aggregation in WSNs: Benchmarking Itinerary Planning Approaches", *Wireless Networks Journal*, Springer, 2017, DOI:10.1007/s11276-017-1460-y
- [J7] D. Gavalas, V. Kasapakis, C. Konstantopoulos, G. Pantziou, and N. Vathis, "Scenic Route Planning for Tourists", *Personal and Ubiquitous Computing Journal*, Springer, 21(1), pp. 137-155, 2017.
- [J8] C. Konstantopoulos, G. Pantziou, I. Venetis and D. Gavalas, "Efficient Event Handling in Wireless Sensor and Actor Networks: An On-line Computation Approach", *Journal of Network and Computer Applications*, Elsevier, Vol. 75, pp. 181-199, November 2016.
- [J9] D. Gavalas, C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, "Efficient Metaheuristics for the Mixed Team Orienteering Problem with Time Windows", *Algorithms Journal*, MDPI, 9(1):6, 2016. <http://www.mdpi.com/1999-4893/9/1/6/html>
- [J10] D. Gavalas, I. Venetis, C. Konstantopoulos, G. Pantziou, "Energy-efficient multiple itinerary planning for mobile agents-based data aggregation in WSNs", *Telecommunication Systems Journal*, Springer, pp. 1-15, February 2016.
- [J11] D. Gavalas, V. Kasapakis, C. Konstantopoulos, G. Pantziou, N. Vathis, C. Zaroliagis, "The eCOMPASS Multimodal Tourist Tour Planner", *Expert Systems With Applications Journal*, Elsevier Science, 42(21), pp. 7303-7316, November 2015.

- [J12] A. Dasios, D. Gavalas, G. Pantziou, and C. Konstantopoulos, "Hands-on Experiences in Deploying Cost-Effective Ambient-Assisted Living Systems", *Sensors Journal*, MDPI, 15(6), pp. 14487-14512, 2015. <http://www.mdpi.com/1424-8220/15/6/14487>
- [J13] D. Gavalas C. Konstantopoulos, K. Mastakas, G. Pantziou, and N. Vathis, "Approximation Algorithms for the Arc Orienteering Problem", *Information Processing Letters Journal, Elsevier*, 115(2): 313-315, 2015.
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- [J16] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "A Survey on Algorithmic Approaches for Solving Tourist Trip Design Problems", *Journal of Heuristics, Springer*, 20(3), 291-328, 2014, <http://www.springer.com/alert/urltracking.do?id=L4715d25Meade66Sa8ff044>
- [J17] D. Gavalas, C. Konstantopoulos, K. Mastakas and G. Pantziou, "Mobile Recommender Systems in Tourism", *Journal of Networks and Computer Applications, Elsevier Science*, 39, pp. 319-333, March 2014. <http://www.sciencedirect.com/science/article/pii/S1084804513001094>
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- [J19] I. Maglogiannis, M. Betke, G. Pantziou and F. Makedon "Assistive environments for the disabled and the senior citizens: theme issue of PETRA 2010 and 2011 conferences", Editorial, *Personal and Ubiquitous Computing, Springer*, 18(1), pp. 1-3, 2014.
- [J20] P. Belsis and G. Pantziou, "A k -Anonymity Privacy preserving approach in Wireless Medical Monitoring Environments", *Personal and Ubiquitous Computing*, 18(1), pp.61-74, Springer, 2014. <http://link.springer.com/content/pdf/10.1007%2Fs00779-012-0618-y.pdf>
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