

## ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

(11/2019)

Όνοματεπώνυμο	Κωνσταντίνος ΜΑΡΓΑΡΙΤΗΣ του Γεωργίου
Ημερομηνία Γέννησης	1 Ιανουαρίου 1960
Τόπος Γέννησης	Βέροια
Υπηκοότητα	Ελληνική
Οικογ. Κατάσταση	Έγγαμος, με δύο παιδιά

### ΔΙΕΥΘΥΝΣΕΙΣ

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### ΣΤΑΔΙΟΔΡΟΜΙΑ

1978-1983	Δίπλωμα Τμήματος Ηλεκτρολόγων Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσ/νίκης.
1984-1988	Υποτροφία του Ιδρύματος Κρατικών Υποτροφιών για μεταπτυχιακές σπουδές στο εξωτερικό.
1984-1985	Master of Science in Computer Science, Loughborough University, U.K.
1985-1988	Doctor of Philosophy in Computer Science, Loughborough University, U.K.
1988-1990	Προγραμματιστής/Αναλυτής, Ανώτατη Σχολή Πολέμου, Θεσ/νίκη (Στρατιωτική Θητεία).
1990-1992	Λέκτορας Πληροφορικής, Πανεπιστήμιο Μακεδονίας, Θεσ/νίκη.
1992-1994	Επίκουρος Καθηγητής Πληροφορικής, Πανεπιστήμιο Μακεδονίας, Θεσ/νίκη.
1994-1998	Αναπληρωτής Καθηγητής Πληροφορικής (Παράλληλη Καταναμημένη Επεξεργασία), Πανεπιστήμιο Μακεδονίας, Θεσ/νίκη.
1998-	Καθηγητής Πληροφορικής (Παράλληλη Καταναμημένη Επεξεργασία), Πανεπιστήμιο Μακεδονίας, Θεσ/νίκη.
1998-2004	Συνεργαζόμενος Ερευνητής, Ινστιτούτο Πληροφορικής και Τηλεματικής, Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης, Θεσσαλονίκη.
2000- 2006	Αντιπρύτανης Οικονομικού Προγραμματισμού και Ανάπτυξης, Πρόεδρος Επιτροπής Ερευνών, Πρυτανεύων, Πανεπιστήμιο Μακεδονίας, Θεσ/νίκη.
2004-2006	Προεδρεύων, Τμήμα Διοίκησης Τεχνολογίας, Πανεπιστήμιο Μακεδονίας, Νάουσα.
2008-2010	Μέλος της Αρχής Διασφάλισης Ποιότητας στην Ανώτατη Εκπαίδευση (ΑΔΙΠ), Τομέας Θετικών Επιστημών και Πληροφορικής.
2010-2012	Μέλος Διοικούσας Επιτροπής, Πανεπιστήμιο Δυτικής Μακεδονίας.
2010-2012	Προεδρεύων, Τμήμα Μηχανικών Πληροφορικής και Τηλεπικοινωνιών, Πανεπιστήμιο Δυτικής Μακεδονίας, Κοζάνη.
2012-2016	Μέλος Συμβουλίου Διοίκησης Πανεπιστημίου Μακεδονίας.
2017-2019	Μέλος Γνωμοδοτικού Συμβουλίου Εθνικού Δικτύου Έρευνας και Τεχνολογίας (ΕΔΕΤ)

### ΑΚΑΔΗΜΑΙΚΗ ΔΡΑΣΤΗΡΙΟΤΗΤΑ

Διδασκαλία προπτυχιακών μαθημάτων: Εισαγωγή στην Πληροφορική, Ψηφιακή Σχεδίαση, Οργάνωση Υπολογιστών, Αρχιτεκτονική Υπολογιστών, Λειτουργικά Συστήματα, Προγραμματισμός Συστημάτων, Παράλληλος και Καταναμημένος Υπολογισμός, Υπολογισμοί Υψηλών Επιδόσεων, Καταναμημένα Συστήματα.

Διδασκαλία μεταπτυχιακών μαθημάτων: Συντρέχοντα και Κατανεμημένα Συστήματα, Παράλληλος Υπολογισμός, Συστήματα Υπολογιστών Υψηλών Επιδόσεων: Αρχιτεκτονική και Προγραμματισμός.

Διδακτορικές διατριβές:

- Τσαδήςρας, Α., *Ασαφείς Γνωστικές Απεικονίσεις και Νευρώνες Βεβαιότητας* (συνεπίβλεψη)
- Κασκάλης, Θ., *Διατάξεις Επεξεργαστών για Επαναληπτικές Πράξεις Πινάκων και Συσχετιστικές Μνήμες*
- Τσινάκος, Α., *Εφαρμογή Ευφώνων Τεχνικών στην Ασύγχρονη Τηλεκπαίδευση,*
- Μιχαηλίδης, Π., *Παράλληλες και Κατανεμημένες Υλοποιήσεις για τη Προσεγγιστική Αναζήτηση Αλφαριθμητικών*
- Πασχαλούδη, Β., *Συμβολή στην Αναγνώριση και Έντυπη Αναπαραγωγή της Ελληνικής Νοηματικής Γλώσσας,*
- Διγαλάκης, Ι., *Παράλληλες και Κατανεμημένες Υλοποιήσεις Εξελικτικών και Μιμητικών Αλγορίθμων*
- Βοζαλής, Μ., *Μελέτη Αλγορίθμων Συνεργατικής Διήθησης για Συστήματα Συστάσεων*
- Τούτιος, Α., *Χρήση Στοχαστικών Μεθόδων για την Εξαγωγή Φωνητικών Υπο-Φωνημικών Χαρακτηριστικών από Σήμα Ομιλίας*
- Καπτάν, Α., *Οπτικοποίηση και Προγραμματισμός Παράλληλων και Κατανεμημένων Συστημάτων*
- Κουζινόπουλος, Χ., *Παράλληλη και Κατανεμημένη Αναζήτηση Πολλαπλών και Δι-διάστατων Αλφαριθμητικών*
- Κόκκινος, Ι., *Παράλληλα και Κατανεμημένα Τεχνητά Νευρωνικά Δίκτυα για Εξόρυξη Δεδομένων Μεγάλης Κλίμακας*
- Κυριακίδης, Γ., *Παράλληλες και Κατανεμημένες Μέθοδοι για Αναζήτηση Αρχιτεκτονικών Τεχνητών Νευρωνικών Δικτύων (τρέχουσα μελέτη)*

Εξεταστής και μέλος Συμβουλευτικής Επιτροπής του Ιδρύματος Κρατικών Υποτροφιών, για μεταπτυχιακές και μεταδιδακτορικές υποτροφίες στη Πληροφορική, Πληροφοριακά Συστήματα, Τεχνητή Νοημοσύνη και σχετικά αντικείμενα.

Συντονιστής της επιτροπών Εσωτερικού Κανονισμού, Στρατηγικού και Επιχειρησιακού Σχεδιασμού του Πανεπιστημίου Μακεδονίας, Εκπρόσωπος του Πανεπιστημίου Μακεδονίας στις εθνική επιτροπή Χωροταξικού Σχεδιασμού της Ανώτατης Εκπαίδευσης.

Συντονιστής / Επικεφαλής διαφόρων επιτροπών και έργων σχετικών με την ανάπτυξη νέων πανεπιστημιακών τμημάτων, προγραμμάτων σπουδών, ανάπτυξη υποδομών και υπηρεσιών.

Κριτής διεθνών επιστημονικών περιοδικών. Μέλος Συντακτικών Επιτροπών και υπεύθυνος ειδικών εκδόσεων (Special Issues). Πρόεδρος/ Μέλος Επιστημονικών Επιτροπών εθνικών και διεθνών συνεδρίων. Οργανωτής ειδικών συνεδρίων (Special Sessions). Κριτής εθνικών και διεθνών ερευνητικών / αναπτυξιακών προτάσεων.

## ΕΡΕΥΝΑ ΚΑΙ ΑΝΑΠΤΥΞΗ

- Παράλληλη επεξεργασία ψηφιακής εικόνας σε συστήματα βασισμένα σε Transputers (ESPRIT Parallel Computing Action, Συνεργάτης Ερευνητής, ΑΠΘ).
- Παράλληλη επεξεργασία σημάτων Μαγνητοεγκεφαλογραφίας βασισμένα σε Transputers (ESPRIT, Συνεργάτης Ερευνητής, ΑΠΘ).
- Ανάπτυξη παράλληλων αλγορίθμων, λογισμικού και συστήματος για την επεξεργασία καρδιακών σημάτων σε Transputers, ESPRIT Intelligent Signal Sensor Surveillance, Ερευνητής, ΑΠΘ).
- Bootstrap εκτίμηση διαστημάτων εμπιστοσύνης για συστήματα εξισώσεων παλινδρόμησης σε περιβάλλον συμβατικής και παράλληλης επεξεργασίας. (Ερευνητής, Πανεπιστήμιο Μακεδονίας).
- Συστολικοί αλγόριθμοι και τεχνητά νευρωνικά δίκτυα, ζητήματα υλοποίησης και συσχέτισης των δύο τύπων υπολογιστικών μοντέλων, πρόγραμμα Human Capital and Mobility / Artificial Neural Networks (Επισκέπτης Ερευνητής).

- Εκπόνηση Σχεδίου και Ανάπτυξη Πληροφορικής και Επικοινωνιακής Υποδομής και Πληροφοριακού Συστήματος του Πανεπιστημίου Μακεδονίας (Επιστημονικός Υπεύθυνος Πανεπιστήμιο Μακεδονίας)
- Λειτουργία Εστιακού Κέντρου Τεκμηρίωσης και Γραφείου Διαμεσολάβησης (ΓΓΕΤ, Επιστημονικός Υπεύθυνος Πανεπιστημίου Μακεδονίας).
- Αναδιοργάνωση και εκσυγχρονισμός Βιβλιοθήκης Πανεπιστημίου Μακεδονίας. (Επιστημονικός Υπεύθυνος, ΕΠΕΑΕΚ Ι).
- Δίκτυο Πρόσβασης και Υπηρεσίες Δικτύου Κορμού των ΑΕΙ και ΤΕΙ - GUNet / GRNet (ΕΠΕΑΕΚ Ι, ΕΔΕΤ, Επιστημονικός Υπεύθυνος Πανεπιστημίου Μακεδονίας).
- Επέκταση και Αναβάθμιση Δικτυακής Υποδομής και Υπολογιστικού Περιβάλλοντος Πανεπιστημίου Μακεδονίας. (ΕΠΕΑΕΚ Ι, Αναπληρωτής Επιστημονικός Υπεύθυνος).
- Διοργάνωση σεμιναρίων και προγραμμάτων Κινητικότητας για καθηγητές Β'βάθμιας Εκπαίδευσης σε θέματα Πληροφορικής (ΠΕΚ Θεσσαλονίκης, ΕΠΕΑΕΚ Ι, Επιστημονικός Υπεύθυνος).
- Ανάπτυξη υπηρεσιών Internet, WWW και συστήματος ηλεκτρονικής πληροφόρησης σπουδαστών. (Πανεπιστημίου Μακεδονίας).
- Υπεύθυνος Πακέτου Έργου για τη Διδασκαλίας Τεχνολογιών Αιχμής Πληροφορικής στο πρόγραμμα Ανάπτυξης και Αναμόρφωσης του Προγράμματος Σπουδών του Τμ. Εφ. Πληροφορικής (ΕΠΕΑΕΚ Ι).
- Συμμετοχή ως Υπεύθυνος Πακέτου Έργου στο πρόγραμμα Τηλεκπαίδευσης Πανεπιστημίου Μακεδονίας "Τηλέμαθος" (ΕΠΕΑΕΚ Ι).
- Συμμετοχή ως Υπεύθυνος Πακέτου Έργου στο πρόγραμμα Συνεχιζόμενης Κατάρτισης του Πανεπιστημίου Μακεδονίας (ΕΠΕΑΕΚ Ι).
- Συμμετοχή ως Υπεύθυνος Πακέτου Έργου στο πρόγραμμα Ανάπτυξης Μηχανισμού Εκδόσεων του Πανεπιστημίου Μακεδονίας (ΕΠΕΑΕΚ Ι). Πρόεδρος Εκδοτικής Επιτροπής Εκδόσεις Πανεπιστημίου Μακεδονίας.
- Διοργάνωση σεμιναρίων σε συνεργασία με ΣΒΒΕ και Εμποροβιοτεχνικών Επιμελητηρίων σε θέματα Ηλεκτρονικού Εμπορίου και EDI (ΚΕΚ Περιφέρειας Κεντρικής Μακεδονίας, Επιστημονικός Υπεύθυνος).
- Δίκτυο Πρόσβασης και Υπηρεσίες Δικτύου Κορμού της Δευτεροβάθμιας Εκπαίδευσης Ασκόσ του Αιόλου / EDUNet / Πανελλήνιο Σχολικό Δίκτυο, ΠΣΔ (ΕΠΕΑΕΚ Ι-ΙΙ, ΚτΠ, Επιστημονικός Υπεύθυνος Πανεπιστημίου Μακεδονίας).
- Συμμετοχή ως Υπεύθυνος Πακέτου Έργου στο πρόγραμμα μακροχρόνιας κατάρτισης εκπαιδευτικών στις Τεχνολογίες Πληροφορικής και Επικοινωνιών του Πανεπιστημίου Μακεδονίας Ε42 (ΕΠΕΑΕΚ Ι- ΙΙ).
- Ανάπτυξη πρότυπου περιβάλλοντος Κατανεμημένης Επεξεργασίας (Commodity Super Computing) , (Ινστιτούτο Πληροφορικής και Τηλεματικής, ΕΚΕΤΑ, ΕΔΕΤ).
- Ιδρυματικός Επιστημονικός Υπεύθυνος Πανεπιστημίου Μακεδονίας έργου Διεύρυνσης Τριτοβάθμιας Εκπαίδευσης (ΕΠΕΑΕΚ Ι-ΙΙ).
- Επέκταση και Αναβάθμιση εργαστηριακού εξοπλισμού Πανεπιστημίου Μακεδονίας (ΕΠΕΑΕΚ ΙΙ, Αναπληρωτής Επιστημονικός Υπεύθυνος).
- Συμμετοχή στην Επιτροπή Παρακολούθησης του Περιφερειακού Επιχειρησιακού Προγράμματος Β και Γ ΚΠΣ Περιφέρειας Κεντρικής Μακεδονίας.
- Συμμετοχή στην Επιστημονική Επιτροπή του έργου εισαγωγής Τεχνολογιών Πληροφορικής και Επικοινωνιών στις Μικρο-Μεσαίες Επιχειρήσεις "Δικτυωθείτε" (ΥΠΑΝ, ΚτΠ, Εθνική Συμμετοχή και επικεφαλής στη Κεντρική Μακεδονία).
- Συμμετοχή στο έργο εκπόνησης Επιχειρησιακού Σχεδίου για τη συμμετοχή στη Κοινωνία της Πληροφορίας της Αρχής Προστασίας Ατομικών Δεδομένων (ΚτΠ).
- Συμμετοχή στην Επιστημονική Συμβουλευτική Επιτροπή και στην Επιτροπή εκπόνησης Επιχειρησιακού Σχεδίου για τη συμμετοχή στη Κοινωνία της Πληροφορίας του Συμβουλίου Απόδημου Ελληνισμού (ΣΑΕ, ΚτΠ).
- Συμμετοχή στο IST project COINE (Cultural Objects in Networked Environment). IST Proposal Number IST-2001-32258.
- Μέλος Εθνικής Επιτροπής για τη Ψηφιοποίηση του Ελληνικού Πολιτιστικού Αποθέματος (2000, Υπουργείο Πολιτισμού, ΚτΠ).
- Μέλος εθνικής επιτροπής ανάπτυξης υποδομής Υπολογιστικού Πλέγματος - HellasGrid (ΕΔΕΤ, ΚτΠ, 2004-).
- Συντονιστής περιφερειακής επιτροπής για την Κοινωνία της Πληροφορίας (Περιφέρεια Κεντρικής Μακεδονίας, ΚτΠ, 2003-2004).

- EGEE IST project (Enabling Grids for E-Science in Europe) participation, Contract Number ISFO-508833.
- MABECS TEMPUS project Management and Business Education in Computer Studies co-ordination, CD-JEP-18046-2003.
- Emath for All TEMPUS project Multilingual Internet Step-by-step Math for All co-ordination, PP-SCM-C033A04-2004.
- SEEGrid Project (Development of SouthEastern European Grid Infrastructure), συμμετοχή.
- Πλατφόρμα Ασύγχρονης Τηλεκπαίδευσης για την Α'- και Β' Βάθμια Εκπαίδευση, συντονισμός, Πανελλήνιο Σχολικό Δίκτυο, ΚτΠ.
- Ελεύθερο Ανοικτό Λογισμικό για την Α'-και Β'- Βάθμια Εκπαίδευση, συντονισμός, Πανελλήνιο Σχολικό Δίκτυο, ΚτΠ.
- EGEE-II IST project (Enabling Grids for E-Science), συμμετοχή
- Quality Assurance and Accreditation System Network (QAASNet) TEMPUS Project, scientific co-ordination, SCM No C011B05.
- Μέλος επιστημονικής επιτροπής για την εισαγωγή του Μαθητικού Υπολογιστή, ΥΠΕΠΘ, 2006.
- EU MedGrid project (European-Mediterranean Grid infrastructure), συμμετοχή.
- Μέλος επιτροπής για την ανάπτυξη του Πόλου Καινοτομίας Περιφέρειας Κεντρικής Μακεδονίας, 2006-7.
- Πανελλήνιο Σχολικό Δίκτυο (Sch.gr), υποστήριξη υποδομών και υπηρεσιών (ΥΠΕΠΘ)..
- Μέλος της Επιστημονικής Επιτροπής της Εταιρίας Ελεύθερου Ανοικτού Λογισμικού Λογισμικού Ανοικτού Κώδικα (ΕΕΛΛΑΚ).
- Ανάπτυξη υλικού και παροχή μαθημάτων e-learning ICDL και Ubuntu Linux σε συνεργασία με τη Βιβλιοθήκη Πανεπιστημίου Μακεδονίας, ΕΠΕΑΕΚ II.
- EGEE-III FP7 project (Enabling Grids for E-Science), συμμετοχή
- Ανάπτυξη υποδομής e-science (HPC clusters) στο Πανεπιστήμιο Μακεδονίας (ΕΠΕΑΕΚ)
- Μελέτη ανάπτυξης υποδομών υπολογιστικού πλέγματος με έμφαση στη Η-διακυβέρνηση και το Η-επιχειρείν, HellasGrid, ΚτΠ.
- Εκπαίδευση εκπαιδευτών σε θέματα δικτύων και Διαδικτύου, Πανελλήνιο Σχολικό Δίκτυο, ΚτΠ.
- Μέλος εθνικής επιτροπής ανάπτυξης υποδομής Υπολογιστικών Υψηλών Επιδόσεων - HellasHPC (ΕΔΕΤ, 2010-).
- Ανάλυση χρήσης προσωπικών υπολογιστών και εφαρμογών στο πρόγραμμα “Δες τη Ψηφιακά (ΕΔΕΤ).
- Ελεύθερο-Ανοικτό Λογισμικό για τη Τριτοβάθμια Εκπαίδευση, Ανάπτυξη δικτυακού τύπου, (ΕΔΕΤ).
- Μέλος επιτροπής για την ανάπτυξη της Ελληνικής Wikipedia (ΕΕΛΛΑΚ).
- Ανάπτυξη Πληροφοριακού Συστήματος ΜΟΔΙΠ, Πανεπιστήμιο Μακεδονίας (ΕΠΕΑΕΚ)
- Μελέτη για την χρήση Επιστημονικού Λογισμικού ως Υπηρεσία, (ΕΔΕΤ)
- ΣΤΗΡΙΖΩ- Οριζόντιο έργο ανάπτυξης και υποστήριξης νέων υπηρεσιών στο δρόμο για το Ψηφιακό Σχολείο (Επιστημονικός Υπεύθυνος Πανεπιστημίου Μακεδονίας) (ΕΠΕΑΕΚ)
- OpenCourses – ανάπτυξη ανοικτού εκπαιδευτικού υλικού (συμμετοχή) (ΕΠΕΑΕΚ)
- Κέντρο Αριστείας Ελεύθερου-Ανοικτού Λογισμικού για Μικρομεσαίες Επιχειρήσεις (ΕΔΕΤ)

#### ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Παράλληλη και Καταναμημένη Επεξεργασία: αλγόριθμοι, αρχιτεκτονικές και προγραμματισμός για συστοιχίες υπολογιστών, συστήματα πολυεπεξεργασίας, διατάξεις επεξεργαστών, ενσωματωμένα συστήματα, συστήματα ειδικού σκοπού. Ευφυή Συστήματα, Υπολογιστική Νοημοσύνη: αλγόριθμοι, εφαρμογές, παράλληλες και καταναμημένες υλοποιήσεις. Υπολογιστικά Μαθηματικά: μέθοδοι και αλγόριθμοι.

## LIST OF PUBLICATIONS

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### B. Books / Book and Series Chapters

- B1. Margaritis K.G., A study of systolic algorithms for VLSI processor arrays and optical computing, Ph.D. Thesis, Department of Computer Studies, Loughborough University, UK, 1988.
- B2. Margaritis K.G., Evans D.J., Parallel systolic LU factorization for simplex updates, Lecture Notes in Computer Science (297), pp. 806-825, 1987.
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