

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Δρ. ΒΑΣΙΛΕΙΟΥ Χ. ΜΟΥΣΑ

Καθηγητή

του Τμήματος Πολιτικών Μηχανικών, της Σχολής Μηχανικών
του Πανεπιστημίου Δυτικής Αττικής

(ενημ. 2024)

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| Ημερομηνία Γέννησης | 10/11/1959 |
| Οικογενειακή Κατάσταση | Έγγαμος, 1 τέκνο. |
| Διεύθυνση Εργασίας | Πανεπιστήμιο Δυτικής Αττικής, Τμήμα Πολιτικών Μηχανικών Τομέας Δομοστατικής Μηχανικής, Εργ. Εφαρμ. Πληροφορικής |
| Θέση | Καθηγητής |
| Ηλ. Ταχυδρομείο | vmouss @ uniwa.gr |
| Ιστοσελίδα | http://www.civ.uniwa.gr/profile/moussasvassilios/ |

ΕΚΠΑΙΔΕΥΣΗ

ΔΙΠΛΩΜΑΤΑ

Διδακτορικό (Ph.D.) Μηχανικού Πληροφορικής & Ηλεκτρονικών Υπολογιστών
Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών & Πληροφορικής
Πολυτεχνική Σχολή, Πανεπιστήμιο Πατρών (2002)

M.Sc. in Data Communications
Τμήμα Ηλεκτρονικών & Ηλεκτρολόγων Μηχανικών
Πανεπιστήμιο Brunel
Λονδίνο, Ηνωμένο Βασίλειο. (1999)

Δίπλωμα Ηλεκτρολόγου Μηχανικού
Τμήμα Ηλεκτρολόγων Μηχανικών
Πολυτεχνική Σχολή, Πανεπιστήμιο Πατρών (1982)

ΕΞΕΙΔΙΚΕΥΜΕΝΗ ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΚΠΑΙΔΕΥΣΗ

Εξειδικεύσεις
Νευρωνικά Δίκτυα, Προσαρμοστικά Συστήματα & Εφαρμογές (1992)

- Πανεπιστήμιο Αθηνών & ΕΛΚΕΠΑ (150 ώρες) – Καθ. Π. Καλουπτσίδης

Certificates

- SUN Solaris System Administration (2000)
- Introductory & Advanced FORE ATM Switches Configuration (1999)
- ISDN Τηλεφωνία & PBX (1999)
- Cisco Routers & Catalyst Switches Configuration (1998)
- Cabletron Spectrum Network Management System (1998)
- Technology Transfer and Dissem. of High Performance Computing (1993)

ΞΕΝΕΣ ΓΛΩΣΣΕΣ

- Αγγλική (Πολύ Καλά)
- Γαλλική (Πολύ Καλά)
- Ιταλική (Πολύ Καλά)
- Γερμανική (Στοιχειωδώς)

ΚΡΙΤΗΣ (REVIEWER):

Επιστημονικά Περιοδικά

- **JRMGE**, Journal of Rock Mechanics and Geotechnical Engineering (Elsevier)
- Journal **Results in Physics** (Elsevier)
- Journal **Information** (MDPI)
- Journal **Remote Sensing** (MDPI)
- **JPIER**, Journal on Progress In Electromagnetics Research
- Journal **Sensors** (MDPI)
- **OPENMATH**, Open Mathematics Journal
- Journal **Mathematics** (MDPI)
- Journal **Electronics** (MDPI)
- Journal **Applied Sciences** (MDPI)
- **IJAV**, International Journal of Acoustics and Vibration
- **IJIE**, International Journal of Information Engineering
- **IET Radar, Sonar & Navigation** Journal
- **EURASIP** Journal on Advances in Signal Processing (2006 - σήμερα) (JASP, former: Journal of Applied Signal Processing).

Επιστημονικά Συνέδρια

- 9th International Symposium and 31st National Conference on Operational Research, May 18-20, 2023 Athens, Greece.
- The 4th International Conference on Multimedia Technology (ICMT 2015), Sydney, Australia Jan 23-25, 2015
- The European Conference on Signal Processing, EUSIPCO 2008.
- The 12th International Workshop on Systems, Signals & Image Processing”, IWSSIP '05, Chalkida, Greece, 22-24 September, 2005
- The 8th International Security Conference, ISC 2005, Singapore.

Επιστημονική Επιτροπή (Scientific Committee)

- 6th SCCE, International Conference, Athens, 9-12 July, 2014
- 5th EPSMSO, International Conference, Athens, 3-6 July, 2013
- 5th SCCE, International Conference, Athens, 4-7 July, 2012
- 4th EPSMSO, International Conference, Athens, 6-9 July, 2011
- 3rd SCCE International Conference, Athens, 9-12 July, 2008
- 2nd SCCE International Conference, Athens, 5-8 July, 2006.
- 1st EPSMSO, International Conference, Athens, 6-9 July, 2005

ΟΡΓΑΝΩΣΗ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ:

Οργανωτική Επιτροπή (Organizing Committee)

- 9th International Symposium and 31st National Conference on Operational Research, May 18-20, **2023** Athens, Greece.
- 12th International Information Security Conference, IFIP SEC '96, 21-24 May, 1996, Samos, Greece.

Οργανωτής/Πρόεδρος Session (Session Chairman/Organizer)

- 6th SCCE, International Conference, Athens, 9-12 July, 2014
- 5th EPSMSO, International Conference, Athens, 3-6 July, 2013
- 5th SCCE, International Conference, Athens, 4-7 July, 2012
- 4th EPSMSO, International Conference, Athens, 6-9 July, 2011
- 10th MAMECTIS International Conference “Mathematical Methods, Computational Techniques and Intelligent Systems”, Corfu, 26-28 October, 2008
- 3rd SCCE International Conference, Athens, 9-12 July, 2008
- 2nd EPSMSO, International Conference, Athens, 4-7 July, 2007
- 2nd SCCE International Conference, Athens, 5-8 July, 2006.
- 12th International Workshop on Systems, Signals and Image Processing (IWSSIP05), Chalkida, Greece, 22-24 September, 2005
- 1st EPSMSO, International Conference on "Experiments/Process/System Modelling/Simulation & Optimization", Athens, 6-9 July, 2005
- 1st SCCE International Conference “From Scientific Computing to Computational Engineering”, Athens, 8-10 September, 2004

ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

- ΤΕΙ ΑΘΗΝΑΣ Τμήμα Πολιτικών Μηχ. & Μηχ Τοπογραφίας & Γεωπληροφορικής ΤΕ
"Ολοκληρωμένο Σύστημα Ακτοπλοϊκών Συγκοινωνιών για τα νησιά του Αιγαίου", ΑΡΧΙΜΙΔΗΣ ΙΙΙ "Ενίσχυση Ερευνητικών Ομάδων ΤΕΙ", υποέργο 32, ΕΣΠΑ.
- ΤΕΙ ΑΘΗΝΑΣ Τμήμα Πολιτικών Έργων Υποδομής (Επιστ. Επιτροπή & Συμμετέχων)
"Εκσυγχρονισμός και Αναβάθμιση του υπάρχοντος ΠΠΣ του Τμήματος Πολιτικών Έργων Υποδομής με Χρήση Εργαλείων Πληροφορικής", ΕΠΕΑΕΚ ΙΙ - Αναμόρφωση Προπτυχιακών Προγραμμάτων Σπουδών/ΕΚΤ/ΜΙΣ 75448.
- ΤΕΙ ΑΘΗΝΑΣ
"Ενέργεια Δίκτυα 3.1γ - Υλοποίηση Δικτύου για Διοικητικές, Εκπαιδευτικές, Ερευνητικές Εφαρμογές στο ΤΕΙ-Αθήνας" - Β' Κ.Π.Σ.
- Πανεπιστήμιο Πατρών Τμήμα Χημικών Μηχανικών
"Magneto-elastic Energy Systems for Even More electric Aircraft" MESEMA, FP6 STREP Project.
- Πανεπιστήμιο Πατρών Τμήμα Μηχανικών Η/Υ & Πληροφορικής
"Βέλτιστη Κατεργασία Γεωφυσικών Δεδομένων για Εύρεση Πετρελαίου".
- Ε.Μ.Π. Τμήμα Ηλ. Μηχ. & Πληροφ.
"DIDOS" - πρόγραμμα RACE.
- CEE Joint Research Centre, Ispra site, System Engineering & Reliability Division
"Process Identification by Partitioned Algorithms" (JRC - Ispra), μέσα στα πλαίσια των
"Materials and Structures" & "Advanced Materials" (JRC - Ispra).
- FP7-ICT EU/Paragon S.A.
"Reliable Application specific Detection of road users with vehicle On-board SENSors", (ADOSE), FP7 ICT Project.
"The Foundation for the Smart Factory of the Future", (FOFDATION), FP7 ICT Project.
"Collaborative & Robust Engineering using Simulation capability Enabling Next Design Optimisation", (CRESCENDO), FP7 ICT Project
"Integrated management of product heterogeneous data", (IPROD), FP7 ICT Project
"Wind tunnel tests for the Evaluation of the installation effects of Noise Emissions of an Open Rotor advanced regional aircraft", (WENEMOR), CLEAN SKY Project
- ΚΥΡΟΣ Αστική Εταιρεία
"UNiverse", πρόγραμμα μεγάλης κλίμακας του Telematics for Libraries 4th Framework.
"Document And Library Integration" (DALI), πρόγραμμα LIBRARY.
"Secure Environment for Information Systems in Medicine" (SEISMED), πρόγραμμα AIM.
"Generic Architecture for Information Availability", (GAIA), πρόγραμμα ACTS 2nd Call.
"Integration of High Performance Services for Interactive Vocational Training for European Regeneration" (RENAISSANCE), πρόγραμμα ACTS.
"European Standard Architecture's Formulation" (EURSAF), πρόγραμμα RACE.
- INDECON Advanced Technology Ltd.
"Mobile Autonomous Robot for Industrial Environments" (MARIE), 4ετές πρόγραμμα ESPRIT ΙΙ.
"Front-ends for Open and Closed User Systems" (FOCUS), 4ετές πρόγραμμα ESPRIT ΙΙ.
"Application of Multi-Agent Knowledge Based Systems" (AMKBS), 1ετές πρόγραμμα ESPRIT Exploratory.
"Technology Transfer and the Management of Innovation in the EEC", Σεμινάρια SPRINT.
"Euromanagement", πιλοτικό πρόγραμμα για την ενίσχυση των ΜΜΕ.
- Hellenic ESPRIT Club
"Open Microprocessor Initiative Dissemination" (OMI/DIS), πρόγραμμα ESPRIT/OMI.
- Αρχιμήδης Ε.Π.Ε., Αθήνα
"HPCN: High Performance Computing Development in Greece" μελέτη για τη DGIII.

ΔΙΑΓΩΝΙΣΜΟΙ / ΔΙΑΚΡΙΣΕΙΣ:

- Ένταξη στη Διεθνή έκδοση **Who-Is-Who in Science & Engineering** (2007).
- Επιτυχών του **Ευρωπαϊκού Διαγωνισμού** COM/R/A/40/89702952 για επιλογή **Ερευνητικού Προσωπικού** για τα κέντρα ερευνών της Ευρωπαϊκής Ένωσης (1989-92).
- **Έπαινος** από τη Διοίκηση Αεροπορικής Υποστήριξης κατά τη στρατιωτική θητεία (1990)
- **Υποτροφία** των Ευρωπαϊκών Κοινοτήτων για μεταπτυχιακή έρευνα το (1986)
- Ερευνητικός Μεταπτυχιακός **Υπότροφος** (EMY) στο Ι.Τ.Υ. (1985)
- **Υποτροφία** Ι.Κ.Υ. το 1984 κατόπιν διαγωνισμού (3ος /50)

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

ΑΚΑΔΗΜΑΪΚΑ/ΕΡΕΥΝΗΤΙΚΑ ΙΔΡΥΜΑΤΑ:

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|---|---------------------------------------|
| <i>Καθηγητής</i> | (2024 - σήμερα) |
| <i>Αναπληρωτής Καθηγητής</i> | (2018 - 2024) |
| Τμήμα Πολιτικών Μηχανικών, Πανεπιστημίου Δυτικής Αττικής Γνωστικό Αντικείμενο: «Προγραμματισμός και Δικτύωση Ηλεκτρονικών Υπολογιστών με έμφαση στις Εφαρμογές Ελέγχου Υλικών» | |
| <i>Αναπληρωτής Καθηγητής</i> | (ΦΕΚ Γ' 786, 29-7-2013) (2013 - 2018) |
| Σ.ΤΕ.Φ., Τμήμα Πολιτικών Μηχ.ΤΕ & Μηχ. Τοπογραφίας & Γεωπληροφορικής Τ.Ε.Ι. Αθηνών | |
| <i>Επίκουρος Καθηγητής</i> | (2005-2013) |
| Σ.ΤΕ.Φ., Τμήμα Πολιτικών Έργων Υποδομής Τ.Ε.Ι. Αθηνών | |
| <i>Μηχανικός Δικτύου & Διαχειριστής Δικτύου & Συστημάτων</i> | (1996-2005) |
| Διεύθυνση Πληροφορικής & Μηχανογράφησης Κέντρο Διαχείρισης Δικτύου Τ.Ε.Ι. Αθηνών | |
| <i>Έκτακτος Καθηγητής Εφαρμογών & Εργ. Συνεργάτης</i> | (1992-2003) |
| Σ.ΤΕ.Φ., Τμήματα Πληροφορικής & Ηλεκτρονικής Τ.Ε.Ι. Αθηνών | |
| <i>Ερευνητής-Μηχανικός</i> | (1993) |
| Τμήμα Ηλεκτρολόγων Μηχανικών & Πληροφορικής Εθνικό Μετσόβιο Πολυτεχνείο | |
| <i>Ερευνητής</i> | (1986-1989) |
| Τομέας Μηχανικής Συστημάτων & Αξιοπιστίας Κοινό Κέντρο Ερευνών (JRC) της Ευρωπαϊκής Ένωσης (πρώην EURATOM) Εγκαταστάσεις Ispra (VA), Ιταλία. | |
| <i>ΕΜΥ, Βοηθός Εργαστηρίων</i> | (1984-1986) |
| Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών & Πληροφορικής Πανεπιστήμιο Πατρών & Ινστιτούτο Τεχνολογίας Υπολογιστών (Ι.Τ.Υ.) | |

ΙΔΙΩΤΙΚΕΣ ΕΤΑΙΡΕΙΕΣ:

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| <i>Μηχανικός & Ερευνητής</i> | |
| ΚΥΡΟΣ Αστική Εταιρεία | (1994-1996) |
| Αρχιμήδης Ε.Π.Ε., Αθήνα | (1994) |
| Hellenic ESPRIT Club | (1992-1994) |
| INTERCONSULT A.E. | (1991-1993) |
| INDECON Advanced Technology Ltd. | (1989-1992) |

ΤΕΧΝΙΚΕΣ ΜΕΛΕΤΕΣ

- Μελέτη Ολοκλήρωσης των Τοπικών Δικτύων της Σχολής Τεχνολογικών Εφαρμογών στο Δίκτυο Κορμού του ΤΕΙ Αθήνας. (1998)
- Μελέτη εγκατάστασης Δομημένης Καλωδίωσης στα 9 νέα εργαστήρια Η/Υ της Επέκτασης ΣΤΕΦ και της Επέκτασης της ΣΓΤΚΣ (1999)
- Μελέτη Επέκτασης & Αναβάθμισης του δικτύου του ΤΕΙ Αθήνας. (2000)
- Μελέτη Αξιοποίησης με νέες Εφαρμογές του δικτύου του ΤΕΙ Αθήνας. (2000)

ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ:

Μεταπτυχιακά:

Πάνω από 6 εξάμηνα διδασκαλίας μαθημάτων σε ΜΠΣ (ΠΑΔΑ, ΣΣΕ) (2015-Σήμερα):
«Προγραμματισμός Η/Υ» (Visual Basic), «Αντικειμενοστραφής Προγραμματισμός» (Visual Basic & VBA),
«Αλγόριθμοι και Πολυπλοκότητα» (με MatLab/Octave)

Προπτυχιακά:

- ΠΑΔΑ, Τμήμα Πολιτικών Μηχανικών (2018- σήμερα)
Πληροφορική και Προγραμματισμός Η/Υ, Οικονομοτεχνική Ανάλυση Έργων & Επιχειρησιακή Έρευνα,
Προγραμματισμός & Διαχείριση Τεχνικών Έργων, Μέθοδοι Επίλυσης με ΗΥ (Μηχ. Μάθηση & ΑΙ)
- Τ.Ε.Ι. Αθηνών, Τμήμα Πολιτικών Έργων Υποδομής/Πολιτικών Μηχανικών & ΜΤΓ (18/10/2005- 2018)
Προγραμματισμός Η/Υ (MatLab, Fortran), Προγραμματισμός Εφαρμογών (Excel, VBA), Εισαγωγή στους Η/Υ,
Σχεδίαση με Η/Υ, Χρήση Η/Υ, Μηχανική της Θραύσης & Μέθοδοι Μη-Καταστροφικού Ελέγχου,
Επιχειρησιακή Έρευνα & Βελτιστοποίηση, Οικονομοτεχνική Ανάλυση & Επιχειρηματικότητα, Διαχείριση
Εργοταξίου & Μηχ. Τεχν. Έργων.
- Τ.Ε.Ι. Αθηνών, Τμήματα Πληροφορικής & Ηλεκτρονικής (1992- 2004)
Αλγοριθμική - VISUAL BASIC - Προγραμματισμός I & II (PASCAL, FORTRAN, BASIC) - Βάσεις
Δεδομένων (ACCESS, COBOL) - Ασφάλεια Πληροφοριακών Συστημάτων - Δίκτυα Υπολογιστών -
Προγραμματισμός II (PASCAL) - Εισαγωγή στη Πληροφορική - Εισαγωγή στους Η/Υ (DOS/WIN).
- ΕΠΥ, Εκπαίδευση προσωπικού του Κ.Η.Υ.Κ.Υ. (1996)
Προγραμματισμός για Windows με VISUAL BASIC, Προγραμματισμός για Βάσεις Δεδομένων με VISUAL
BASIC & ACCESS
- ΚΕΠΙΑ, Εκπαίδευση προσωπικού της Δ.Ε.Η. (1995)
Προγραμματισμός για Windows με VISUAL BASIC
- Τ.Ε.Ι. Αθηνών, Εκπαίδευση Καθηγητών Γυμνασίων στα Windows (1994)
Dos/Windows, Novell, Word, Excel, Works.
- INTERCONSULT A.E. (1991-1993)
Σεμινάρια: DOS/Windows, BASIC, Βάσεις Δεδομένων dbase, Επεξεργαστές Κειμένων
- Πανεπιστήμιο Πατρών, Τμήμα Μηχανικών Η/Υ & Πληροφορικής και ΙΤΥ (1983-1986)
Εργαστήριο Ψηφιακής Λογικής, Εργαστήριο Μικροϋπολογιστών, Επίβλεψη Διπλωματικών Εργασιών σε
Επεξεργασία Σημάτων και Ρομποτική.

ΕΚΠΑΙΔΕΥΤΙΚΕΣ ΣΗΜΕΙΩΣΕΙΣ ΜΑΘΗΜΑΤΩΝ & ΕΡΓΑΣΤΗΡΙΩΝ

- Προγραμματισμός & Χρήση Η/Υ – MatLab/Fortran/Excel (σελ. 100), 2005-2011
- Επιχειρησιακή Έρευνα – Βελτιστοποίηση (σελ. 106), 2005-2010
- Θραυστομηχανική – Μη-Καταστροφικός Έλεγχος (σελ. 77), 2006-2008
- Εισαγωγή στο MatLab (σελ. 32), 2008
- Οδηγός χρήσης Internet (ΤΕΙ, τμ. Ηλεκτρονικής, Εργ. Δικτύων, 2000)
- Αξιοποίηση των Windows, Δικτύων (LAN) & Internet για καλύτερη οργάνωση & λειτουργία ενός γραφείου (1999).
- Σημειώσεις VISUAL BASIC για το τμήμα Πληροφορικής (1994)
- Εισαγωγή στους Η/Υ και το Internet για το προσωπικό & σπουδαστές του ΤΕΙ

e-BOOKS διαθέσιμα από το Δικτυακό Τόπο του Τμήματος:

- Προγραμματισμός Η/Υ με Fortran 2003/8 (<http://civil.teiath.gr>)
- Εφαρμογές Βελτιστοποίησης και Επιχειρησιακής Έρευνας σε Προβλήματα Μηχανικών (<http://civil.teiath.gr>)
- Μη-Καταστροφικός Έλεγχος & Αξιολόγηση Κατασκευών (<http://civil.teiath.gr>)

ΠΙΝΑΚΑΣ ΔΗΜΟΣΙΕΥΜΕΝΟΥ ΕΡΓΟΥ

ΒΙΒΛΙΑ

- B3. Β. Χ. ΜΟΥΣΑΣ, (2016), "Οικονομική και Τεχνική Βελτιστοποίηση Έργων Μηχανικού", (220 σελ.), Εκδοτικός Όμιλος ΙΩΝ, Αθήνα.
- B2. Β. Χ. ΜΟΥΣΑΣ, (2010), "Βασική Χρήση & Προγραμματισμός του MATLAB 7", (210 σελ. & CD), Εκδοτικός Όμιλος ΙΩΝ, Αθήνα, ISBN:978-960-411-671-3.
- B1. Β. Χ. ΜΟΥΣΑΣ, (2006), "Προγραμματισμός για Μηχανικούς με τη FORTAN 95/2003", (305 σελ. & CD), Εκδοτικός Όμιλος ΙΩΝ, Αθήνα, ISBN 960-411-567-7.

ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΓΟ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ, ΚΕΦ. ΒΙΒΛΙΩΝ & ΣΕ ΠΡΑΚΤΙΚΑ ΔΙΕΘΝΩΝ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ (ME LINKS)

2024

75. Pantazis D.N., Moussas V., et al., "Smart Data, Smart Cities: From Theory to Reality - The Athens Case", Submitted to the 8th INTERNATIONAL CONFERENCE ON SMART DATA AND SMART CITIES (SDSC 2024), 4-7th June 2024, Univ. of West Attica, Athens, Greece
74. Pantazis D., Moussas V., et al., "The aerial transport in urban areas: Towards the era of manned VTOL-AV", Submitted to the ICCSA 2024 Conference, Thuyloi University, Hanoi, Vietnam - July 1-4, 2024, <https://ess.iccsa.org/>

2023

73. Nikolopoulos Dionisios, Moussas Vassilios and Vryzidis Isaak "Performance of a Concrete Crack Detection Tool using Convolutional Neural Networks (CNN)", presented at the 9th International Symposium & 31st National Conference on Operational Research (HELORS 2023) June 29-30 and July 1, Athens, Greece, 2023
72. Pouresfantiani Karagiannis Nektarios Fotios, Moussas Vassilios and Vryzidis Isaak "Integration of Passenger Unmanned Aerial Vehicles (UAVs) in Urban Areas Transportation", presented at the 9th International Symposium & 31st National Conference on Operational Research (HELORS 2023) June 29-30 and July 1, Athens, Greece, 2023

2022

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