

**ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ**  
**Δρ. ΒΑΣΙΛΕΙΟΥ Χ. ΜΟΥΣΑ**  
**Αναπληρωτή Καθηγητή**  
**του Τμήματος Πολιτικών Μηχανικών, της Σχολής Μηχανικών**  
**του Πανεπιστημίου Δυτικής Αττικής**  
(ενημ. 2021)

**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**

1. Αγγλική (Πολύ Καλά)
2. Γαλλική (Πολύ Καλά)
3. Ιταλική (Πολύ Καλά)
4. 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*

- 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 8<sup>th</sup> International Security Conference, ISC 2005, Singapore.

#### *Επιστημονική Επιτροπή (Scientific Committee)*

- 6<sup>th</sup> SCCE, International Conference, Athens, 9-12 July, 2014
- 5<sup>th</sup> EPSMSO, International Conference, Athens, 3-6 July, 2013
- 5<sup>th</sup> SCCE, International Conference, Athens, 4-7 July, 2012
- 4<sup>th</sup> EPSMSO, International Conference, Athens, 6-9 July, 2011
- 3<sup>rd</sup> SCCE International Conference, Athens, 9-12 July, 2008
- 2<sup>nd</sup> SCCE International Conference, Athens, 5-8 July, 2006.
- 1<sup>st</sup> 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.
- 12<sup>th</sup> International Information Security Conference, IFIP SEC '96, 21-24 May, 1996, Samos, Greece.

#### *Οργανωτής/Πρόεδρος Session (Session Chairman/Organizer)*

- 6<sup>th</sup> SCCE, International Conference, Athens, 9-12 July, 2014
- 5<sup>th</sup> EPSMSO, International Conference, Athens, 3-6 July, 2013
- 5<sup>th</sup> SCCE, International Conference, Athens, 4-7 July, 2012
- 4<sup>th</sup> EPSMSO, International Conference, Athens, 6-9 July, 2011
- 10<sup>th</sup> MAMECTIS International Conference “Mathematical Methods, Computational Techniques and Intelligent Systems”, Corfu, 26-28 October, 2008
- 3<sup>rd</sup> SCCE International Conference, Athens, 9-12 July, 2008
- 2<sup>nd</sup> EPSMSO, International Conference, Athens, 4-7 July, 2007
- 2<sup>nd</sup> SCCE International Conference, Athens, 5-8 July, 2006.
- 12th International Workshop on Systems, Signals and Image Processing (IWSSIP05), Chalkida, Greece, 22-24 September, 2005
- 1<sup>st</sup> EPSMSO, International Conference on "Experiments/Process/System Modelling/Simulation & Optimization", Athens, 6-9 July, 2005
- 1<sup>st</sup> 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/MIS 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 II.  
 "Front-ends for Open and Closed User Systems" (FOCUS), 4ετές πρόγραμμα ESPRIT II.  
 "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:

*Αναπληρωτής Καθηγητής* (2018 - σήμερα)  
 Σ.Τ.Ε.Φ., Τμήμα Πολιτικών Μηχανικών  
 Πανεπιστημίου Δυτικής Αττικής  
 Γνωστικό Αντικείμενο: «Προγραμματισμός και Δικτύωση Ηλεκτρονικών Υπολογιστών με έμφαση στις Εφαρμογές Ελέγχου Υλικών»

*Αναπληρωτής Καθηγητής* (2013 - 2018)  
 Σ.Τ.Ε.Φ., Τμήμα Πολιτικών Μηχ.ΤΕ & Μηχ. Τοπογραφίας & Γεωπληροφορικής  
 Τ.Ε.Ι. Αθηνών

*Επίκουρος Καθηγητής* (2005-2013)

Σ.ΤΕ.Φ., Τμήμα Πολιτικών Έργων Υποδομής Τ.Ε.Ι. Αθηνών	
<i>Μηχανικός Δικτύου &amp; Διαχειριστής Δικτύου &amp; Συστημάτων</i>	(1996-2005)
Διεύθυνση Πληροφορικής & Μηχανογράφησης Κέντρο Διαχείρισης Δικτύου Τ.Ε.Ι. Αθηνών	
<i>Έκτακτος Καθηγητής Εφαρμογών &amp; 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:

<i>Μηχανικός &amp; Ερευνητής</i>	
ΚΥΡΟΣ Αστική Εταιρεία	(1994-1996)
Αρχιμήδης Ε.Π.Ε., Αθήνα	(1994)
Hellenic ESPRIT Club	(1992-1994)
INTERCONSULT A.E.	(1991-1993)
INDECOR 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:

<i>Τ.Ε.Ι. Αθηνών, Τμήμα Πολιτικών Έργων Υποδομής/Πολιτικών Μηχανικών &amp; ΜΤΓ</i>	(18/10/2005- Σήμερα)
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. Έργων.	
<i>Τ.Ε.Ι. Αθηνών, Τμήματα Πληροφορικής &amp; Ηλεκτρονικής</i>	(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).	
<i>ΕΠΥ, Εκπαίδευση προσωπικού του Κ.Η.Υ.Κ.Υ.</i>	(1996)
Προγραμματισμός για Windows με VISUAL BASIC, Προγραμματισμός για Βάσεις Δεδομένων με VISUAL BASIC & ACCESS	
<i>ΚΕΠΑ, Εκπαίδευση προσωπικού της Δ.Ε.Η.</i>	(1995)
Προγραμματισμός για Windows με VISUAL BASIC	
<i>Τ.Ε.Ι. Αθηνών, Εκπαίδευση Καθηγητών Γυμνασίων στα Windows</i>	(1994)
Dos/Windows, Novell, Word, Excel, Works.	
<i>INTERCONSULT A.E.</i>	(1991-1993)

Σεμινάρια: DOS/Windows, BASIC, Βάσεις Δεδομένων dbase, Επεξεργαστές Κειμένου  
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)

2021

70. Konstantinos Diamantis and Vassilios C. Moussas, "Estimating uniaxial compressive strength of peridotites from simple tests using neural networks", SPRINGER - Arabian Journal of Geosciences (2021) 14:2690. <https://doi.org/10.1007/s12517-021-09101-z> [Link]
69. Vassilios Moussas and Antonios Andreatos, "Malware Detection Based on Code Visualization and Two-Level Classification", MDPI - Information 2021, 12(3), 118; <https://doi.org/10.3390/info12030118> [Link]
68. Vassilios C.Moussas and Konstantinos Diamantis, "Predicting uniaxial compressive strength of serpentinites through physical, dynamic and mechanical properties using neural networks", ELSEVIER - Journal of Rock Mechanics and Geotechnical Engineering, Volume 13, Issue 1, February 2021, Pages 167-175. <https://doi.org/10.1016/j.jrmge.2020.10.001> [Link]

2020

67. Moshou, A.; Drakatos, G.; Moussas, V.; Argyrakis, P.; Konstantaras, A.; Christina Daverona, A.; Pantazis, D.; Sagias, N.C., "Spatio – Temporal Characteristics of the Aftershocks Sequences that followed the Strong Earthquakes in Ionian Islands, Greece", Preprints 2020, 2020090080 (doi: 10.20944/preprints202009.0080.v1). [[Link](#)]

2019

66. A. Andreatos, V. Moussas, "A Modular Intrusion Detection System Based on Artificial Neural Networks", International Journal of Neural Networks and Advanced Applications, ISSN: 2313-0563, Volume 6, 2019, p.32-38 [[Link](#)]
65. Moussas, V. C., Pantazis, D. N., and Panagiotis, A.: A DATABASE SYSTEM FOR SMART SUSTAINABLE ISLANDS INDEX APPLICATION, ISPRS Ann. Photogramm. Remote Sens. Spatial Inf. Sci., IV-4/W9, 87-93, <https://doi.org/10.5194/isprs-annals-IV-4-W9-87-2019>, 2019. [[Link](#)]
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