

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Δρ. ΒΑΣΙΛΕΙΟΥ Χ. ΜΟΥΣΑ

Αναπληρωτή Καθηγητή

του Τμήματος Πολιτικών Μηχ. ΤΕ και Μηχ. Τοπογραφίας & Γεωπληροφ. ΤΕ
της Σχολής Τεχνολογικών Εφαρμογών του Τ.Ε.Ι. Αθήνας
(2015)

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

- **JPIER**, Journal on Progress In Electromagnetics Research (2015 - σήμερα)
- **IJAV**, International Journal of Acoustics and Vibration (2015 - σήμερα)
- **IJIE**, International Journal of Information Engineering (2011 - σήμερα)
- **IET Radar, Sonar & Navigation** Journal (2010 - σήμερα)
- **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 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)

- 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/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).

Παράγων Α.Ε.

"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 I.T.Y. (1985)
- **Υποτροφία** I.K.Y. το 1984 κατόπιν διαγωνισμού (3ος /50)

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

ΑΚΑΔΗΜΑΪΚΑ/ΕΡΕΥΝΗΤΙΚΑ ΙΔΡΥΜΑΤΑ:

<i>Αναπληρωτής Καθηγητής</i>	(2013 - σήμερα)
Σ.Τ.Ε.Φ., Τμήμα Πολιτικών Μηχ.ΤΕ & Μηχ. Τοπογραφίας & Γεωπληροφορικής Τ.Ε.Ι. Αθηνών Γνωστικό Αντικείμενο: «Προγραμματισμός και Δικτύωση Ηλεκτρονικών Υπολογιστών με έμφαση στις Εφαρμογές Ελέγχου Υλικών»	
<i>Επίκουρος Καθηγητής</i>	(2005-2013)
Σ.Τ.Ε.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.Τ.Ε.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.

EMY, Βοηθός Εργαστηρίων (1984-1986)

Τμήμα Μηχανικών Ηλεκτρονικών Υπολογιστών & Πληροφορικής
Πανεπιστήμιο Πατρών & Ινστιτούτο Τεχνολογίας Υπολογιστών (Ι.Τ.Υ.)

ΙΔΙΩΤΙΚΕΣ ΕΤΑΙΡΕΙΕΣ:

Μηχανικός & Ερευνητής

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:

Τ.Ε.Ι. Αθηνών, Τμήμα Πολιτικών Έργων Υποδομής/Πολιτικών Μηχανικών & ΜΤΓ (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. 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

ΚΕΠΑ, 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 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 (2015)

ΒΙΒΛΙΑ

- B3. B. X. ΜΟΥΣΑΣ, (2016), "*Οικονομική και Τεχνική Βελτιστοποίηση Έργων Μηχανικού*", (220 σελ.), Εκδοτικός Όμιλος ΙΩΝ, Αθήνα.
- B2. B. X. ΜΟΥΣΑΣ, (2010), "*Βασική Χρήση & Προγραμματισμός του MATLAB 7*", (210 σελ. & CD), Εκδοτικός Όμιλος ΙΩΝ, Αθήνα, ISBN:978-960-411-671-3.
- B1. B. X. ΜΟΥΣΑΣ, (2006), "*Προγραμματισμός για Μηχανικούς με τη FORTRAN 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)

2015

56. V. MOUSSAS, D. N. Pantazis, P. Stratakis, "[Modeling Methodologies for Optimization and Decision Support on Coastal Transport Information System \(Co.Tr.I.S.\)](#)", WASET, International **Journal** of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:5, p:1066-1070, 2015.
55. V. MOUSSAS, D. N. Pantazis, P. Stratakis, E. Lazarou, E. Gkadolou, C. Karathanasis, and A.C. Daverona, "[Coastal Transport Information System \(Co.Tr.I.S.\): System and Subsystems Description](#)", Computational Science and Its Applications -- ICCSA 2015, Springer Switzerland, O. Gervasi et al. (Eds.), Part III, LNCS 9157, pp. 1-16, 2015. (BOOK Chapter) DOI: 10.1007/978-3-319-21470-2_43
- MOUSSAS V. C., "The Role of New ICTs in our Life: Smart Cities & Smart Homes", **Invited** Lecture presented in the Egaleo Municipality Open University, Greece, May 26 2015.
54. MOUSSAS V. C., "Evolutionary Optimization of Simulation Workflows for Product Design Processes", presented in the [4th International Conference on Quantitative and Qualitative Methodologies in the Economic and Administrative Sciences](#), Editor: C.C. Frangos, TEI of Athens, Greece, 21-22 May 2015.
53. MOUSSAS V. C., "The Multi-Model Partitioning theory: Current trends and selected applications", presented in the 3rd TTSAAMS International **Conference**, Editor: N. J. Daras, Hellenic Artillery School, Nea Peramos, Greece, 5-6 May 2015.

2014

52. MOUSSAS V., Tsahalís J., Tsahalís H.-T., "[Web-Based Simulation Workflow Optimization Algorithm Applied in Aeronautics: Manufacturing of Control Surfaces](#)", in Proceedings of the 6th IC-SCCE International **Conference**, Athens, 9-12 July, 2014, Vol II, p.545, Learning Foundation in Mechatronics (LFME), ISBN: 978-618-80527-4-1.
51. Tsahalís J., MOUSSAS V., Tsahalís H.-T., "[An Algorithm for Web-Based Distributed Heterogeneous Simulation Workflow Multi-Objective Optimization](#)", in Proceedings of the 6th IC-SCCE International **Conference**, Athens, 9-12 July, 2014, Vol I, p.40, Learning Foundation in Mechatronics (LFME), ISBN: 978-618-80527-3-4.

50. Tsahalis H.-T., Tsahalis J., MOUSSAS V., "[Development of a Smart Sustainability Optimizer \(SSO\) Algorithm for Complex Manufacturing Environments such as Factory Workshops](#)", in Proceedings of the 6th IC-SCCE International **Conference**, Athens, 9-12 July, 2014, Vol I, p.148, Learning Foundation in Mechatronics (LFME), ISBN: 978-618-80527-3-4.
49. Tsahalis D., MOUSSAS V., Tsahalis H.-T., "[Optimal Configuration of Wind Tunnel Acoustic Beam-forming Arrays for Noise Monitoring of Aircraft with Counter-Rotating Open-Rotors Using Genetic Algorithms](#)", in Proceedings of the 6th IC-SCCE International **Conference**, Athens, 9-12 July, 2014, Vol II, p.361, Learning Foundation in Mechatronics (LFME), ISBN: 978-618-80527-4-1.
48. Tsahalis J., MOUSSAS V., Tsahalis H.-T., "[Smart Sustainability Optimization \(SSO\) in Automotive Engine Component Manufacturing Line: Web-Based Triple-Bottom Line Optimization Facility \(PROPTIM\)](#)", in Proceedings of the 6th IC-SCCE International **Conference**, Athens, 9-12 July, 2014, Vol II, p.460, Learning Foundation in Mechatronics (LFME), ISBN: 978-618-80527-4-1.

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47. Gareth J. Bennett, John Kennedy, et al., Vassilios MOUSSAS, et al., "[WENEMOR: Wind Tunnel Tests for the Evaluation of the Installation Effects of Noise Emissions of an Open Rotor Advanced Regional Aircraft](#)", (AIAA 2013-2092), 19th AIAA/CEAS Aeroacoustics **Conference** (32nd AIAA Aeroacoustics Conference), American Institute of Aeronautics and Astronautics 2013, Berlin, Germany, 2013 May 27-29, (978-1-62410-213-4).
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