

ΓΕΩΡΓΙΟΣ Κ.Δ. ΣΑΧΑΡΙΔΗΣ

ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Διεύθυνση: Πανεπιστήμιο Θεσσαλίας,
Τμήμα Μηχανολόγων Μηχανικών,
Λεωφόρος Αθηνών, Πεδίον Άρεως,
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Τόπος και Ημερομηνία Γέννησης: Αθήνα, 01/01/1978

ΣΠΟΥΔΕΣ

Ιανουάριος 2003 – Νοέμβριος 2006

Ecole Centrale de Paris

Παρίσι, Γαλλία (ΕΕ)

Διδακτορική Διατριβή στον Τομέα Επιχειρησιακής Έρευνας & Διοίκησης
Παραγωγής: Βραχυπρόθεσμος & Μακροπρόθεσμος Προγραμματισμός
Παραγωγής.

Σεπτέμβριος 2001 – Σεπτέμβριος 2002

Ecole Centrale de Paris

Παρίσι, Γαλλία (ΕΕ)

Μεταπτυχιακές Σπουδές στον Τομέα Βιομηχανικής Μηχανικής &
Εφοδιαστικής.

Σεπτέμβριος 1999 – Φεβρουάριος 2000

University Paris Dauphine

Παρίσι, Γαλλία (ΕΕ)

Πρόγραμμα Ανταλλαγής Φοιτητών Erasmus

Σεπτέμβριος 1996 – Μάιος 2001

Πολυτεχνείο Κρήτης

Κρήτη, Ελλάδα (ΕΕ)

Δίπλωμα Μηχανικού Παραγωγής και Διοίκησης

ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ

Πανεπιστήμιο Θεσσαλίας

Βόλος, Ελλάδα (ΕΕ)

Επίκουρος, Τμήμα Μηχανολόγων Μηχανικών

Ιούλιος 2015 – έως σήμερα

Λέκτορας, Τμήμα Μηχανολόγων Μηχανικών

Δεκέμβριος 2013 – Ιούλιος 2015

Λέκτορας (συμβασιούχος ΠΔ 407/80), Τμήμα Μηχανολόγων Μηχανικών

Σεπτέμβριος 2010 – Δεκέμβριος 2013

Ερευνητικοί Τομείς:

- Επιχειρησιακή Έρευνα στη Βιομηχανική Διοίκηση
- Δρομολόγηση Οχημάτων
- Σχεδιασμός Δικτύων
- Υπολογισμός Ρύπων στις Μεταφορές και Αποτύπωση Άνθρακα
- Ανάπτυξη Δικτυακών Πλατφόρμων
- Μέθοδοι Μαθηματικής Αποσύνθεσης

- Ιεραρχικός Προγραμματισμός
- Προγραμματισμός Λιμένων

Συμβασιούχος Καθηγητής, Στρατιωτική Σχολή Ευελπίδων

Φεβρουάριος 2015-Μαίος 2015

- Διδάσκοντας (Συμβασιούχος) στο Διδρυματικό Διατμηματικό Πρόγραμμα Μεταπτυχιακών Σπουδών

Αθήνα, Ελλάδα (ΕΕ)

Ερευνητής, Κέντρο Προηγμένων Υποδομών και Μεταφορών, Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος, Rutgers, The State University of New Jersey

Νοέμβριος 2008 – Αύγουστος 2010

Ερευνητής, Τμήμα Χημικών και Βιοχημικών Μηχανικών

Ιανουάριος 2007 – Νοέμβριος 2008

Ερευνητικοί Τομείς:

- Επιχειρησιακή Έρευνα στη Βιομηχανική Διοίκηση
- Βραχυπρόθεσμος & Μακροπρόθεσμος Προγραμματισμός Παραγωγής
- Προγραμματισμός Αποθηκών Τύπου Cross-Docking
- Ανοικοδόμηση Κατεστραμμένων Περιοχών
- Βελτιστοποίηση & Διαχείριση Λιμένων
- Μαθηματικές Μέθοδοι Αποσύνθεσης
- Διαχείριση Εφοδιαστικής Αλυσίδας Διυλιστηρίων
- Μηχανική Διεργασιών

Piscataway, NJ (ΗΠΑ)

Μηχανικός Έρευνας και Ανάπτυξης, Πετρόλα-HELLAS

Ιανουάριος 2003 – Νοέμβριος 2006

Ερευνητικοί Τομείς:

- Ανάπτυξη Συστήματος Βελτιστοποίησης Προγραμματισμού Παραγωγής, Διαχείρισης και Διύλισης Αργού Πετρελαίου
- Βραχυπρόθεσμος και Μακροπρόθεσμος Προγραμματισμός Παραγωγής

Ασπρόπυργος, Ελλάδα (ΕΕ)

Μηχανουργός, Technomedica

Ιούνιος 2000 – Αύγουστος 2000

Τομέας:

- Εργαλειομηχανές Παραγωγής

Αθήνα, Ελλάδα (ΕΕ)

Δημόσια Επιχείρηση Ηλεκτρισμού

Ιούνιος 1999 – Αύγουστος 1999 & Ιούνιος 1998 – Αύγουστος 1998

Μηχανικός Παραγωγής

Τομέας:

- Οργάνωσης Παραγωγής

Αθήνα, Ελλάδα (ΕΕ)

Πανεπιστήμιο Θεσσαλίας

Βόλος, Ελλάδα (ΕΕ)

Ακαδημαϊκό Έτος 2014 - ως σήμερα

Επίκουρος Καθηγητής, Τμήμα Μηχανολόγων Μηχανικών

- Εφαρμογές Επιχειρησιακής Έρευνας
- Οργάνωση και Διοίκηση Εργοστασίων
- Ακέραιος Προγραμματισμός και Συνδυαστική Βελτιστοποίηση

Ακαδημαϊκό Έτος 2012-2014

Λέκτορας (συμβασιούχος ΠΔ 407/80), Τμήμα Μηχανολόγων Μηχανικών

- Εφαρμογές Επιχειρησιακής Έρευνας
- Οργάνωση και Διοίκηση Εργοστασίων
- Ακέραιος Προγραμματισμός και Συνδυαστική Βελτιστοποίηση

Ακαδημαϊκό Έτος 2011-2012

Λέκτορας (συμβασιούχος ΠΔ 407/80), Τμήμα Μηχανολόγων Μηχανικών

- Οργάνωση και Διοίκηση Εργοστασίων
- Ακέραιος Προγραμματισμός και Συνδυαστική Βελτιστοποίηση
- Χρονικός Προγραμματισμός Έργων

Ακαδημαϊκό Έτος 2010-2011

Λέκτορας (συμβασιούχος ΠΔ 407/80), Τμήμα Μηχανολόγων Μηχανικών

- Οργάνωση και Διοίκηση Εργοστασίων
- Οικονομικά για Μηχανικούς
- Εφαρμογές Επιχειρησιακής Έρευνας
- Στρατηγική Διοίκηση των Επιχειρήσεων

Rutgers, The State University of New Jersey

Piscataway, NJ (ΗΠΑ)

Ακαδημαϊκό Έτος 2008-2009

Λέκτορας (συμβασιούχος), Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος

- Προγραμματισμός και Διαχείριση Λιμένων

Ecole Centrale Paris

Παρίσι, Γαλλία (ΕΕ)

Ακαδημαϊκό Έτος 2005-2006

Βοηθός Καθηγητή (συμβασιούχος), Laboratoire Génie Industriel

- Προγραμματισμός Παραγωγής και Μαθηματικός Προγραμματισμός
- Διαχείριση Εφοδιαστικής Αλυσίδας

Πολυτεχνείο Κρήτης

Χανιά, Ελλάδα (ΕΕ)

Ακαδημαϊκό Έτος 2003-2004

Βοηθός Καθηγητή (συμβασιούχος Π.Δ. 407/80), Τμήμα Μηχανικών Παραγωγής και Διοίκησης

- Προγραμματισμός Παραγωγής
- Ασαφής Λογική

ΔΗΜΟΣΙΕΥΜΕΝΕΣ ΕΡΕΥΝΗΤΙΚΕΣ ΕΡΓΑΣΙΕΣ**Συνολικός Αριθμός Ετεροαναφορών: Scopus = 442 - Web of Knowledge = 365****(Χωρίς αυτοαναφορές - Ενημέρωση 16/07/2018)****h-index: Scopus = 12 - Web of knowledge = 11**

Δημοσιεύσεις:**Ετεροαναφορές:**

- SP1.** Saharidis G.K.D., Dallery Y. and Karaesmen F. "Centralized versus decentralized production planning" *RAIRO Operational Research* 2006; 40: 113-128. Scopus: **12** - Web of Knowledge: **11**
- SP2.** Saharidis G.K.D., Kouikoglou V. and Dallery Y. "Centralized and decentralized control policies for a two-stage stochastic supply chain with subcontracting" *International Journal of Production Economics* 2009; 117(1): 117-126. Scopus: **13** - Web of Knowledge: **14**
- SP3.** Foteinou P., Yang E., Saharidis G.K.D., Ierapetritou M.G. and Androulakis I.P. "A mixed-integer optimization framework for the synthesis and analysis of regulatory networks" *Journal of Global Optimization* 2009; 43(2-3): 263-276. Scopus: **5** - Web of Knowledge: **6**
- SP4.** Saharidis G.K.D. and Ierapetritou M.G. "Scheduling of loading and unloading of crude oil in a refinery with optimal mixture preparation" *Industrial and Engineering Chemistry Research* 2009; 48(5): 2624-2633. Scopus: **11** - Web of Knowledge: **14**
- SP5.** Saharidis G.K.D. and Ierapetritou M.G. "Resolution method for mixed integer bi-level linear problem based on decomposition technique" *Journal of Global Optimization* 2009; 44(1): 29-51. Scopus: **47** - Web of Knowledge: **44**
- SP6.** Saharidis G.K.D., Minoux M. and Dallery Y. "Scheduling of loading and unloading of crude oil in a refinery using event-based discrete time formulation" *Computer and Chemical Engineering* 2009; 33(8): 1413-1426. Scopus: **48** - Web of Knowledge: **39**
- SP7.** Golias M.M., Saharidis G.K.D., Boile M., Theofanis S. and Ierapetritou M.G. "The berth allocation problem: Optimizing vessel arrival time" *Maritime Economics and Logistics* 2009; 11(4): 358-377. Scopus: **42** - Web of Knowledge: **41**
- SP8.** Shah N., Saharidis G.K.D., Jia Z. and Ierapetritou M.G. "Centralized-decentralized optimization for refinery scheduling" *Computer and Chemical Engineering* 2009; 33(12): 2091-2105. Scopus: **23** - Web of Knowledge: **23**
- SP9.** Saharidis G.K.D., Golias M.M, Boile M., Theofanis S. and Ierapetritou M.G. "The berth scheduling problem with customer differentiation: A new methodological approach based on hierarchical optimization" *International Journal of Advanced Manufacturing Technology* 2010; 46(1-4): 377-393. Scopus: **10** - Web of Knowledge: **10**
- SP10.** Saharidis G.K.D., Minoux M. and Ierapetritou M.G. "Accelerating Benders method using covering cut bundle generation" *International Transaction in Operational Research* 2010; 17(2): 221-237. Scopus: **50** - Web of knowledge: **51**

- SP11.** Zhang T., **Saharidis G.K.D.**, Theofanis S. and Boile M. Scopus: 5 - Web of Knowledge: 5
 "Scheduling of inbound and outbound trucks at cross-docks: modeling and analysis" *Transportation Research Record: Journal of the Transportation Research Board* 2010; 2162: 9-16.
- SP12.** **Saharidis G.K.D.** and Ierapetritou M.G. Scopus: 35 - Web of Knowledge: 37
 "Improving Benders decomposition using maximum feasible subsystem (MFS) cut generation strategy" *Computers and Chemical Engineering* 2010; 34(8-9): 1237-1245.
- SP13.** **Saharidis G.K.D.**, Androulakis I.P. and Ierapetritou M.G. Scopus: 1 - Web of Knowledge: 1
 "Model building using bi-level optimization" *Journal of Global Optimization* 2011; 49(1): 49-67.
- SP14.** **Saharidis G.K.D.**, Boile M. and Theofanis S. Scopus: 24 - Web of Knowledge: 26
 "Initialization of the Benders master problem using valid inequalities applied to fixed-charge network problems" *Expert Systems With Applications* 2011; 38(6): 6627-6636.
- SP15.** Golias M.M., **Saharidis G.K.D.**, Boile M. and Theofanis S. Scopus: 6 - Web of Knowledge: Δ/A
 "Scheduling of inbound trucks at a cross-docking facility: bi-objective vs bi-level modeling approaches" *International Journal of Information Systems and Supply Chain Management*, 2012; 5(1): 20-37.
- SP16.** Karafa J., Golias M.M., Ivey S., **Saharidis G.K.D.** and Leonardos N. Scopus: 9 - Web of Knowledge: 6
 "The berth allocation problem with stochastic vessel handling times" *International Journal of Advanced Manufacturing Technology*, 2013; 65(1-4): 473-484.
- SP17.** **Saharidis G.K.D.** and Ierapetritou M.G. Scopus: 8 - Web of Knowledge: 8
 "Speed-up Benders decomposition using maximization density cut (MDC) generation" *Annals of Operations Research*, 2013; 210(1): 101-123.
- SP18.** Tang L., Jiang W. and **Saharidis G.K.D.** Scopus: 22 - Web of Knowledge: 19
 "An improved Benders decomposition algorithm for the logistics network design problem with capacity expansions of existing warehouses" *Annals of Operations Research*, 2013; 210(1): 165-190.
- SP19.** Azad N., **Saharidis G.K.D.**, Davoudpour H., Malekly H. and Yektamaram S.A. Scopus 30 - Web of Knowledge: 19
 "Strategies for protecting supply chain networks against facility and transportation disruptions: An improved Benders decomposition approach" *Annals of Operations Research*, 2013; 210(1): 125-163.
- SP20.** Azad N., Davoudpour H., **Saharidis G.K.D.** and Shiripour M. Scopus: 14 - Web of Knowledge: 11
 "A new model to mitigating random disruption risks of facility and transportation in supply chain network design" *International Journal of Advanced Manufacturing Technology*, 2014; 70: 1757-1774.
- SP21.** Golias M.M., **Saharidis G.K.D.**, Ivey S., Haralambides H.E. and Ji K. Scopus: 6 - Web of Knowledge: Δ/A
 "Advances in truck scheduling at a cross-dock facility" *International Journal of Information Systems and Supply Chain Management*, 6(3): 40-62, 2013.
- SP22.** **Saharidis G.K.D.**, Dimitropoulos C. and Skordilis E. Scopus: 8 - Web of Knowledge: 8
 "Minimizing waiting times at transitional nodes for public bus

transportation in Greece" Operational Research: An International Journal, 14(3): 341-359, 2014.

- SP23.** Saharidis G.K.D., Kolomvos G., Liberopoulos G. "Modeling and Solution Approach for the Environmental Traveling Salesman Problem" Engineering Letters, 22(2): 70-74, 2014. Scopus: 1 - Web of Knowledge: Δ/A
- SP24.** Saharidis G.K.D. "Review of solution approaches for the symmetric traveling salesman problem" International Journal of Information Systems and Supply Chain Management, 7(1), 2014. Scopus: 2 - Web of Knowledge: Δ/A
- SP25.** Saharidis G.K.D. " Environmental Externalities Score: a new emission factor to model green vehicle routing problem" Energy Systems, 8(4):673-691, 2017. Scopus: 2 - Web of Knowledge: 2
- SP26** Konstantzos G.E., Saharidis G.K.D., Loizidou M. "Development of a model for assessing Greenhouse Gas emissions from terminal and drayage operations" Operational Research: An International Journal, 17: 807-819, 2017. Scopus: Δ/A - Web of Knowledge: 0
- SP27.** Kolomvos G. & Saharidis G.K.D. "Accelerating techniques on nested decomposition" Optimization Methods and Software, 32(3): 455-469, 2017. Scopus: Δ/A - Web of Knowledge: 0

Οι παρακάτω εργασίες έχουν γίνει δεκτές για δημοσίευση αλλά δεν εμφανίζονται στο Scopus και στο Web of Knowledge:

- SP28** Saharidis, G.K.D., Rizopoulos, D., Fragkogios, A. & Chatzigeorgiou, C. "A hybrid approach to the problem of journey planning with the use of mathematical programming and modern techniques" Transportation Research Procedia, 24: 401-409, 2017. Δ/A
- SP29** Fakhri A., Mehdi G., Fragkogios A., & Saharidis G.K.D., "Benders Decomposition with integer subproblems", Expert Systems With Applications, 89:20-30, 2017. Δ/A
- SP30** Zissis D., Saharidis G.K.D., Aktas E., & Iaoannou G., "Emission reduction via supply chain coordination", Transportation Research Part D: Transport and Environment, 62:36-46, 2018. Δ/A
- SP31** Saharidis G.K.D, & Konstantzos G.E. "Critical overview of emission calculation models in order to evaluate their potential use in estimation of Greenhouse Gas emissions from in port truck operations" Journal of Cleaner Production 185: 1024-1031, 2018. Δ/A

ΕΡΕΥΝΗΤΙΚΕΣ ΕΡΓΑΣΙΕΣ ΥΠΟ ΚΡΙΣΗ

SPR1. Δ/A

ΕΡΕΥΝΗΤΙΚΕΣ ΕΡΓΑΣΙΕΣ ΥΠΟ ΠΡΟΕΤΟΙΜΑΣΙΑ

- SPP1.** Saharidis G.K.D. and Kolomvos G. "Improvements in the exact solution method for the travel salesman problem".
- SPP2.** Saharidis G.K.D. "Review paper on Benders decomposition and its application in engineering".
- SPP3.** Saharidis G.K.D., Kolomvos G. and Golias M.M. "Discrete time formulation for the assignment problem applied in cross docking facilities".
- SPP4.** Fragogios A., & Saharidis G.K.D. "Acceleration Benders Decomposition"
- SPP5.** Rizopoulos D., & Saharidis G.K.D. "Timetable synchronisation"

ΚΕΦΑΛΑΙΑ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΑ ΔΟΚΙΜΙΑ

- BC1.** Saharidis G.K.D. "Centralized-Decentralized optimization of the Supply Chain" In Supply Chain Coordination and Management book, 2011 INTECH publisher ISBN 978-9-53307-184-8.
- BC2.** Karafa J., Golias M.M., Ivey S., Saharidis G.K.D. and Leonardos N. "Scheduling at a cross dock facility with stochastic truck arrival times". In: Ed. Khodr H.M, Scheduling Problems and Solutions. Nova Publishing, 2011 ISBN 978-1-61470-689-2.
- BC3.** Saharidis G.K.D., Conejo A.J. and Kozanidis G. "Exact Solution Methodologies for Linear and (Mixed) Integer Bilevel Programming". Metaheuristics for Bi-level Optimization, Studies in Computational Intelligence, Springer, 2013, 482:221-245 (Scopus: 6 - Web of Knowledge: Δ/Α).
- BC4.** Saharidis G.K.D. (2012) "Benders Decomposition". Encyclopedia of Business Analytics and Optimization. IGI Global publisher, 2014, 292-303, ISBN13: 9781466652026 | ISBN10: 1466652020 | EISBN13: 9781466652033 | DOI: 10.4018/978-1-4666-5202-6.
- BC5.** Kostarelou E. and Saharidis G.K.D. (2012) "Centralize vs Decentralize Supply Chain Analysis". Encyclopedia of Business Analytics and Optimization. IGI Global publisher, 2014, 229-240, ISBN13: 9781466652026 | ISBN10: 1466652020 | EISBN13: 9781466652033 | DOI: 10.4018/978-1-4666-5202-6.
- BC6.** Fragkogios A., Saharidis G. K.D., "Latest Advances on Benders Decomposition", Encyclopedia of Information Science and Technology, Fourth Edition, IGI Global, p. 5411-5421, 2018, DOI: 10.4018/978-1-5225-2255-3.ch470
- BC7.** Fragkogios A., Saharidis G. K.D., "Modeling and Solution Approaches for Crude Oil Scheduling in a Refinery", Energy Management-Collective and Computational Intelligence with Theory and Applications, Springer, Studies in Systems, Decision and Control, Vol. 149, p. 251-275, 2018.

ΕΠΙΣΤΗΜΟΝΙΚΟ ΔΟΚΙΜΙΟ ΥΠΟ ΠΡΟΕΤΟΙΜΑΣΙΑ

- SBP1.** Saharidis G.K.D. "Bender Decomposition".

ΒΡΑΒΕΙΑ & ΔΙΑΚΡΙΣΕΙΣ

- GA1.** Ετήσιο βραβείο πανεπιστημιακής διδασκαλίας (ακαδημαϊκό έτος 2011-2012) για το μάθημα Ακέραιος Προγραμματισμός & Συνδυαστική Βελτιστοποίηση με μέση βαθμολογία συνολικού αποτελέσματος 4,83/5.
Πανεπιστήμιο Θεσσαλίας – Τμήμα Μηχανολόγων Μηχανικών.
- GA2.** Μεταδιδακτορική έρευνα στα πλαίσια του ελληνικού επιχειρησιακού προγράμματος «εκπαίδευση & δια βίου μάθηση», από την γενική γραμματεία έρευνας και τεχνολογίας για την δράση εθνικής

εμβέλεια «ενίσχυση μεταδιδακτορικών ερευνητών/τριών». Ο τίτλος της έρευνας ήταν «Περιβαλλοντική Φιλική Δρομολόγηση Οχημάτων» με συνολικού προϋπολογισμό 150.000 Ευρώ.
Πανεπιστήμιο Θεσσαλίας – Τμήμα Μηχανολόγων Μηχανικών.

- GA3.** Μεταδιδακτορική έρευνα στα πλαίσια του Ευρωπαϊκού προγράμματος «Marie Curie Career Integration Grants (CIG), FP7 People Marie Curie Actions» για την δράση ενσωμάτωσης ευρωπαϊών ερευνητών σε χώρα της Ευρωπαϊκή Ένωση από τρίτες χώρες. Ο τίτλος της έρευνας ήταν «GreenRoute: A web based platform which help individuals and companies move commodities with the most environmental friendly way, minimizing emissions and transport costs» με συνολικού προϋπολογισμό 75.000 Ευρώ.
Πανεπιστήμιο Θεσσαλίας – Τμήμα Μηχανολόγων Μηχανικών.
- GA4.** Καλύτερο επιστημονικό άρθρο στην κατηγορία Industrial Engineering στο διεθνές συνέδριο International Conference on Industrial Engineering and System Management 2009, Montreal, Canada. Ο τίτλος του άρθρου ήταν «Scheduling Inbound Trucks at a Cross-Docking Facility: A Multi-objective and a Hierarchical Approach».

ΕΠΙΣΤΗΜΟΝΙΚΟΣ ΥΠΕΘΥΝΟΣ ΕΡΕΥΝΗΤΙΚΩΝ ΠΡΟΓΡΑΜΜΑΤΩΝ

- PC1.** Life programme (LIFE14 ENV/GR/000611) “Life GreenYourMove: Development and promotion of a co-modal journey planning platform to minimize GHG emission in Europe”.
Προϋπολογισμός: 1,245,052 Ευρώ.
Από 15/09/2015 – 14/02/2019.
- PC2.** Life programme (LIFE17 ENV/GR/000215) “LIFE GreenYourRoute: A European innovative logistic platform for last mile delivery of goods in urban environment”.
Προϋπολογισμός: 2,191,237 Ευρώ.
Από 01/09/2018 – 28/02/2022.
- PC3.** Ιδιωτικό έργο “Ανάπτυξη Έρευνας και Τεχνολογικής Ανάπτυξης για τη δημιουργία ενός πιλοτικού ευφούς προγράμματος ταξιδιών”.
Προϋπολογισμός: 3,500 Ευρώ.
Από 01/07/2015 – 31/12/2017.
- PC4.** Ιδιωτικό έργο “Ανάπτυξη πληροφοριακού συστήματος”.
Προϋπολογισμός: 37,200 Ευρώ.
Από 06/10/2015 – 31/12/2018.
- PC5.** Ιδιωτικό έργο “Υλοποίηση διακομιστή για τα Αστικά ΚΤΕΛ Βόλου Α.Ε. ”.
Προϋπολογισμός: 18,600 Ευρώ.
Από 15/01/2018 – 14/01/2020.

ΣΥΜΜΕΤΟΧΕΣ ΣΕ ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

- PP1.** NSF (CBET 0625515) funded project on "Systematic Mathematical Strategies for Stochastic Modeling and Uncertainty in Production Planning and Scheduling" working on developing efficient decomposition-based solution procedures for the solution of stochastic planning and scheduling problems of chemical plants.
Ερευνητής - Rutgers University – Τμήμα Χημικών και Βιοχημικών Μηχανικών.
- PP2.** NSF funded ERC (NSF-ECC 0540855) (Engineering Research Center for Structured Organic Particulate Systems) working on developing "The methodologies for efficient optimization of integrated manufacturing systems with main applications on pharmaceutical industry".
Ερευνητής - Rutgers University – Τμήμα Χημικών και Βιοχημικών Μηχανικών.
- PP3.** USEPA-funded Environmental Bioinformatics and Computational Toxicology Center (GAD R 832721-010) working on developing "Modeling and optimization framework for the synthesis and analysis of regulatory networks related to toxicological effects of toxins on liver".

Ερευνητής - Rutgers University – Τμήμα Χημικών και Βιοχημικών Μηχανικών.

PP4. New York Metropolitan Transportation Council (NYMTC) funded project (Z-04-01) on "Best Practice Model Support Project Evaluation and Testing of Regional Models-Phase I". The goal of this project was to assist NYMTC to develop, test, revise, and use regional transportation models in support of its planning and public policy activities.

Ερευνητής - Rutgers University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος - Κέντρο Προηγμένων Υποδομών και Μεταφορών.

PP5. NYMTC funded project (AN 428490) on "Feasibility of Freight Villages in the NYMTC Region". The proposed project seeks to determine the feasibility of developing freight villages in the NYMTC region and to determine how or if they would mitigate the deficiencies challenging their development.

Ερευνητής - Rutgers University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος - Κέντρο Προηγμένων Υποδομών και Μεταφορών.

PP6. NSF funded project (NSF-6484626) on "Partnership to Maximize Port Industry Performance". The goal of this project is the improvement of freight movements, reduction of traffic congestion, an increase in the competitiveness of the New York-New Jersey Port and, thereby, improvement of the overall regional economy.

Ερευνητής - Rutgers University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος - Κέντρο Προηγμένων Υποδομών και Μεταφορών.

PP7. IFTI-G1: A GIS Framework for the Evaluation of Truck Restrictions on State Highways. The purpose of this project is to propose a geographic information system (GIS) framework that may assist in the evaluation of truck related accident risk on state highways.

Εξωτερικός Συνεργάτης - Memphis University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος – Κέντρο Μελετών Εμπορευματικών Μεταφορών.

PP8. IFTI-G2: Variability of travel times on Tennessee highways. The purpose of this project is to survey and evaluate existing truck related accident risk minimization models, combined with static traffic assignment models relating the accident risk and the performance measures of the highways for freight transportation at the macro-level.

Εξωτερικός Συνεργάτης - Memphis University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος – Κέντρο Μελετών Εμπορευματικών Μεταφορών.

PP9. IFTI-G3: Real time data information for truck drayage operations: Proof-of-Concept. The purpose of this project is to survey and evaluate truck drayage operations.

Εξωτερικός Συνεργάτης - Memphis University – Τμήμα Πολιτικών Μηχανικών και Περιβάλλοντος – Κέντρο Μελετών Εμπορευματικών Μεταφορών.

PP10. General Secretary of Research and Technology of Greece. COMPETE - Development of an optimization-based simulation platform for modeling and analysis of freight transport operations through marine container terminals, with the objective of improving productivity and measuring environmental and economic implications. The project aims to develop the necessary tools to be used by stakeholders in freight transportation and terminal operations, including policy and decision makers on freight transport related issues, which will enable them to analyse and evaluate proposed improvements and assess their potential to improve port and port drayage operations, addressing economic, environmental and quality of life issues.

Εξωτερικός Συνεργάτης – Ελληνικό Ινστιτούτου Μεταφορών.

PP11. General Secretary of Research and Technology of Greece. ODYSSEAS - A Holistic approach for managing variability in contemporary global supply chain networks. The proposed research project aims to study the phenomenon of supply chain variability, identify the physical points of its creation, analyze its causes and evaluate its negative impact on supply chain performance.

Εξωτερικός Συνεργάτης – Πανεπιστήμιο Θεσσαλίας – Τμήμα Μηχανολόγων Μηχανικών.

- CP1. **Saharidis G.K.D.** and Ierapetritou M.G. "Decomposition method for the mixed integer bi-level linear problem" INFORMS, 2007, November 4th-7th, Washington, Seattle, USA.
- CP2. **Saharidis G.K.D.** and Ierapetritou M.G. "Cross validation-Decomposition method for the mixed integer bi-level linear problem" AIChE 2007, November 4th-9th, Salk Lake City, Utah, USA.
- CP3. **Saharidis G.K.D.**, Minoux M. and Ierapetritou M.G. "Accelerate Benders algorithm producing high density cuts" MOSIM 2008, March 31st – April 2nd, Paris, France.
- CP4. **Saharidis G.K.D.**, Jia Z., Shah N. and Ierapetritou M.G. "Centralized versus decentralized optimization for refinery planning and scheduling" FOCAPO 2008, June 29th - July 2nd, Boston, Massachusetts, USA.
- CP5. **Saharidis G.K.D.** and Ierapetritou M. "Decomposition methods applied in refinery scheduling" INFORMS 2008, October 12th-15th, Washington D.C., USA.
- CP6. **Saharidis G.K.D.**, Boile M., Golias M., Ierapetritou M. and Theofanis S. "The Multi-objective berth scheduling problem with customer differentiation: Single-level vs bi-level" INFORMS 2008, October 12th-15th, Washington D.C., USA.
- CP7. **Saharidis G.K.D.**, Shah N., Jia Z. and Ierapetritou M.G. "Centralized versus decentralized optimization for refinery scheduling" AIChE 2008, November 16th-21st, Pennsylvania, Philadelphia, USA.
- CP8. Golias M., **Saharidis G.K.D.**, Boile M., Theofanis S. and Zhang T. "Scheduling inbound trucks at a cross-docking facility: A Multi-objective and a hierarchical approach" International Conference on Industrial Engineering and System Management 2009, Mai 13th-15th, Montreal, Canada.
- CP9. Leonardos N., Golias M. and **Saharidis G.K.D.** "A New heuristic solution approach for the bi-level problem" INFORMS 2009, October 11th-14th, San Diego, California, USA.
- CP10. **Saharidis G.K.D.**, Ierapetritou M.G. and Minoux M. "Accelerate Benders method using multiple constraints generation" INFORMS 2009, October 11th-14th, San Diego, California, USA (Προσκεκλημένος Ομιλητής).
- CP11. **Saharidis G.K.D.**, Boile M. and Theofanis S. "New mathematical formulations for the scheduling of inbound trucks at a cross-docking facility" INFORMS 2009, October 11th-14th, San Diego, California, USA.
- CP12. Golias M. and **Saharidis G.K.D.** "Solving hierarchical problems via multi-objective optimization" INFORMS 2009, October 11th-14th, San Diego, California, USA.
- CP13. Golias M., **Saharidis G.K.D.**, Zhang T., Boile M. and Theofanis S. "Modeling and analysis of door layouts at cross-dock facilities" 3rd METRANS National Urban Freight Conference 2009, October 21st-23rd, Long Beach, California, USA.
- CP14. Golias M.M, Ivey S, Haralambides H.E. and **Saharidis G.K.D.** "Maximizing throughput and minimizing tardiness and earliness at a cross dock facility: A bi-objective formulation" 89th Annual Meeting of the Transportation Research Board (TRB) 2010, January 10th-14th, Washington D.C., USA.
- CP15. Zhang T., **Saharidis G.K.D.**, Theofanis S. and Boile M. "Scheduling of inbound and outbound trucks at cross-docks: Multiobjective approach" 89th Annual Meeting of the Transportation Research Board (TRB) 2010, January 10th-14th, Washington D.C., USA.
- CP16. **Saharidis G.K.D.**, M.M. Golias, M. Boile, S. Theofanis "Optimizing seaside operations at dedicated marine container terminals: The limited berth capacity case" EURO XXIV 2010, July 11th-14th, Lisbon, Portugal, EU.

- CP17. **Saharidis G.K.D.**, Golias M.M, Theofanis S. and Boile M. "New formulation for the assignment of inbound truck in cross docking facilities" International Conference on Transportation Research 2010, September 27th-28th, Volos, Greece.
- CP18. **Saharidis G.K.D.** and Golias M.M. "Discrete time formulation for the assignment problem applied in cross docking facilities" INFORMS 2010, November 7th-10th, Austin, Texas, USA (Προσκεκλημένος Ομιλητής).
- CP19. **Saharidis G.K.D.**, Jiang W. and Tang L. "The logistics network design problem with capacity expansions of existing warehouses" INFORMS 2010, November 7th-10th, Austin, Texas, USA (Προσκεκλημένος Ομιλητής).
- CP20. Kolomvos G., Golias M., Ivey S. and **Saharidis G.K.D.** "Berth scheduling at marine container terminals under uncertainty" INFORMS 2010, November 7th-10th, Austin, Texas, USA.
- CP21. Karafa J., Kolomvos G., Golias M. M. and **Saharidis G.K.D.** "Truck scheduling at a cross-dock facility: Accounting for travel time variability" INFORMS 2010, November 7th-10th, Austin, Texas, USA.
- CP22. Karafa J., Golias M.M., Ivey S., **Saharidis G.K.D.** and Leonardos N. "Berth scheduling at dedicated marine container terminals: Limited berth capacity case (11-1554)" 90th Annual Meeting of the Transportation Research Board (TRB) 2011, January 23rd-27th, Washington D.C., USA.
- CP23. Golias M.M., **Saharidis G.K.D.**, Ivey S. and Lipinski M.E. "Risk averse truck scheduling at a cross-dock facility" 90th Annual Meeting of the Transportation Research Board (TRB) 2011, January 23rd-27th, Washington D.C., USA.
- CP24. Golias M.M., **Saharidis G.K.D.**, Ivey S. and Lipinski M.E. "Risk-averse truck scheduling at cross-dock facility (11-3328)" 90th Annual Meeting of the Transportation Research Board (TRB) 2011, January 23rd-27th, Washington D.C., USA.
- CP25. **Saharidis G.K.D.**, Golias M.M. and Zhang T. "Discrete time formulation for the assignment problem applied in cross docking facilities" 91st Annual Meeting of the Transportation Research Board (TRB) 2012, January 22nd-26th, Washington D.C., USA.
- CP26. Golias M.M., **Saharidis G.K.D.**, Ivey S. and Lipinski M.E. "Scheduling inbound trucks at a cross-dock facility under truck arrival uncertainty" 91st Annual Meeting of the Transportation Research Board (TRB) 2012, January 22nd-26th, Washington D.C., USA.
- CP27. **Saharidis G.K.D.**, Bellas I., Tsaperlis A. and Golias M.M "Comparison of different mathematical formulation and heuristic approaches for the solid waste collection problem in residential areas" International Conference of Solid Waste Management ATHENS 2012, June 28th-29th, Greece, EU.
- CP28. Naimi A., Golias M.M. and **Saharidis G.K.D.** "Discrete vs continuous time formulation for the two dimension assignment problem" INFORMS 2012, October 14th-17th, Phoenix Arizona, USA.
- CP29. **Saharidis G.K.D.** and Liberopoulos G. "Environmental vehicle routing problem" INFORMS 2012, October 14th-17th, Phoenix Arizona, USA.
- CP30. Azad N., Golias M., Malekly H. and **Saharidis G.K.D.** "Improvements on Benders decomposition algorithm" INFORMS 2012, October 14th-17th, Phoenix Arizona, USA.
- CP31. **Saharidis G.K.D.**, Dimitropoulos C. and Skordilis E. "Minimizing waiting times at transitional nodes for public bus transportation in Greece" 92nd Annual Meeting of the Transportation Research Board (TRB) 2013, January 13th-17th, Washington D.C., USA.
- CP32. **Saharidis G.K.D.** and Liberopoulos G. "Environmental vehicle routing problem (VRP)" 26th European Conference on Operational Research 2013, July 1st -4th, Rome, Italy, EU.
- CP33. Kostarelou E., **Saharidis G.K.D.** and Liberopoulos G. "Centralized versus decentralized supply chain" 26th European Conference on Operational Research 2013, July 1st-4th, Rome, Italy, EU.
- CP34. **Saharidis G.K.D.**, Fragkogios A. and Zygouri E. "A multi-periodic optimization modeling approach for the establishment of a bike-sharing network: a case-study of the city of Athens" 2nd International

Symposium and 24th National Conference on Operational Research 2013, September 26th-28th, Athens, Greece, EU.

- CP35. Kolomvos G., **Saharidis G.K.D.** and Liberopoulos G. "Different formulations and Benders decomposition on TSP" 2nd International Symposium and 24th National Conference on Operational Research 2013, September 26th-28th, Athens, Greece, EU.
- CP36. Kostarelou E., **Saharidis G. K. D.**, Liberopoulos G. and Pandelis D. "Centralized vs decentralized decomposition of supply chain using bi-level schema" 2nd International Symposium and 24th National Conference on Operational Research 2013, September 26th-28th, Athens, Greece, EU.
- CP37. **Saharidis G.K.D.** and Liberopoulos G. "Environmental vehicle routing problem" 2nd International Symposium and 24th National Conference on Operational Research 2013, September 26th-28th, Athens, Greece, EU.
- CP38. Konstantzos G. E., **Saharidis G.K.D.**, Loizidou M., Kolomvos G., Tsoukala V. and Bourousian M. "Development of an objective function for the minimisation of Greenhouse Gas (GHG) emissions from in port truck operations" 2nd International Symposium and 24th National Conference on Operational Research 2013, September 26th-28th, Athens, Greece, EU.
- CP39. **Saharidis G.K.D.**, Kolomvos G. and Liberopoulos G. "GreenRoute platform" INFORMS 2013, October 6th-9th, Minneapolis, Minnesota, USA.
- CP40. Kolomvos G., Golias M.M., Liberopoulos G. and **Saharidis G.K.D.** "Solution approach for the traveling salesman problem" INFORMS 2013, October 6th-9th, Minneapolis, Minnesota, USA.
- CP41. Kolomvos G., **Saharidis G.K.D.** and Golias M.M. "Improvements in Exact Solution Method for Traveling Salesman Problem" 93rd Annual Meeting of the Transportation Research Board (TRB) 2014, January 12th-16th, Washington D.C., USA.
- CP42. **Saharidis G.K.D.** and Liberopoulos G. "Modeling and Solution Approach for the Environmental Traveling Salesman Problem" IMECS 2014, March 12th-14th, Hong-Kong.
- CP43. Fragogios A., Zigouri E. and **Saharidis G.K.D.** "A Multi-periodic Optimization Modeling Approach for the Establishment of a Bike Sharing Network: a Case Study of the City of Athens" IMECS 2014, March 12th-14th, Hong-Kong.
- CP44. **Saharidis G.K.D.**, Kolomvos G. and Liberopoulos G. "Modeling and Solution Approach for the Environmental Traveling Salesman Problem" TRA 2014, April 14th-17th, Paris, France.
- CP45. Konstantzos G., **Saharidis G.K.D.**, Loizidou M. and Kolomvos G. " Development of a prototype model for assessing Greenhouse Gas (GHG) emissions from terminal and drayage operations" Transportation Research Arena (TRA) 2014, April 14th-17th, Paris, France.
- CP46. **Saharidis G.K.D.**, Kolomvos G., Liberopoulos G. "Modeling and Solution Approach for the Environmental Traveling Salesman Problem" Second International Conference on Information Technology and Quantitative Management (ITQM 2014) 2014, June 3rd-5th, Moscow, Russia.
- CP47. **Saharidis G.K.D.**, Liberopoulos G., Kolomvos G. "Modeling and Solution Approach for the Environmental Traveling Salesman Problem" 20th Conference of the International Federation of Operational Research Societies (IFORS 2014), July 13th - 18th, Barcelona, Spain.
- CP48. Konstantzos G., Emmanouilidis G., Mpizas L., Tsoutsanis N, Moza Z., Pechak O., **Saharidis G.K.D.** "FindMyWay: A prototype web-based platform for journey planning in Athens city, Volos city and Crete island" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP49. Mpizas L., Tsoutsanis N, Moza Z., Pechak O., Pantelis D., **Saharidis G.K.D.** "Touristic Guide: A prototype software for touristic journey planning" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP50. Spathis V., Forlidas I., Skordilis E., **Saharidis G.K.D.** "Inspection of power grid by periodic vehicle routing formulation" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP51. Zygouri E., Fragkogios A., **Saharidis G.K.D.**, Mavrotas G. "An optimization modeling approach for the establishment of a bike-sharing network using Monte Carlo simulation and stochastic demand: a

case-study of the city of Athens"3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.

- CP52 Saharidis G.K.D.** "GreenYourRoute platform" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP53 Dimitropoulos Ch., Skordilis E., Saharidis G.K.D.** "Reducing waiting time at intermediate nodes for intercity bus transportation" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP54 Konstantzos G., Saharidis G.K.D., Kolomvos G., Loizidou M.** "Development of a software developed for assessing Greenhouse Gas (GHG) emissions from terminal and drayage operations" 3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP55 Liberopoulos G., Pandelis D., Kozanidis G., Saharidis G.K.D.** "Development of optimization models for addressing various decision and information related issues in supply chain planning"3rd International Symposium and 25th National Conference on Operational Research 2014, June 26th-28th, Volos, Greece, EU.
- CP56 Saharidis G.K.D., Liberopoulos G., Kolomvos G.** "GreenRoute: A web based platform which help individuals and companies move commodities with the most environmental friendly way, minimizing emissions and transportation cost" XVII Latin-Iberian-American Conference on Operations Research (CLAIO 2014), October 6th - 10th, Monterrey, Mexico.
- CP57 Saharidis G.K.D.** "GreenRoute: A web based platform which help individuals and companies move commodities with the most environmental friendly way, minimizing emissions and transportation cost" ITS and Smart Cities 2014, November 19th - 22th, Patra, Greece.
- CP58 Saharidis G.K.D., Kolomvos G., Liberopoulos G.** "GreenRoute: A web based platform which help individuals and companies move commodities with the most environmental friendly way, minimizing emissions and transportation cost" International Conference on Traffic and Transport engineering (ICTTE), November 27th - 28th, 2015, Belgrade, Serbia.
- CP59 Fragogios A., & Saharidis G.K.D.** "Benders Decomposition with integer subproblem" 3rd International Conference on Energy Sustainability and Climate Change ESCC 2015, July 10-16, 2016, Athens, Greece.
- CP60 Rizopoulos D., & Saharidis G.K.D.** "Journey Planning Problem" 3rd International Conference on Energy Sustainability and Climate Change ESCC 2015, July 10-16, 2016, Athens, Greece.
- CP61 Saharidis G.K.D.** "LIFE GreenYourMove project - GTFS data in Greece" 4th International Conference on "Energy, Sustainability and Climate Change, ESCC 2017 Santorini, Greece, June 12-16, 2017.
- CP62 Fragogios A., & Saharidis G.K.D.** "Applying Benders Decomposition" 4th International Conference on "Energy, Sustainability and Climate Change, ESCC 2017 Santorini, Greece, June 12-16, 2017.
- CP63 Kastori G.-E., Papadimitriou G., Katsis P., Kouridis Ch., & Saharidis G.K.D.** "Co-modal Emission Calculation and Inventory Methodology" 5th International Conference on "Energy, Sustainability and Climate Change" ESCC 2018, Mykonos, Greece, June 4-8, 2018.
- CP64 Rizopoulos D. & Saharidis G.K.D.** "Timetable Synchronization of Public Transport" 5th International Conference on "Energy, Sustainability and Climate Change" ESCC 2018, Mykonos, Greece, June 4-8, 2018.
- CP65 Fragkogios A. & Saharidis G.K.D.** "An Accelerated Benders Decomposition Method Applied on Crude Oil Scheduling" 5th International Conference on "Energy, Sustainability and Climate Change" ESCC 2018, Mykonos, Greece, June 4-8, 2018.

2008 ως σήμερα - Μέλος της συντακτικής επιτροπής και κριτής στο ερευνητικό επιστημονικό περιοδικό: *International Journal of Information Systems and Supply Chain Management*.

2008 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Computer and Chemical Engineering*.

2008 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *International Journal of Advanced Manufacturing Technology*.

2008 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *International Journal of Production Economics*.

2009 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Annals of Operations Research*.

2009 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Journal of Global Optimization*.

2009 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *International Journal of Operations Research and Information Systems*.

2009 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Operations Research: An international Journal*.

2010 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Computers & Operations Research*.

2011 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Journal of Natural Gas Science & Engineering*.

2018 ως σήμερα - Κριτής στο ερευνητικό επιστημονικό περιοδικό: *Energy, Ecology and Environment*.

Προσκεκλημένος συντάκτης ειδικής εκδόσεις των παρακάτω περιοδικών σε θέμα:

SV1. Benders decomposition applied in Engineering: *Annals of Operations Research November 2013, Volume 210, Issue 1*.

SV2. Hierarchical Optimization and its application in Engineering: *Computers & Operations Research, January 2014, Volume 41*.

SV3. Operation Research and its Application in Transportation: *International Journal of Operations Research and Information Systems January 2014, Volume 7, Issue 1*.

SV4. Operational Research in Energy and Environment: *Operational Research: An International Journal October 2017, Volume 17, Issue 3*.

SV5. Operational Research on the Interrelated Application Areas of Energy, Transportation and the Environment: *Energy Systems November 2017, Volume 8, Issue 4*.

SV6. Energy, Sustainability and Climate Change in Transportation: *Energy Systems (Ανοικτό)*.

SV7. Optimization of Electrical Energy Systems: *Energy Systems (Ανοικτό)*.

SV8. Energy, Sustainability and Climate Change: *Energy, Ecology and Environment (Ανοικτό)*.

ΟΡΓΑΝΩΣΗ & ΠΡΟΕΔΡΕΙΑ ΕΠΙΣΤΗΜΟΝΙΚΩΝ ΣΥΝΕΔΡΙΩΝ

CO1. Πρόεδρος και μέλος της οργανωτικής επιτροπής του 3rd International Symposium and 25th National Conference on Operational Research Ιούνιος 2014, Βόλος, Ελλάδα.

CO2. Πρόεδρος και μέλος της οργανωτικής επιτροπής του 2nd International Conference on Energy Sustainability and Climate Change ESCC 2015, June 21-27, 2015, Κολυμπάρι, Ελλάδα.

CO3. Πρόεδρος και μέλος της οργανωτικής επιτροπής του 3rd International Conference on Energy Sustainability and Climate Change ESCC 2015, July 10-16, 2016, Αθήνα, Ελλάδα.

CO4. Πρόεδρος και μέλος της οργανωτικής επιτροπής του 4th International Conference on Energy Sustainability and Climate Change ESCC 2015, June 12-16, 2017, Σαντορίνη, Ελλάδα.

CO5. Πρόεδρος και μέλος της οργανωτικής επιτροπής του 5th International Conference on Energy Sustainability and Climate Change ESCC 2015, June 4-8, 2018, Μύκονος, Ελλάδα.

ΕΠΙΒΛΕΨΗ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΕΡΓΑΣΙΩΝ

- DM1.** Arion Giokas "Optimization of cross-docking facilities" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 11/11).
- DM2.** Charikleia Rampaouni "Review of parameters affecting emission factors" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 02/13).
- DM3.** Anastasia Spathi "Modeling and solution approach for the optimal scheduling of yogurt production" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 03/13).
- DM4.** Stavroula Tsioutra "Optimal production scheduling in yogurt industry" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 03/13).
- DM5.** Konstantinos Iperifanos "Continuous vs discrete representation of time. A case study from pharmaceutical industry" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 05/13).
- DM6** Fragogios Antonios "Bike sharing network design and modelling with hourly deterministic demand" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 06/14).
- DM7** Zigouri Eleousa "Bike sharing network design and modelling using Monte Carlo simulation" Master's Thesis, Program of Graduate Studies in Mechanical Engineering, University of Thessaly, (Ολοκληρώθηκε 06/14).
- DM8** Καμπίτοης Δημήτριος "Εύρεση βέλτιστης διαδρομής σε δίκτυο πόλεων με πολλαπλά μέσα μεταφοράς, με Μοντέλο Μικτού Ακέραιου Προγραμματισμού" (Ολοκληρώθηκε 10/14).
- DM9** Filippos Chatziioannou "Trainose and KTEL synchronization study" (Ολοκληρώθηκε 10/16).
- DM10** Lazaros K. Tatalopoulos "A Mathematical Model and exact algorithm for Multi Depot Capacitated Heterogeneous Fleet Vehicle Routing Problem with optional variants extension" (Ολοκληρώθηκε 10/16).
- DM11** Magalios Vaios "Mixed integer programming models formulation for inbound trucks to door assignment on cross docking facilities" (Ολοκληρώθηκε 03/17).

ΕΠΙΠΛΕΟΝ ΠΡΟΣΟΝΤΑ

Εξειδίκευση στα παρακάτω προγράμματα υπολογιστή:

Προγράμματα Βελτιστοποίησης: CPLEX, Lingo, GAMS

Γλώσσες Προγραμματισμού: C++, JAVA, Visual Basic, Fortran 77

Προγράμματα Τεχνητής Νοημοσύνης: DataEngine, WINROSA

Σχεδιαστικά Προγράμματα: Pro/Engineer, PT/Modeler

Προγράμματα Προσομοίωσης Οδικής Κυκλοφορίας: VISTA, Paramics, VISSIM

Προγράμματα Δημιουργίας Δικτυακών Ιστοσελίδων: HTML programming, PHP programming

Άλλα Προγράμματα: Microsoft Office, LaTeX, WinEdt

Γλώσσες:

Ελληνικά: Μητρική Γλώσσα

Γαλλικά: Certificate I, Sorbonne I

Αγγλικά: Certificate I, University of Michigan
