

Παύλος Ειρηνάκης

Παρούσα θέση: **Επίκουρος Καθηγητής**
Αναλυτικές μέθοδοι στη Βιομηχανία
Πανεπιστήμιο Πειραιώς
Σχολή Ναυτιλίας και Βιομηχανίας
Τμήμα Βιομηχανικής Διοίκησης και Τεχνολογίας

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Σπουδές

06.2006 – 10.2010 **Διδακτορικό δίπλωμα στην Επιχειρησιακή Έρευνα**
Τμήμα Διοικητικής Επιστήμης και Τεχνολογίας
Οικονομικό Πανεπιστήμιο Αθηνών
Διατριβή: “2-sided and multi-sided Stable Matchings:
Structures, Algorithms and Applications”

10.2002 – 06.2004 **Μεταπτυχιακό δίπλωμα στην Οργάνωση και Διοίκηση Επιχειρήσεων**
Τμήμα Οργάνωσης και Διοίκησης Επιχειρήσεων και
Τμήμα Μάρκετινγκ και Επικοινωνίας
Οικονομικό Πανεπιστήμιο Αθηνών

10.1998 – 06.2002 **Πτυχίο Πληροφορικής**
Τμήμα Πληροφορικής
Οικονομικό Πανεπιστήμιο Αθηνών

Ακαδημαϊκή/Ερευνητική εμπειρία

09.2018 – Σήμερα **Επίκουρος Καθηγητής**
Τμήμα Βιομηχανικής Διοίκησης και Τεχνολογίας
Πανεπιστήμιο Πειραιώς

05.2013 – 09.2018 **Μηχανικός Έρευνας και Ανάπτυξης**
Danaos Research Center
Danaos Management Consultants

07.2012 – 09.2018 **Μεταδιδακτορικός Ερευνητής**
Τμήμα Διοικητικής Επιστήμης και Τεχνολογίας
Οικονομικό Πανεπιστήμιο Αθηνών

08.2011 – 06.2012 **Postdoctoral Research Fellow**
Lane Department of Computer Science and Electrical Engineering
West Virginia University

10.2010 – 07.2011 **Μεταδιδακτορικός Ερευνητής**
Τμήμα Διοικητικής Επιστήμης και Τεχνολογίας
Οικονομικό Πανεπιστήμιο Αθηνών

Διδακτική Εμπειρία

10.2018 – Σήμερα **Πανεπιστήμιο Πειραιώς**
Τμήμα Βιομηχανικής Διοίκησης και Τεχνολογίας
Διασφάλιση και Έλεγχος Ποιότητας: 2019-Σήμερα
Διοίκηση Έργων: 2019-22
Επιχειρηματική Αναλυτική: 2022-Σήμερα
Επιχειρησιακή Έρευνα I: 2018-19
Επιχειρησιακή Έρευνα II: 2018-19
Συστήματα Αναμονής και Προσομοίωση: 2018-Σήμερα
Μεταπτυχιακό στη Βιομηχανική Διοίκηση και Τεχνολογία
Αναλυτικές Μέθοδοι: 2018
Δεδομένα Μεγάλης Κλίμακας και Επιχειρηματική Αναλυτική: 2021-Σήμερα
Διοίκηση Έργων: 2019-22
Διοίκηση Έργων στην Πράξη: 2023-Σήμερα

10.2012 – 02.2019 **Χαροκόπειο Πανεπιστήμιο**
Μεταπτυχιακό σε Τεχνολογίες και Εφαρμογές Ιστού
Ειδικά θέματα υπολογιστικών μεθόδων: 2012-2014
Υπολογισμός και βελτιστοποίηση: 2015-2018

10.2017 – 07.2018 **Ελληνικό Ανοικτό Πανεπιστήμιο**
Τμήμα Πληροφορικής
Διακριτά μαθηματικά και μαθηματική λογική: 2017-18

10.2013 – 08.2018 **Οικονομικό Πανεπιστήμιο Αθηνών**
Τμήμα Διοικητικής Επιστήμης και Τεχνολογίας
Μαθηματικός προγραμματισμός: 2017-18
Μεταπτυχιακό στη δημόσια διοίκηση και πολιτική
Τεχνικές λήψης αποφάσεων στον δημόσιο τομέα: 2013-14

Επιστημονικός Υπεύθυνος σε Ερευνητικά Προγράμματα

01.2023 – Σήμερα **MODAPTO: Modular Manufacturing and Distributed Control via Interoperable Digital Twins**
Horizon-CL4-2022-TWIN-TRANSITION-01: MODAPTO – GA no. 101091996
Επιστημονικός Υπεύθυνος (Πανεπιστήμιο Πειραιώς)

11.2019 – 04.2023 **FACTLOG: Energy-aware Factory Analytics for Process Industries**
Horizon-DT-SPIRE-06-2019 - GA no. 869951
Επιστημονικός Υπεύθυνος (Πανεπιστήμιο Πειραιώς)

Συμμετοχή σε Ερευνητικά Προγράμματα

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|-------------------|--|
| 08.2023 – Σήμερα | PLOOTO: Product Passport for through Twinning of Circular Value Chains HORIZON-CL4-2022-RESILIENCE-01: PLOOTO – GA no. 101092008 |
| 02.2021 – Σήμερα | AQUASPICE: Advancing Sustainability of Process Industries through Digital and Circular Water Use Innovations Horizon-CE-SPIRE-07-2020: AQUASPICE - GA no. 958396 |
| 09.2016 – 08.2019 | DISRUPT: Decentralised architectures for optimised operations via virtualized processes and manufacturing ecosystem collaboration Horizon-FOF.11-2016: DISRUPT - GA no. 723541 |
| 06.2015 – 05.2018 | U-TURN: Rethinking urban transportation through advanced tools and supply chain collaboration Horizon-MG.5.2-2014: U-TURN - GA no. 635773 |
| 05.2013 – 05.2015 | AMINESS: Ανάλυση ναυτιλιακής πληροφορίας για περιβαλλοντικά ασφαλή ναυσιπλοΐα Συνεργασία: AMINESS - 11-ΣΥΝ-9-1071 |
| 10.2012 - 09.2015 | Από τη θεωρία γραφημάτων στα μητροειδή: Αλγοριθμικά προβλήματα και εφαρμογές Θαλής 85418, MIS: 379437 |
| 04.2012 - 09.2015 | Ενεργειακή αποτελεσματικότητα οδικών δικτύων και οχημάτων: Μέτρηση, τιμολόγηση, περιφερειακές και περιβαλλοντικές επιπτώσεις Θαλής Δ.562, MIS: 380232 |
| 05.2012 - 06.2015 | Πολυδιάστατη αντιστοίχιση και συστήματα περιορισμών διαφορετικότητας Αρχιμήδης III, Υποέργο 28, MIS: 379389 |
| 12.2012 - 12.2014 | Αλγοριθμικά και δομικά προβλήματα ευσταθούς ταιριάσματος Διμερής E&T συνεργασία Ελλάδας-Σλοβακίας, EP 1993 |
| 06.2012 - 04.2014 | ARTISAN: Energy Aware Enterprise Systems for low-carbon intelligent operations FP7 - ICT.7-2011: ARTISAN - GA no. 287993 |
| 08.2011 - 06.2012 | Polyhedral Approaches to Selected Problems in Computational Logic NSF Award CCF-0827397 |
| 06.2011 - 03.2012 | Προβλήματα αντιστοίχισης και περιορισμοί διαφορετικότητας Πρόγραμμα Ενίσχυσης Βασικής Έρευνας |
| 03.2009 - 02.2010 | Πολυμερή ευσταθή ταιριάσματα: Δομές και αλγόριθμοι Πρόγραμμα Ενίσχυσης Βασικής Έρευνας |

Άρθρα σε Διεθνή Επιστημονικά Περιοδικά

- [J1] Eirinakis P, Magos D, Mourtos I, Miliotis P (2012). Finding all stable pairs and solutions for the many-to-many Stable Matching problem. *INFORMS Journal on Computing* 24(2), 245-259.
- [J2] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2012). A complexity perspective on entailment of parameterized linear constraints. *Constraints* 17, 461-487.
- [J3] Eirinakis P, Magos D, Mourtos I, Miliotis P (2013). Finding a minimum-regret many-to-many Stable Matching. *Optimization: A Journal of Mathematical Programming and Operations Research* 62(8), 1007-1018.
- [J4] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2014). On Quantified Linear Implications. *Annals of Mathematics and Artificial Intelligence* 71(4), 301-325.
- [J5] Ruggieri S, Eirinakis P, Subramani K, Wojciechowski P (2014). On the complexity of Quantified Linear Systems. *Theoretical Computer Science* 518, 128-134.
- [J6] Eirinakis P, Magos D, Mourtos I (2014). Blockers and antiblockers of stable matchings. *Theoretical Computer Science* 524, 126-133.
- [J7] Eirinakis P, Magos D, Mourtos I, Miliotis P (2014). Polyhedral aspects of stable marriage. *Mathematics of Operations Research* 39(3), 656-671.
- [J8] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Mourtos I, Potpinková E (2014). Pareto optimality in many-to-many matching problems. *Discrete Optimization* 14, 160-169.
- [J9] Eirinakis P, Magos D, Mourtos I (2014). From one stable marriage to the next; how long is the way? *SIAM Journal on Discrete Mathematics* 28(4), 1971-1979.
- [J10] Shankar N, Subramani K, Eirinakis P (2015). Identifying negative cost cycles in strongly polynomial time. *Nordic Journal of Computing* 15(2), 154-171.
- [J11] Williamson M, Eirinakis P, Subramani K (2016). Fast algorithms for the Undirected Negative Cost Cycle Detection problem. *Algorithmica* 74, 270-325.
- [J12] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Manlove DF, Mourtos I, Oceláková E, Rastegari B (2016). Pareto Optimal Matchings in Many-to-Many Markets with Ties. *Theory of Computing Systems* 59(4), 700-721.
- [J13] Wojciechowski P, Eirinakis P, Subramani K (2016). Analyzing restricted fragments of the theory of linear arithmetic. *Annals of Mathematics and Artificial Intelligence* 77(1-3), 245-266.
- [J14] Eirinakis P, Williamson M, Subramani K (2017). On the Shoshan-Zwick algorithm for the all-pairs shortest path problem. *Journal of Graph Algorithms and Applications* 21(2), 177-181.
- [J15] Eirinakis P, Magos D, Mourtos I (2018). The stable b-matching polytope revisited. *Discrete Applied Mathematics* 250, 186-201.
- [J16] Eirinakis P, Magos D, Mourtos I (2020). The diameter of the stable marriage polytope: Bounding from below. *Discrete Mathematics* 343(5), 111804.
- [J17] Eirinakis P, Kasapidis G, Mourtos I, Repoussis P, Zampou E (2021). Situation-aware manufacturing systems for capturing and handling disruptions. *Journal of Manufacturing Systems* 58, 365-383.
- [J18] Rožanec JM, Trajkova E, Lu J, Sarantinoudis N, Arampatzis G, Eirinakis P, Mourtos I, Onat MK, Yilmaz DA, Košmerlj A, Kenda K (2021). Cyber-Physical LPG Debutanizer Distillation Columns: Machine-Learning-Based Soft Sensors for Product Quality Monitoring. *Applied Sciences* 11(24), 11790 (SI: Smart Resilient Manufacturing).
- [J19] Eirinakis P, Lounis S, Plitsos S, Arampatzis G, Kalaboukas K, Kenda K, Lu J, Rožanec JM, Stojanovic N. (2022). Cognitive Digital Twins for Resilience in Production: A Conceptual Framework. *Information* 13(1), 33 (SI: Cognitive Digital Twins: Challenges and Opportunities for Process and Manufacturing Industries).

- [J20] Eirinakis P, Mourtos I, Zampou E (2022). Random Serial Dictatorship for horizontal collaboration in logistics. *Omega*, 102662.
 - [J21] Spyrou-Sioula K, Kontopoulos I, Kaklis D, Makris A, Tserpes K, Eirinakis P, Oikonomou F (2022). AIS-Enabled Weather Routing for Cargo Loss Prevention. *Journal of Marine Science and Engineering* 10, 1755.
 - [J22] Eirinakis P, Mourtos I, Samaris M (2024). On Pareto optimal balanced exchanges. *Discrete Optimization* 52, 100835.
 - [J23] Eirinakis P, Koronakos G, Plitsos P (2024). Optimizing LPG production under quality specifications by preprocessing MILP with Pareto dominance and DEA. *International Journal of Production Research* (accepted).
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Άρθρα σε Διεθνή Επιστημονικά Συνέδρια

- [C1] Eirinakis P, Magos D, Mourtos I, Miliotis P (2007). Hyperarc consistency for the Stable Admissions problem. In: *Proceedings of the 19th IEEE International Conference on Tools with Artificial Intelligence (ICTAI07)* 1, Patra, Greece, pp. 239-242.
- [C2] Eirinakis P, Magos D, Mourtos I, Miliotis P (2008). Finding all stable pairs for the (many-to-many) Stable Matching. In: *Proceedings of 1st International Workshop on Matching Under Preferences 2008 (MATCH-UP08)*, Reykjavik, Iceland, pp. 145-156.
- [C3] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2012). Computational complexity of inclusion queries over polyhedral sets. In: *Proceedings of the International Symposium on Artificial Intelligence and Mathematics (ISAIM12)*, Fort Lauderdale FL, USA.
- [C4] Wojciechowski P, Eirinakis P, Subramani K (2014). Variants of Quantified Linear Programming and Quantified Linear Implication. In: *Proceedings of the International Symposium on Artificial Intelligence and Mathematics (ISAIM14)*, Fort Lauderdale FL, USA.
- [C5] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Mourtos I, Potpinková E (2015). Approximation Algorithms for the Teachers Assignment Problem. In: *Proceedings of the 13th International Symposium on Operations Research in Slovenia (SOR15)*, Bled, Slovenia, pp. 479-484.
- [C6] Archontaki S, Eirinakis P, Varelas T (2015). Fermat minimizes fuel cost expenses in anisotropic sea passages. In: *Proceedings of the 4th International Symposium & 26th National Conference on Operational Research (HELORS15)*, Chania, Greece, pp. 191-195.
- [C7] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Manlove DF, Mourtos I, Oceláková E, Rastegari B (2015). Pareto Optimal Matchings in Many-to-Many Markets with Ties. In: *Algorithmic Game Theory, LNCS 9347, Proceedings of the 8th International Symposium on Algorithmic Game Theory (SAGT15)*, Springer Berlin Heidelberg, Saarbrücken, Germany, pp. 27-39.
- [C8] Wojciechowski P, Subramani K, Eirinakis P (2016). On the computational complexities of Quantified Integer Programming variants. In: *Proceedings of the International Symposium on Artificial Intelligence and Mathematics (ISAIM16)*, Fort Lauderdale FL, USA.
- [C9] Eirinakis P, Buenabad-Chavez J, Fornasiero R, Gokmen H, Mascolo J-E, Mourtos I, Spieckermann S, Tountopoulos V, Werner F, Woitsch R (2017). A Proposal of Decentralised Architecture for Optimised Operations in Manufacturing Ecosystem Collaboration. In: *Proceedings of the Working Conference on Virtual Enterprises (PRO-VE17)*, pp. 128-137. Springer, Cham.
- [C10] Eirinakis P, Kalaboukas K, Lounis S, Mourtos I, Rožanec JM, Stojanovic N, Zois G (2020). Enhancing Cognition for Digital Twins. In: *Proceedings of the 2020 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC20)*, pp. 1-7. IEEE.

- [C11] Eirinakis P, Koronakos G (2022). A mathematical programming approach for optimizing on-specs production for industrial processes under input uncertainty. *IFAC-PapersOnLine*, 55(10), pp.2822-2827.
- [C12] Kaklis D, Eirinakis P, Giannakopoulos G, Spyropoulos C, Varelas TJ, Varlamis I (2022). A big data approach for Fuel Oil Consumption estimation in the maritime industry. In: *Proceedings of the 2022 IEEE 8th International Conference on Big Data Computing Service and Machine Learning Applications (BSD22)*, Fremont, CA, United States, pp. 39-47.
- [C13] Kaklis D, Varelas TJ, Varlamis I, Eirinakis P, Giannakopoulos G, Spyropoulos CV (2023). From STEAM to Machine: Emissions control in the shipping 4.0 era. In *SNAME 8th International Symposium on Ship Operations, Management and Economics*. OnePetro.
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Ανακοινώσεις σε Διεθνή Επιστημονικά Συνέδρια

- [P1] Eirinakis P, Magos D, Mourtos I, Miliotis P (2009). On weighted stable b-matchings and their implications on Supply Chain Networks. In: *20th International Symposium on Mathematical Programming (ISMP'09)*, Chicago, IL, USA.
- [P2] Eirinakis P, Magos D, Mourtos I, Miliotis P (2010). Non-stable pairs in the Stable Marriage problem and multi-index configurations. In: *24th European Conference on Operational Research (EURO'10)*, Lisbon, Portugal.
- [P3] Eirinakis P, Magos D, Mourtos I, Miliotis P (2011). Finding a minimum-regret many-to-many Stable Matching. In: *1st International Symposium & 10th Balkan Conference on Operational Research (BALCOR'11)*, Thessaloniki, Greece.
- [P4] Eirinakis P, Magos D, Mourtos I, Miliotis P (2012). On the structural characteristics of the Stable Marriage polytope. In: *2nd International Workshop on Matching Under Preferences 2012 (MATCH-UP'12)*, Budapest, Hungary.
- [P5] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2012). Quantified Linear Programs and Implications. In: *8th Scandinavian Logic Symposium (SLS'12)*, Roskilde University, Denmark.
- [P6] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2013). Analysis and Applications of Quantified Linear Programming and Quantified Linear Implication. In: *13th INFORMS Computing Society Conference (ICS'13)*, Santa Fe, NM, USA.
- [P7] Eirinakis P, Ruggieri S, Subramani K, Wojciechowski P (2013). On the conjunctive fragments of theory of linear arithmetic. In: *Automated Deduction: Decidability, Complexity, Tractability 2013 (ADDCT'13)*, Lake Placid, NY, USA.
- [P8] Eirinakis P, Magos D, Mourtos I (2013). Exploring the many-to-many Stable Matching polytope and transportation-related generalizations. In: *26th European Conference on Operational Research (EURO'13)*, EURO - INFORMS Joint International Meeting, Rome, Italy.
- [P9] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Mourtos I, Potpinková E (2014). Pareto-optimal many-to-many-matchings: complexity and integer programs. In: *20th Conference of the International Federation of Operational Research Societies (IFORS'14)*, Barcelona, Spain.
- [P10] Eirinakis P, Magos D, Mourtos I (2014). On the polytope of closed subsets of directed graphs and its extension to ordinal transportation. In: *20th Conference of the International Federation of Operational Research Societies (IFORS'14)*, Barcelona, Spain.
- [P11] Eirinakis P (2014). Pareto optimal matchings. In: *18th International Conference on Mathematical Methods in Economy and Industry (MMEI'14)*, Smolenice, Slovakia.
- [P12] Eirinakis P, Magos D, Mourtos I (2014). Polyhedral results for 2-sided stable matchings and ordinal transportation. In: *INFORMS Annual Meeting 2014*, San Francisco, CA, USA.

- [P13] Eirinakis P, Magos D, Mourtos I (2015). Linear and Integer Programming formulations for Stable Allocations and House Allocations (poster). In: *3rd International Workshop on Matching Under Preferences (MATCH-UP'15)*, Glasgow, UK.
- [P14] Eirinakis P, Magos D, Mourtos I (2015). Polyhedral aspects of stable b-matching. In: *3rd International Workshop on Matching Under Preferences (MATCH-UP'15)*, Glasgow, UK.
- [P15] Eirinakis P, Magos D, Mourtos I (2015) A model for House Allocation. In: *International Conference 'Science in Technology' (SCinTE'15)*, Athens, Greece.
- [P16] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Manlove DF, Mourtos I, Oceláková E, Rastegari B (2015). Pareto Optimal Matchings in Many-to-Many Markets with Ties. In: *9th Conference on Economic Design (CoED'15)*, Istanbul, Turkey.
- [P17] Wojciechowski P, Eirinakis P, Subramani K (2015). Quantifying Linear Programs and Implications. In: *22nd International Symposium on Mathematical Programming (ISMP'15)*, Pittsburgh, PA, USA.
- [P18] Eirinakis P, Magos D, Mourtos I (2015). A minimal polyhedral description of stable b-matching. In: *22nd International Symposium on Mathematical Programming (ISMP'15)*, Pittsburgh, PA, USA.
- [P19] Zampou E, Trachana T, Eirinakis P, Zeimpekis V (2016). Collaborative logistics models in urban areas: Current status and evidence from the Fast Moving Consumer Goods sector. In: *28th European Conference on Operational Research (EURO'16)*, Poznan, Poland.
- [P20] Eirinakis P, Mourtos I (2016). Pareto-optimal allocations. In: *3rd International Conference on Energy, Sustainability and Climate Change (ESCC'16)*, Marathon, Greece.
- [P21] Zeimpekis V, Ntzoufas A, Trachana T, Zampou E, Eirinakis P (2017). Shared logistics opportunities in urban areas: Assessing route sharing practices for 3PL freight distributions in the region of Attica. In: *6th International Symposium and 28th National Conference on Operational Research (HELORS'17)*
- [P22] Eirinakis P, Mourtos I (2018). Pareto-optimal allocations and their application in logistics. In: *Operational Research Society Conference (OR60)*, Lancaster, UK.
- [P23] Eirinakis P, Mourtos I, Zampou E (2019). Energy-aware Manufacturing Systems. In: *IFAC Manufacturing Modelling, Management and Control (MIM19)*, Berlin, Germany.
- [P24] Samaris M, Eirinakis P, Mourtos M (2021). The Pareto optimal balanced exchange problem. In: *31st European Conference on Operational Research (EURO21)*, Athens, Greece.
- [P25] Mourtos I, Kasapidis G, Repoussis P, Eirinakis P (2021). Combined Production Scheduling and Predictive Maintenance for PCB Manufacturing. In: *31st European Conference on Operational Research (EURO21)*, Athens, Greece.
- [P26] Sarantinoudis N, Tsinarakis G, Kalaboukas K, Eirinakis P, Arampatzis G (2021). Cognitive Manufacturing: The role of process modelling and optimisation. In: *31st European Conference on Operational Research (EURO21)*, Athens, Greece.
- [P27] Eirinakis P, Arampatzis G, Košmerlj A, Rožanec J, Sarantinoudis N (2021). Utilizing an enhanced digital twin to optimize on-specs LPG recovery. In: *31st European Conference on Operational Research (EURO21)*, Athens, Greece.

Προδημοσιεύσεις / Λοιπές Δημοσιεύσεις

- [M1] Eirinakis P, Magos D, Mourtos I, Miliotis P (2010). Stability in a specialized Supply Chain setting. In: *Proceedings of the 7th Management Science and Technology Student Conference, Astrolavos 13*, Greek Mathematical Society, Athens, Greece, pp. 68-79.

- [M2] Cechlarova K, Eirinakis P, Fleiner T, Magos D, Mourtos I, Oceláková E (2014). Approximation algorithms for the teachers assignment problem. *Institute of Mathematics Preprint, series A*, (5), 1-10.
- [M3] Cechlárová K, Eirinakis P, Fleiner T, Magos D, Manlove DF, Mourtos I, Oceláková E, Rastegari B (2015). Pareto Optimal Matchings in Many-to-Many Markets with Ties. arXiv:1507.02866
- [M4] Eirinakis P, Williamson M, Subramani K (2016). On the Shoshan-Zwick algorithm for the all-pairs shortest path problem. arXiv:1603.08627.
- [M5] Eirinakis P, Mourtos I, Samaris M (2021). Pareto optimal exchange with indifferent endowments. arXiv:2104.00465.
- [M6] Rožanec JM, Trajkova E, Lu J, Sarantinoudis N, Arampatzis G, Eirinakis P, Mourtos I, Onat MK, Yilmaz DA, Košmerlj A, Kenda K (2021). Cyber-Physical LPG Debutanizer Distillation Columns: Machine Learning-Based Soft Sensors for Product Quality Monitoring. Preprints, 2021100364.
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Διατριβές

- [T1] Eirinakis P (2004). Development of a Decision Support System using Fuzzy Logic. MBA Thesis (in Greek). Athens University of Economics and Business.
- [T2] Eirinakis P (2010). 2-sided and multi-sided Stable Matchings: Structures, Algorithms and Applications. PhD Thesis. Athens University of Economics and Business.

Κριτής σε Επιστημονικά Περιοδικά

- Annals of Operations Research
- Computers in Industry
- Computers & Industrial Engineering
- Electronics (SI: Big Data and Artificial Intelligence for Industry 4.0)
- International Journal of Industrial Engineering and Management
- Journal of Manufacturing Systems
- Journal of Industrial Information Integration
- Journal of the Operations Research Society of China
- Theoretical Computer Science
- Operational Research: An International Journal
- Optimization Letters

Κριτής σε Επιστημονικά Συνέδρια

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| PCI22 | 26th Panhellenic Conference on Informatics |
| AAMAS22 | International Conference on Autonomous Agents and Multiagent Systems 2022 |
| PCI21 | 25th Panhellenic Conference on Informatics |
| ADT21 | 7th International Conference on Algorithmic Decision Theory |
| ECIS21 | 29th European Conference on Information Systems |
| IPCO20 | 21st Conference on Integer Programming and Combinatorial Optimization |
| PCI20 | 24th Panhellenic Conference on Informatics |
| MATCH-UP19 | 5th International Workshop on Matching Under Preferences |
| DISC19 | 33rd International Symposium on Distributed Computing |

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| PCI17 | 21st Panhellenic Conference on Informatics |
| ICPP17 | 46th International Conference on Parallel Processing |
| ECIS17 | 25th European Conference on Information Systems |
| SWAT16 | 15th Scandinavian Symposium and Workshops on Algorithm Theory |
| PCI15 | 19th Panhellenic Conference on Informatics |
| ICALP15 | 42nd International Colloquium on Automata, Languages and Programming |
| SEA15 | 14th International Symposium on Experimental Algorithms |
| PCI14 | 18th Panhellenic Conference on Informatics |
| ESA13 | 21st European Symposium on Algorithms |
| SODA12 | ACM-SIAM Symposium on Discrete Algorithms 2012 |
| ESA12 | 20th European Symposium on Algorithms |
| SWAT12 | 13th Scandinavian Symposium and Workshops on Algorithm Theory |
| ICALP11 | 38th International Colloquium on Automata, Languages and Programming |

Υπηρεσία προς την Ακαδημαϊκή Κοινότητα

| | |
|-------------------|---|
| Associate Editor | 30th European Conference on Information Systems (ECIS22) Track on Artificial Intelligence in IS Research and Practice |
| Session Organizer | 31st European Conference on Operational Research (EURO21) Οργάνωση 2 συνεδριών με τίτλο: OR in Manufacturing and Digital Twins |
| PC member | 5th International Workshop on Matching Under Preferences (MATCH-UP'19) |
| PC member | Panhellenic Conference on Informatics (PCI) 2014 – 2018, 2020-Σήμερα |

Ακαδημαϊκές Επισκέψεις

| | |
|------------------|---|
| 02.2013, 09.2014 | Pavol Jozef Šafárik University Institute of Mathematics Košice, Slovakia |
|------------------|---|

Γλώσσες

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|---------|--|
| English | Excellent. Certificate of Proficiency in English, Cambridge. |
| German | Fair. Grundstufe Prüfung, Goethe Institut. |

Γνώσεις Προγραμματισμού

C, C++, C#, VB, Java, SQL, CPLEX-OPL, Python