

**ΔΙΕΘΝΕΣ ΠΑΝΕΠΙΣΤΗΜΙΟ ΤΗΣ ΕΛΛΑΔΟΣ  
ΣΧΟΛΗ ΜΗΧΑΝΙΚΩΝ**  
**ΤΜΗΜΑ ΜΗΧΑΝΙΚΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΗΛΕΚΤΡΟΝΙΚΩΝ ΣΥΣΤΗΜΑΤΩΝ**  
**ΕΚΘΕΣΗ ΕΣΩΤΕΡΙΚΗΣ ΑΞΙΟΛΟΓΗΣΗΣ ΑΚΑΔ. ΕΤΟΥΣ 2019-20**

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ΕΠΙΣΤΗΜΟΝΙΚΟ ΕΡΓΟ ΜΕΛΩΝ ΤΟΥ ΤΜΗΜΑΤΟΣ  
ΜΗΧΑΝΙΚΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΚΑΙ ΗΛΕΚΤΡΟΝΙΚΩΝ ΣΥΣΤΗΜΑΤΩΝ ΤΟΥ ΔΙΠΑΕ  
ΑΠΟ ΤΟ 2015 ΈΩΣ ΤΟ 2020



**Επιστημονικό έργο μελών του τμήματος**  
**Μηχανικών Πληροφορικής και Ηλεκτρονικών Συστημάτων του ΔΙΠΑΕ**  
**Από το έτος 2015 έως και το έτος 2020<sup>1</sup>**

**Πίνακας περιεχομένων**

**Έτος 2020**

Επιστημονικές δημοσιεύσεις σε επιστημονικά περιοδικά με κριτές  
Επιστημονικές δημοσιεύσεις σε επιστημονικά συνέδρια με κριτές  
Κεφάλαια σε συλλογικούς τόμους  
Ανακοινώσεις σε συνέδρια υπό την αιγίδα της ακαδημαϊκής μονάδας

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**Έτος 2016**

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**Έτος 2015**

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Επιστημονικές δημοσιεύσεις σε επιστημονικά συνέδρια χωρίς κριτές  
Κεφάλαια σε συλλογικούς τόμους

<sup>1</sup> Τα στοιχεία του επιστημονικού έργου των μελών του τμήματος είναι διαθέσιμα και μέσω της εφαρμογής ieepubs (<https://omea.iee.iuh.gr/ieepubs/>)

**Έτος 2020**

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10. Spyropoulou, Natalia, Glaroudis, Dimitrios, Iossifides, Athanasios, and Zaharakis, Ioannis D., "Fostering Secondary Students' STEM Career Awareness through IoT Hands-On Educational Activities: Experiences and Lessons Learned", *IEEE Communications Magazine*, Vol.58(2), p.p.86–92, Feb, 2020
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5. Konstantinos Malliaridis, Stefanos Ougiaroglou, Dimitris A. Dervos, "WebApriori: A Web Application for Association Rules Mining", In proceedings of 16th International Conference on "Intelligent Tutoring Systems" (ITS 2020), Springer/LNCS 12149, pp. 371-377, Athens, Greece, 2020
6. M. Pavec, T. Kapetanakis, C. Nikolopoulos, A. Baklezos, D. Moravcova, R. Soukup, T. Blecha, A. Hamacek, D. Stratidakis, J. Chatzakis, M. Ioannidou, and I. Vardiambasis, "Development of all-textile antennas for the ISM band", Proceedings of the 2nd International Symposium in Electronic Engineering, Information Technology
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2. Stefanos Ougiaroglou "Prototype generation algorithms for data streams and large training datasets", 1o Εσωτερικό Συνέδριο Έρευνας και Καινοτομίας του Διεθνούς Πανεπιστημίου της Ελλάδος, Θεσσαλονίκη, 1 και 2 Φεβρουαρίου 2020
3. Dimitris Dervos, "Journal-to-Journal References by Greek Researchers", 1o Εσωτερικό Συνέδριο Έρευνας και Καινοτομίας του Διεθνούς Πανεπιστημίου της Ελλάδος, Θεσσαλονίκη, 1 και 2 Φεβρουαρίου 2020

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#### **Επιστημονικές δημοσιεύσεις σε επιστημονικά συνέδρια με κριτές**

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2. Diamantaras, Konstantinos, and Petropulu, Athina,"Optimal Mobile Relay Beamforming Via Reinforcement Learning",2019 IEEE 29th International Workshop on Machine Learning for Signal Processing (MLSP),Oct, 2019
3. Dimas, Anastasios, Diamantaras, Konstantinos, and Petropulu, Athina,"A Reinforcement Learning Approach for Mobile Beamforming",2019 53rd Asilomar Conference on Signals, Systems, and Computers,Nov, 2019
4. Georgios Pardis, Konstantinos I. Diamantaras, Stefanos Ougiaroglou , Georgios Evangelidis "Fast tree-based classification via homogeneous clustering", In proceedings of 20th International Conference on Intelligent Data Engineering and Automated Learning (IDEAL 2019), Springer/LNCS 11971, Part I, Manchester, United Kingdom, 2019
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6. K. Asdre and S. Avdimiotis, Exploitation of Synchronous and Asynchronous Education Forms in the Educational Organization, 2st International Conference on Management of Educational Units (ICOMEU 2019), 831-837, December 2019, Thessaloniki, Greece, ISBN: 978-618-80440-8-1

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8. Partalidou, Eleni, Spyromitros-Xioufis, Eleftherios, Doropoulos, Stavros, Vologiannidis, Stavros, and Diamantaras, Konstantinos,"Design and implementation of an open source Greek POS Tagger and Entity Recognizer using spaCy",IEEE/WIC/ACM International Conference on Web Intelligence,Oct, 2019
9. Pavlos Ponos, Stefanos Ougiaroglou, Georgios Evangelidis,"Improving Data Reduction by Merging Prototypes",Advances in Databases and Information Systems,p.p.20-32, 2019
10. Pavlos Ponos, Stefanos Ougiaroglou , Georgios Evangelidis, "The Effect of Parallelism on Data Reduction", In proceedings of 9th Balkan Conference in Informatics (BCI 2019), ACM ICPS, Article no: 33, Sofia, Bulgaria, 2019
11. Pispiringas L., Dervos D.A., Evangelidis G., "J2J-GR: Journal-to-Journal References by Greek Researchers", In: Schewe KD., Singh N. (eds) Model and Data Engineering, MEDI 2019, Lecture Notes in Computer Science, vol 11815, pp 83-95, Springer
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16. Vologiannidis, Stavros, and Antoniou, Efstathios,"A new approach on the linearization of 2-D polynomial matrices",2019 6th International Conference on Control, Decision and Information Technologies (CoDIT),Apr, 2019
17. M. D. Bustamante, E. N. Antoniou, A. Araújo, and A. Gibali, "Physically feasible decomposition of Engino® toy models: A graph-theoretic approach," presented at the British Applied Mathematics Colloquium 2019, Bath, UK, Apr. 2019.
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### **Κεφάλαια σε συλλογικούς τόμους**

1. Goumopoulos, Christos, Iossifides, Athanasios, Fragou, Olga, Zaharakis, Ioannis D., and Kameas, Achilles,"An Approach to Advance STEM Education Practices Based on IoT Technologies and the CoPs Paradigm",Computer Supported Education, vol. 1022, Springer International Publishing, p.p.117–141, 2019

### **Σύνταξη έκδοσης (editor) επιστημονικού βιβλίου**

1. Alexandros Theodoridis, Athanasios Ragkos, Michail Salampasis (eds)."Innovative Approaches and Applications for Sustainable Rural Development",Springer Earth System Sciences, 2019

#### **Σύνταξη έκδοσης (editor) πρακτικών επιστημονικού συνεδρίου**

1. Michail Salampasis Thomas Bournaris (eds), "Information and Communication Technologies in Modern Agricultural Development", Communications in Computer and Information Science, 2019

#### **Έτος 2018**

##### **Βιβλία/Μονογραφίες**

1. Μιχάλης Ν. Σπάσος, Κωνσταντίνος Θ. Αμοιρίδης, Β Έκδοση 'Σύγχρονες Εφαρμογές Αναλογικών Ηλεκτρονικών' Εκδόσεις Αιβάζη, 2018, ISBN 978-960-549-026-3
2. Μιχάλης Ν. Σπάσος, 'Αναλογική Επεξεργασία Σημάτων Αισθητηρίων, Εκδόσεις Αιβάζη, 2018, ISBN 978-960-549-003-4

##### **Επιστημονικές δημοσιεύσεις σε επιστημονικά περιοδικά με κριτές**

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4. Sevastas, Stefanos, Gasparatos, Dionisios, Botsis, Dimitrios, Siarkos, Ilias, Diamantaras, Konstantinos I., and Bilas, Georgios, "Predicting bulk density using pedotransfer functions for soils in the Upper Anthemountas basin, Greece", Geoderma Regional, Vol.14p.p.e00169, Sep, 2018
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##### **Επιστημονικές δημοσιεύσεις σε επιστημονικά συνέδρια με κριτές**

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