Technological Educational Institute of Western Greece
Computer & Informatics Engineering Department
Embedded System Design and Applications Group
(http://esda-lab.cied.teiwest.gr)

Publications

Alexandros Spournias
Undergraduate Student

Total publications: **12**

2022 (2)

- Konstantinos Antonopoulos, Dimitris Karadimas, Alexandros Spournias, Christos Panagiotou, Ignantios Fotiou, Ioannis Symeonidis, Christos Antonopoulos, Michael Hu?bner, Nikolaos Voros, *A distributed Embedded Systems IoT platform and Associated services Supporting Shopping Cart for Disabled People*, **35?? Symposium on Integrated Circuits and Systems Design**, August 22nd ⬡ 26th, Rio Grande do Sul state, Brazil, 2022

- Evanthia Faliagka, Georgia Kaisari, Spyridon T. Mavrikis, Alexandros Spournias, Christos Antonopoulos, Nikolaos Voros, *Covid-19 protection in AAL environments using thermal and web cameras*, **11th Mediterranean Conference on Embedded Computing (MECO)**, June 7th ⬡ 10th, Budva, Montenegro, 2022

2021 (2)

- A. Spournias, E. Faliagka, C. Antonopoulos, G. Keramidas and N. Voros, *Social Distance Monitoring using AI techniques in AAL environments*, **IEEE International Conference on Smart Internet of Things (SmartIoT)**, August 13th ⬡ 15th 2021, Jeju Island, South Korea, 2021

- Alexandros Spournias, Panagiotis Bountas, Evanthia Faliagka, Dimitris Kontargiris, Christos Antonopoulos, Georgios Keramidas, Nikolaos S. Voros, *Smart health monitoring using AI techniques in AAL environments*, **10th Mediterranean Conference on Embedded Computing (MECO)**, June 7th ⬡ 10th 2021, Budva, Montenegro, 2021

2020 (2)

- Alexandros Spournias, Evanthia Faliagka, Christos P. Antonopoulos, Nikolaos S. Voros, *Knowledge diffusion through experiential education, focusing on robotic technologies, virtual reality and internet of things*, **PCI 2020: 24th Pan-Hellenic Conference on Informatics**, November 20th ⬡ 22th Athens, Greece, 2020

- Alexandros Spournias, Georgios Keramidas, Christos Antonopoulos, Nikolaos Voros, Radovan Stojanovic, *Enhancing visual recognition for door status identification in AAL robots via machine learning*, **9th Mediterranean Conference on Embedded Computing**, 8th ⬡ 11th

June, Budva, Montenegro, 2020

2019 (2)

- Spournias, T. Skandamis, E. Pappas, Ch. Antonopoulos, N. S. Voros, *Enchancing SLAM method for mapping and tracking using a low cost laser scanner*, **10th IEEE International Conference on Information, Intelligence, Systems and Applications (IISA 2019)**, July 15th 17th, Patra, Greece, 2019

- Georgios Keramidas, Christos Antonopoulos, Alexandros Spournias, Nikolaos S. Voros, Fynn Schwiegelshohn, Diana Göhringer, Evaggelinos Mariatos, *Optimizing the Operational Time of AAL Robots*, **IEEE Consumer Electronics Magazine**, Link to Article, IEEE, 2019

2018 (2)

- Alexandros Spournias, Konstantinos Christopoulos, Kostas Antonopoulos, Christos Panagiotou, Christos Antonopoulos, Theofanis Orfanoudakis, Nikolaos Voros, *Experimental Evaluation of a Novel Personal Assistant in Greek Language for Ambient Assisted Living Environments employing home robots*, **?EEE South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference**, September 22nd 24th, Kastoria, Greece, 2018

- Christos P. Antonopoulos, Christos Panagiotou, Konstantinos Antonopoulos, Alexandros Spournias, Nikolaos Voros, Fynn Schwiegelshohn, Philipp Wehner, Michael Huebner, Diana Göhringer, Raquel Ventura, Alberto Fernández, Georgios Stavrinos, Evangelinos Mariatos, *Integrating Robots and WSN: communications and interfacing aspects*, **RADIO -- Robots in Assisted Living**, 47 - 82, Springer, 2018

2017 (1)

- Alexandros Spournias, Theodore Skandamis, Christos P. Antonopoulos, Nikolaos S. Voros, *Door Detection Algorithm Development Based on Robotic Vision and Experimental Evaluation on Prominent Embedded Systems*, **19th International Conference on Speech and Computer (SPECOM 2017)**, September 12th -16th, Hertfordshire, United Kingdom, 2017

2016 (1)

- Kostantinos Christopoulos, Alexandros Spournias, Theofanis Orfanoudakis, Christos Antonopoulos, Nikolaos Voros, *Designing the Next Generation of Home Automation Combining IoT and Robotic Technologies*, **20th Panhellenic Confernece on Informatics**, November 10th 12th, Patra, Greece, 2016