

Curriculum Vitae

Personal Information

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Studies

October 2018 – Present MPhil in Advanced Technologies in Informatics and Computers at IHU. Awarded a scholarship fully covering the expenses.

September 2013 – May 2018 Computer and Informatics Engineering at the Eastern Macedonia and Thrace Institute of Technology (University of Applied Sciences). Finished with an excellent grade (8.5 out of 10)

Projects - Experience

December 2018 – September 2020 Participating as a researcher at the funded research project “Social robots as tools in special education” (IHU/ Department of Computer & Informatics Engineering/HUMAIN Lab). In this project my main occupation was the development of Computer Vision Algorithms.

November 2017 – May 2018 Final thesis “Car identification using machine biometrics”. The aim of the final thesis was to identify cars from the sound of their engine, by firstly extracting useful features from the sound waves and then using machine learning techniques identify them.

Software-Oriented Knowledge

Operating Systems:	Windows 7/10, Linux
Programming Languages:	Python, C#.
IDE:	Visual Studio, PyCharm
Simulation:	MATLAB
Application Software:	Microsoft Office
CASE tools:	Microsoft Visio
Engineering skills:	Programming of the NAO social robot by using the NAOqi library Object Oriented Programming. Intermediate of parallelization. Authorship of scientific and research papers.
Fields of knowledge:	Computer vision with OpenCV, Machine and Deep Learning and Data Analysis

Publications

George Sidiropoulos, George A Papakostas, Chris Lytridis, Christos Bazinas, Vassilis Kaburlasos, Efi Kourampa, and Elpida Karageorgiou. 2020. **Measuring Engagement Level in Child-Robot Interaction Using Machine Learning Based Data Analysis**. In 2020 International Conference on Data Analytics for Business and Industry: Way Towards a Sustainable Economy (ICDABI) (Data'20).

Sidiropoulos, G., Kiourt C. and Moussiades, L., (2020), “**Metis: Multi-Agent Based Crisis Simulation System**”, Games and AI, Technological, Cultural and Societal aspects (SETN 2020 Workshop), September 2nd-4th - Athens, Greece

G. K. Sidiropoulos, C. Bazinas, C. Lytridis, G. A. Papakostas, V. G. Kaburlasos, P. Kechayas, E. Kourampa, S.-R. Katsi, H. Karatsioras, “**Synergy of intelligent algorithms for efficient child-robot interaction in special education: a feasibility study**”, 11th International Conference on Robotics in Education (RiE), Bratislava, Slovakia, 30 September – 2 October 2020 (accepted)

Lytridis C, Bazinas C, Sidiropoulos G, Papakostas GA, Kaburlasos VG, Nikopoulou V-A, Holeva V, Evangelidou A. **Distance Special Education Delivery by Social Robots**. *Electronics*. 2020; 9(6):1034.

C. Lytridis, E. Vrochidou, G. Sidiropoulos, G. A. Papakostas, V. G. Kaburlasos, E. Kourampa, El. Karageorgiou, “**Audio Signal Recognition Based on Intervals’ Numbers (Ins) Classification Techniques**”, in 10th International Conference on Information, Intelligence, Systems and Applications (IISA2019), Patras, Greece, September 2019.

G.A. Papakostas, G. Sidiropoulos, M. Bella, V. Kaburlasos, “**Social robots in special education: current status and future challenges**”, No. 18-2, Proceedings of the 2018 JSME Conference on Robotics and Mechatronics (ROBOMECH 2018), Kitakyushu, Japan, 2-5 June 2018, poster 1P1-A15.

P.I. Kiratsa, G.K. Sidiropoulos, E.V. Badeka, C.I. Papadopoulou, A.P. Nikolaou, G.A. Papakostas, “**Gender Identification Through Facebook Data Analysis Using Machine Learning Techniques**”, in 22nd Pan-Hellenic Conference on Informatics (PCI 2018), Athens, Greece, 2018.