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Date of Birth: November 06, 1978, Pafos, Cyprus Nationality: Cypriot

EDUCATION	2010 Ph.D. in Electrical and Computer Engineering - Democritus University of Thrace, Greece. Dissertation: "DESCRIPTION AND RETRIEVAL OF THE VISUAL CONTENT OF MULTIMEDIA INFORMATION BASED ON INTELLIGENT TECHNIQUES" 2005 Diploma in Electrical and Computer Engineering - Democritus University of Thrace, Greece. Dissertation: "CONTENT-BASED IMAGE RETRIEVAL: APPROACHES AND TRENDS"
SCIENTIFIC INTERESTS	<ol style="list-style-type: none">1. Machine Learning, Deep Learning, and Artificial Intelligence: Neural Networks, Reinforcement Learning, Semi-Supervised Learning, Stochastic, and Bayesian Models, Kernel-Based Approaches, Fuzzy Logic2. Computer Vision: Digital Signal, Image, and Video Processing, Pattern Recognition, Visual Simultaneous Localization, and Mapping, Image Segmentation, Visual Multimedia Encryption, Image Classification, Image, and Video Retrieval3. Robotics, and Automatic Control: Autonomous Navigation of Teams of Unmanned Ground, Aerial and Underwater Vehicles, Educational Robotics4. Distributed Ledger Technologies: Designing and Developing of Special-Purpose Decentralized Applications - Blockchain5. Learning Technologies: Affecting Tutoring Systems, Effects of Computer Supported Cooperative Work
ACADEMIC POSITIONS	2017 - Today Associate Professor of Artificial Intelligence, Neapolis University Pafos . 2016 - 2017 Visiting Lecturer at Neapolis University Pafos , Department of Computer Science, Cyprus. 2016 - 2017 Visiting Lecturer at Alpen-Adria University , Faculty of Technical Sciences, Klagenfurt, Austria. 2013 - 2017 Adjunct Lecturer at the Cyprus University of Technology , Department of Electrical Engineering, Computer Engineering and Informatics, Cyprus. 2011 - 2016 Postdoctoral Researcher, Democritus University , Department of Electrical & Computer Engineering, Greece. 2011 - 2016 Postdoctoral Researcher, Centre for Research and Technology Hellas , Information Technologies Institute, Greece. 2011 - 2013 Adjunct Lecturer at the Cyprus University of Technology , Department of Civil Engineering and Geomatics, Cyprus. 2009 - 2010 Marie Curie Fellow, Chalkis Institute of Technology , Greece.
ADMINISTRATIVE DUTIES	2021 - Today Horizon Europe " Cluster 4: Digital, Industry, and Space " Programme Committee member 2021 - Today Member of the Cyprus-CERN National Committee 2020 - Today Member of the Parallel Parliament of the Republic of Cyprus , participating in the Parallel Parliament's Committee on Innovation and E-Government 2019 - Today Head of the Quality Assurance Committee of the University - Neapolis University Pafos 2018 - Today Member of the University Senate - Neapolis University Pafos 2018 - Today Head of the NUP's Research Department - Neapolis University Pafos 2017 - Today Director of the Intelligence Systems Lab - Department of Computer Science - Neapolis University Pafos 2017 - Today Head of the Department of Computer Science - Neapolis University Pafos . During my tenure, the Department was evaluated and successfully accredited by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA). 2017 - Today Coordinator of the Applied Computer Science Programme, Department of Computer Science - Neapolis University Pafos . During my tenure, the Programme was evaluated and successfully accredited by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA), the Middlesex University, the European Federation of National Engineering Associations, and the Cyprus Technical Chamber (ETEK).

STATISTICS:

Source	Citations	H-Index	Source	Citations	H-Index
Google Scholar Citations	> 3400	26	Scopus	> 2150	22

INTERNATIONAL SCIENTIFIC JOURNALS:

- J[42]. Z. Zinonos, S. Gkelios, A. Khalifeh, Y. Boutalis, D. Hadjimitsis, and **S. A. Chatzichristofis**, "GRAPE LEAF DISEASES IDENTIFICATION SYSTEM USING CONVOLUTIONAL NEURAL NETWORKS AND LORA TECHNOLOGY", «IEEE Access», IEEE, Under Review, 2021.
- J[41]. G. Tsalmipouris, N. Gertsakis, G. Tsinarakis, **S. A. Chatzichristofis** and L. Doitsidis "HYDRA: INTRODUCING A LOW-COST FRAMEWORK FOR STEM EDUCATION USING OPEN TOOLS", «Electronics», Under Review, 2021.
- J[40]. G. Kyprianou, L. Doitsidis, and **S. A. Chatzichristofis**, "TOWARDS THE ACHIEVEMENT OF PATH PLANNING WITH MULTI ROBOT SYSTEMS IN DYNAMIC ENVIRONMENTS", «Journal of Intelligent & Robotic Systems», Springer, Under Minor Revision, 2021.
- J[39]. N. P. Bakas, A. Langousis, M. Nicolaou, and **S. A. Chatzichristofis**, "GRADIENT FREE TRAINING OF ANNS, WITH LOCAL APPROXIMATION IN PARTITIONS", «IEEE Transactions on Artificial Intelligence», IEEE, Under Minor Revision, 2021.
- J[38]. N. P. Bakas, V. Plevris, S. Langousis, and **S. A. Chatzichristofis**, "ITSO: A NOVEL INVERSE TRANSFORM SAMPLING-BASED OPTIMIZATION ALGORITHM FOR STOCHASTIC SEARCH", «Stochastic Environmental Research and Risk Assessment», Springer, Accepted for Publication, 2021.
- J[37]. S. Gkelios, A. Sofokleous, S. Plakias, Y. Boutalis, and **S. A. Chatzichristofis**, "DEEP CONVOLUTIONAL FEATURES FOR IMAGE RETRIEVAL", «Expert Systems with Applications», Elsevier, vol. 177 (114940), September 1, 2021.
- J[36]. A. Sofokleous, P. Christodoulou, L. Doitsidis, and **S. A. Chatzichristofis**, "COMPUTER VISION MEETS EDUCATIONAL ROBOTICS", «Electronics», vol. 10(6), 730, March 19, 2021, 2021.
- J[35]. S. Evripidou, A. Amanatiadis, K. Christodoulou, and **S. A. Chatzichristofis**, "INTRODUCING ALGORITHMIC THINKING AND SEQUENCING USING TANGIBLE ROBOTS", «IEEE Transactions on Learning Technologies», IEEE, 14(1), 93-105, February 9, 2021.
- J[34]. E. G. Carayannis, K. Christodoulou, P. Christodoulou, **S. A. Chatzichristofis**, and Zinon Zinonos, "KNOWN UNKNOWN IN AN ERA OF TECHNOLOGICAL AND VIRAL DISRUPTIONS – IMPLICATIONS FOR THEORY, POLICY AND PRACTICE", «Journal of the Knowledge Economy», Springer, Accepted for Publication, 2021
- J[33]. S. Evripidou, K. Georgiou, L. Doitsidis, A. Amanatiadis, Z. Zinonos, and **S. A. Chatzichristofis**, "EDUCATIONAL ROBOTICS: PLATFORMS, COMPETITIONS AND EXPECTED LEARNING OUTCOMES", «IEEE Access», IEEE, vol. 8, pp. 219534 – 219562, December 4, 2020.
- J[32]. A. Amanatiadis, V.G. Kaburlasos, Ch. Dardani, **S. A. Chatzichristofis**, A. Mitropoulos, "SOCIAL ROBOTS IN SPECIAL EDUCATION: CREATING DYNAMIC INTERACTIONS FOR OPTIMAL EXPERIENCE", «IEEE Consumer Electronics Magazine», IEEE, vol. 9, no. 3, pp. 39-45, May 1, 2020.
- J[31]. K. Christodoulou, **S. A. Chatzichristofis**, G. Ch. Sirakoulis, and P. Christodoulou, "RANDOMBLOCKS: A TRANSPARENT, VERIFIABLE BLOCKCHAIN-BASED ALGORITHM FOR RANDOM NUMBERS", «Journal of Cellular Automata», 14(3-4), November 2019, pp 171-190.
- J[30]. D. Mastorodimos, and **S. A. Chatzichristofis**, "STUDYING AFFECTIVE TUTORING SYSTEMS FOR MATHEMATICAL CONCEPTS", «Journal of Educational Technology Systems», SAGE, 48(1), July 2019, pp 14–50.
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- J[28]. C. Iakovidou, M. Lux, N. Anagnostopoulos, K. Christodoulou, Y. Boutalis, and **S. A. Chatzichristofis**, "COMPOSITE DESCRIPTION BASED ON SALIENT CONTOURS AND COLOR INFORMATION FOR CBIR TASKS", «IEEE Transactions on Image Processing», IEEE, 28(6), June 2019, pp 3115-3129.
- J[27]. B. Zafar, R. Ashraf, N. Ali, M. Ahmed, S. Jabbar, **S. A. Chatzichristofis**, "IMAGE CLASSIFICATION BY ADDITION OF SPATIAL INFORMATION BASED ON HISTOGRAMS OF ORTHOGONAL VECTORS", «PLOS ONE», 13(6), June 8, 2018, pp 1-26.
- J[26]. S. A. Vassou, N. Anagnostopoulos, K. Christodoulou, A. Amanatiadis, and **S. A. Chatzichristofis**, "COMO: A SCALE AND ROTATION INVARIANT COMPACT COMPOSITE MOMENT-BASED DESCRIPTOR FOR IMAGE RETRIEVAL", «Multimedia Tools and applications», Springer, Volume 78(3), 2019, pp 2765–2788.
- J[25]. L. Doitsidis, G. Fouskitakis, K. Varikou, I. Rigakis, **S. A. Chatzichristofis**, A. Papafiippaki, A. Birouraki, "REMOTE MONITORING OF THE BACTROCERA OLEAE (GMEIN) (DIPTERA: TEPHRITIDAE) POPULATION USING AN AUTOMATED MCPHAIL TRAP", «Computers and Electronics in Agriculture», Elsevier, Volume 137, 2017, pp 69–78.
- J[24]. L. Bampis, **S. A. Chatzichristofis**, C. Iakovidou, A. Amanatiadis, Y. S. Boutalis, and A. Gasteratos, "LOCATE-BASED VISUAL PLACE RECOGNITION SYSTEM FOR MOBILE ROBOTICS AND GPGPUS", «Concurrency and Computation: Practice, and Experience», Wiley, Volume 30, Issue 7, 2018, pp 1-14.
- J[23]. A. Ch. Kapoutsis, **S. A. Chatzichristofis**, and E. Kosmatopoulos, "DARP: DIVIDE AREAS ALGORITHM FOR OPTIMAL MULTI-ROBOT COVERAGE PATH PLANNING", «Journal of Intelligent & Robotic Systems», Springer, June 2017, Volume 86, Issue 3, pp 663–680.
- J[22]. N. Ali, K. Bashir Bajwa, R. Sablatnig, **S. A. Chatzichristofis**, Z. Iqbal, and M. Rashid, "A NOVEL IMAGE RETRIEVAL BASED ON THE VISUAL WORDS FUSION OF SIFT AND SURF", «PLOS ONE», 11(6), June 17, 2016, pp 1-20.
- J[21]. A. Kapoutsis, **S. A. Chatzichristofis**, L. Doitsidis, E. Kosmatopoulos, J. Sousa, J. Pinto, and J. Braga, "REAL-TIME ADAPTIVE MULTI-ROBOT EXPLORATION WITH APPLICATION TO UNDERWATER MAP CONSTRUCTION", «Autonomous Robots», Springer, Volume 40, Issue 6, August 2016, pp 987–1015.

- J[20]. C. Iakovidou, N. Anagnostopoulos, A. Kapoutsis, Y. Boutalis, M. Lux, and **S. A. Chatzichristofis**, "LOCALIZING GLOBAL DESCRIPTORS FOR CONTENT BASED IMAGE RETRIEVAL. SIMPLIFYING THE SIMPLE FAMILY OF DESCRIPTORS", «EURASIP Journal on Advances in Signal Processing», Springer, Volume 2015, Issue 80, September 7, 2015, pp 1-20, 2015.
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- J[18]. E. G. Karakasis, A. Amanatiadis, A. Gasteratos, and **S. A. Chatzichristofis**, "IMAGE MOMENTS AS LOCAL FEATURES FOR CONTENT BASED IMAGE RETRIEVAL USING THE BAG-OF-VISUAL-WORDS MODEL", «Pattern Recognition Letters», Elsevier, Volume 55, April 1, 2015, pp 22–27, 2015.
- J[17]. L. Bampis, C. Iakovidou, **S. A. Chatzichristofis**, Y. Boutalis, and A. Amanatiadis, "REAL-TIME INDEXING FOR LARGE IMAGE DATABASES: COLOR AND EDGE DIRECTIVITY DESCRIPTOR ON GPU", «The Journal of Supercomputing», Springer, Volume 71, Issue 3, pp 909-937, 2015.
- J[16]. N. P. Bitsakidis, **S. A. Chatzichristofis**, G.Ch. Sirakoulis, "HYBRID CELLULAR ANTS FOR CLUSTERING PROBLEMS", «International Journal of Unconventional Computing», Volume 11, pp. 103–130, 2015.
- J[15]. A. Amanatiadis, **S. A. Chatzichristofis**, "HOW SMART ARE THE SMARTPHONES? BRIDGING THE MARKETING AND IT GAP", «IEEE Consumer Electronics Magazine», IEEE, Volume 4, Issue 3, pp 51–54, 2014.
- J[14]. D. Scaramuzza, M.C. Achtelik, L. Doitsidis, F. Fraundorfer, E.B. Kosmatopoulos, A. Martinelli, M.W. Achtelik, M. Chli, **S. A. Chatzichristofis**, L. Kneip, D. Gurdan, L. Heng, G.H. Lee, S. Lynen, L. Meier, M. Pollefeys, A. Renzaglia, Roland Siegwart, J.C. Stumpf, P. Tanskanen, C. Troiani, and S. Weiss, "VISION-CONTROLLED MICRO FLYING ROBOTS: FROM SYSTEM DESIGN TO AUTONOMOUS NAVIGATION AND MAPPING IN GPS-DENIED ENVIRONMENTS", «IEEE Robotics and Automation Magazine», IEEE, Volume 21, Issue 3, pp 26–40, 2014.
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- J[12]. E. Chatzistavros, **S. A. Chatzichristofis**, K. Zagoris, and G. Stamatellos, "CONTENT-BASED IMAGE RETRIEVAL OVER IEEE 802.11B NOISY WIRELESS NETWORKS", «International Journal of Communication Systems», Volume 28, Issue 8, pp 1432–1449, Wiley, 2015.
- J[11]. A. Amanatiadis, **S. A. Chatzichristofis**, K. Charalampous, L. Doitsidis, E. B. Kosmatopoulos, P. Tsalides, A. Gasteratos, and S. Roumeliotis, "A MULTI-OBJECTIVE EXPLORATION STRATEGY FOR MOBILE ROBOTS UNDER OPERATIONAL CONSTRAINTS", «IEEE Access», Volume 1, October 2013, pp 691–702, IEEE.
- J[10]. D. P. Papadopoulos, V. S. Kalogeiton, **S. A. Chatzichristofis**, and N. Papamarkos, "AUTOMATIC SUMMARIZATION AND ANNOTATION OF VIDEOS WITH LACK OF METADATA INFORMATION", «Expert Systems with Applications», Volume 40, Issue 14, October 2013, pp 5765–5778, Elsevier.
- J[9]. **S. A. Chatzichristofis**, C. Iakovidou, Y. S. Boutalis, and E. Angelopoulou, "MEAN NORMALIZED RETRIEVAL ORDER (MNRO). A NEW CONTENT-BASED IMAGE RETRIEVAL PERFORMANCE MEASURE", «Multimedia Tools and Applications», Volume 70, Issue 3, June 2014, pp 1767-1798, Springer.
- J[8]. **S. A. Chatzichristofis**, C. Iakovidou, Y. S. Boutalis, and O. Marques "CO.VI.WO.: COLOR VISUAL WORDS BASED ON NON-PREDEFINED SIZE CODEBOOKS", «IEEE Transactions on Cybernetics», Volume 43 (1), February 2013, pp. 192–205, IEEE.
- J[7]. Avi Arampatzis, K. Zagoris, and **S. A. Chatzichristofis**, "DYNAMIC TWO-STAGE IMAGE RETRIEVAL FROM LARGE MULTIMEDIA DATABASES", «Information Processing & Management (IP&M)», Volume 49, January 2013, pp. 274–285, Elsevier.
- J[6]. K. Zagoris, **S. A. Chatzichristofis**, and N. Papamarkos, "TEXT LOCALIZATION USING STANDARD DEVIATION ANALYSIS OF STRUCTURE ELEMENTS AND SUPPORT VECTOR MACHINES", «EURASIP Journal on Advances in Signal Processing», Volume 2011:47, September 2011, pp.1-12, Springer.
- J[5]. **S. A. Chatzichristofis**, Y. S. Boutalis, and Avi Arampatzis, "FAST RETRIEVAL FROM IMAGE DATABASES VIA BINARY HAAR WAVELET TRANSFORM ON THE COLOR AND EDGE DIRECTIVITY DESCRIPTOR", «International Journal on Advances in Networks and Services», Volume 4, Number 1 & 2, September 2011, pp. 223-231. (Invited Contribution)
- J[4]. **S. A. Chatzichristofis**, D. Mitziias, G. Ch. Sirakoulis, and Y. S. Boutalis, "A NOVEL CELLULAR AUTOMATA BASED TECHNIQUE FOR VISUAL MULTIMEDIA CONTENT ENCRYPTION", «Optics Communications», Volume 283, Issue 21, November 2010, pp. 4250-4260, Elsevier.
- J[3]. **S. A. Chatzichristofis**, Avi Arampatzis, and Y. S. Boutalis, "INVESTIGATING THE BEHAVIOR OF COMPACT COMPOSITE DESCRIPTORS IN EARLY FUSION, LATE FUSION AND DISTRIBUTED IMAGE RETRIEVAL", «Radioengineering», Volume 19, Number 4, 2010, pp.725-733.
- J[2]. **S. A. Chatzichristofis**, K. Zagoris, Y. S. Boutalis, and N. Papamarkos, "ACCURATE IMAGE RETRIEVAL BASED ON COMPACT COMPOSITE DESCRIPTORS AND RELEVANCE FEEDBACK INFORMATION", «International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)», Volume 24, Issue 2, February 2010, pp. 207-244, World Scientific.
- J[1]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "CONTENT BASED RADIOLOGY IMAGE RETRIEVAL USING A FUZZY RULE BASED SCALABLE COMPOSITE DESCRIPTOR", «Multimedia Tools and Applications», Volume 46, Issue 2-3, January 2010, pp. 493-519, Springer.

BOOK CHAPTERS:

- BC[3]. N. P. Bitsakidis, N. I. Dourvas, **S. A. Chatzichristofis**, G. Ch. Sirakoulis, "CELLULAR AUTOMATA ANTS", «Advances in Unconventional Computing Volume 23 of the series Emergence, Complexity, and Computation», A. Adamatzky (Eds), pp 591-614. 2017.
- BC[2]. A. Ch. Kapoutsis, **S. A. Chatzichristofis**, G. Ch. Sirakoulis, L. Doitsidis, and E. B. Kosmatopoulos, "EMPLOYING CELLULAR AUTOMATA FOR SHAPING ACCURATE MORPHOLOGY MAPS USING SCATTERED DATA FROM ROBOTICS' MISSIONS", «Robots, and Lattice Automata, Emergence, Complexity, and Computation Volume 13, Springer-Verlag», G. Sirakoulis, A. Adamatzky (Eds), pp 229-246. 2015.
- BC[1]. **S. A. Chatzichristofis**, Y. S. Boutalis, and M. Lux, "COMBINING COLOR AND SPATIAL COLOR DISTRIBUTION INFORMATION IN A FUZZY

INTERNATIONAL SCIENTIFIC CONFERENCES:

C[54]. S. Evripidou, L. Doitsidis, G. TsinarakisA., Z. Zinonos, and **S. A. Chatzichristofis**, "SELECTING A ROBOTIC PLATFORM FOR EDUCATION", «40th IEEE International Conference on Consumer Electronics (ICCE2022)», January 7-9, 2022, Las Vegas, USA, Submitted for Publication

C[53]. A. Sophokleous, A. Amanatiadis, S. Gkelios, and **S. A. Chatzichristofis**, "EDUCATIONAL ROBOTICS IN THE SERVICE OF THE GESTALT SIMILARITY PRINCIPLE", «40th IEEE International Conference on Consumer Electronics (ICCE2022)», January 7-9, 2022, Las Vegas, USA, Submitted for Publication

C[52]. G. Kyprianou, A. Karousou, N. Makris, I. Sarafis, **S. A. Chatzichristofis**, and A. Amanatiadis, "HOW AN EDUCATIONAL ROBOT SHOULD LOOK LIKE: THE STUDENTS' PERSPECTIVE", «40th IEEE International Conference on Consumer Electronics (ICCE2022)», January 7-9, 2022, Las Vegas, USA, Accepted for Publication

C[51]. S. Gkelios, Y. Boutalis, **S. A. Chatzichristofis**, "INVESTIGATING THE VISION TRANSFORMER MODEL FOR IMAGE RETRIEVAL TASKS", «17th IEEE International Conference on Distributed Computing in Sensor Systems, DCOSS», pp. 367-373, 14-16 July 2021, Pafos, Cyprus.

C[50]. G. Eleftheriou, L. Doitsidis, Z. Zinonos, and **S. A. Chatzichristofis**, "A FUZZY RULE-BASED CONTROL SYSTEM FOR FAST LINE-FOLLOWING ROBOTS", «16th IEEE International Conference on Distributed Computing in Sensor Systems, DCOSS», pp. 388-395, 15-17 June 2020, Los Angeles, United States.

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C[48]. A. Khalifeh, H. Abed, K. Darabkh, **S. A. Chatzichristofis**, and Z. Zinonos, "DOUBLE MOBILE SINKS ARCHITECTURE FOR WSN DATA GATHERING, and CRITICAL EVENTS DETECTION", «16th IEEE International Conference on Distributed Computing in Sensor Systems, DCOSS», pp. 436-441, 15-17 June 2020, Los Angeles, United States.

C[47]. Z. Zinonos, P. Christodoulou, A. Andreou, and **S. A. Chatzichristofis**, "PARKCHAIN: AN IOT PARKING SERVICE BASED ON BLOCKCHAIN", «15th IEEE International Conference on Distributed Computing in Sensor Systems, DCOSS», pp. 687-693, 29-31 May 2019, Santorini, Greece

C[46]. D. Mastorodimos, **S. A. Chatzichristofis**, A. Jimoyiannis, and K. Christodoulou, "MAKING SENSE OF FRACTIONS USING E-LEARNING PLATFORMS - A SURVEY", «2018 IEEE International Conference on Innovations in Intelligent Systems and Applications (INISTA 2018)», pp. 1-6, July 3-5, 2018, Thessaloniki, Greece.

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C[42]. A. Amanatiadis, V.G. Kaburlasos, Ch. Dardani, **S. A. Chatzichristofis**, "INTERACTIVE SOCIAL ROBOTS IN SPECIAL EDUCATION", «7th IEEE International Conference on Consumer Electronics (ICCE2017)», September 1-6, 2017, pp. 126-129, Berlin, Germany.

C[41]. S. A. Vassou, N. Anagnostopoulos, A. Amanatiadis, K. Christodoulou, and **S. A. Chatzichristofis**, "COMO: A COMPACT COMPOSITE MOMENT-BASED DESCRIPTOR FOR IMAGE RETRIEVAL", «15th International Workshop on Content-Based Multimedia Indexing (CBMI 2017)», June 19-21, 2017, Florence, Italy, 2017. DOI: 10.1145/3095713.3095744.

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C[37]. A. Ch. Kapoutsis, G. Salavasidis, **S. A. Chatzichristofis**, J. Braga, J. Pinto, J. B. Sousa, E. B. Kosmatopoulos, "THE NOPTILUS PROJECT OVERVIEW: A FULLY-AUTONOMOUS NAVIGATION SYSTEM OF TEAMS OF AUVS FOR STATIC/DYNAMIC UNDERWATER MAP CONSTRUCTION", «IFAC Workshop on Navigation, Guidance, and Control of Underwater Vehicles (NGCUV'2015)», April 28-30, 2015, Girona – Catalonia (Spain), 2015.

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on Imaging Systems, and Techniques (IST' 2014)", pp. 134 – 137, October 14-17, 2014, Santorini – Greece.

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C[33]. C. Iakovidou, N. Anagnostopoulos, A. Ch. Kapoutsis, Y. Boutalis, and **S. A. Chatzichristofis**, "SEARCHING IMAGES WITH MPEG-7 (& MPEG-7 LIKE) POWERED LOCALIZED DESCRIPTORS: THE SIMPLE ANSWER TO EFFECTIVE CONTENT BASED IMAGE RETRIEVAL", «12th International Content-Based Multimedia Indexing Workshop», June 18-20, 2014, Klagenfurt – Austria.

C[32]. L. T. Tsochatzidis, C. Iakovidou, **S. A. Chatzichristofis**, and Y. S. Boutalis, "GOLDEN RETRIEVER - A JAVA BASED OPEN-SOURCE IMAGE RETRIEVAL ENGINE", «ACM Multimedia 2013 (MM' 13)", October 21-25, 2013, pp. 847 - 850, Barcelona – Spain.

C[31]. A. Ch. Kapoutsis, **S. A. Chatzichristofis**, L. Doitsidis, J. Borges de Sousa, and E. B. Kosmatopoulos, "AUTONOMOUS NAVIGATION OF TEAMS OF UNMANNED AERIAL OR UNDERWATER VEHICLES FOR EXPLORATION OF UNKNOWN STATIC & DYNAMIC ENVIRONMENTS", «21st Mediterranean Conference on Control, and Automation, (MED'13)", pp. 1181 - 1188, June 25 – 28, 2013, Platanias-Chania, Crete – Greece.

C[30]. A. Renzaglia, L. Doitsidis, **S. A. Chatzichristofis**, A. Martinelli, and E. B. Kosmatopoulos, "DISTRIBUTED MULTI-ROBOT COVERAGE USING MICRO AERIAL VEHICLES", «21st Mediterranean Conference on Control, and Automation, (MED'13)", pp. 963 - 968, June 25 – 28, 2013, Platanias-Chania, Crete – Greece.

C[29]. M. Achtelik, M. Achtelik, Y. Brunet, M. Chli, **S. A. Chatzichristofis**, J.D. Decotignie, K.M. Doth, F. Fraundorfer, L. Kneip, D. Gurdan, L. Heng, E. Kosmatopoulos, L. Doitsidis, G.H. Lee, S. Lynen, A. Martinelli, L. Meier, M. Pollefeys, D. Piguet, A. Renzaglia, D. Scaramuzza, R. Siegwart, J. Stumpf, P. Tanskanen, C. Troiani, and S. Weiss, "SFLY: SWARM OF MICRO FLYING ROBOTS", «IEEE/RSJ International Conference on Intelligent Robots, and Systems (IROS 2012)", pp. 2649 - 2650, October 7 – 12, 2012, Vilamora, Algarve, Portugal. (**Finalist for the Best IROS 2012 Video Award**)

C[28]. **S. A. Chatzichristofis**, O. Marques, M. Lux, and Y. Boutalis, "IMAGE ENCRYPTION USING THE RECURSIVE ATTRIBUTES OF THE EXCLUSIVE-OR FILTER ON CELLULAR AUTOMATA", «ACRI 2012, Cellular Automata for Research, and Industry», Lecture Notes in Computer Science, pp. 340 - 350, September 24 –27, 2012, Santorini, Greece.

C[27]. **S. A. Chatzichristofis**, A. Ch. Kapoutsis, E. B. Kosmatopoulos, L. Doitsidis, D. Rovas, and Joao Borges de Sousa, "THE NOPTILUS PROJECT: AUTONOMOUS MULTI-AUV NAVIGATION FOR EXPLORATION OF UNKNOWN ENVIRONMENTS", «IFAC Workshop on Navigation, Guidance, and Control of Underwater Vehicles (NGCUV'2012)", pp. 373-380, April 10 –12, 2012, Porto, Portugal.

C[26]. L. T. Tsochatzidis, A. Ch. Kapoutsis, N. I. Dourvas, **S. A. Chatzichristofis**, Y. S. Boutalis, and K. Zagoris, "TSOKADO: AN IMAGE SEARCH ENGINE PERFORMING RECURSIVE QUERY RECOMMENDATION BASED ON VISUAL INFORMATION", «The Fifth International Conference on Advances in Computer-Human Interactions (ACHI 2012)", pp. 106–111, January 30 – February 2, 2012, Valencia, Spain.

C[25]. **S. A. Chatzichristofis**, K. Zagoris, Y. Boutalis, and Avi Arampatzis, "A FUZZY RANK-BASED LATE FUSION METHOD FOR IMAGE RETRIEVAL", «The 18thInternational MultiMedia Modeling Conference (IMMM)", Lecture Notes in Computer Science, Lecture Notes in Computer Science, pp. 463–472, January 4-6, 2012, Klagenfurt, Austria.

C[24]. Avi Arampatzis, K. Zagoris, and **S. A. Chatzichristofis**, "DUTH AT IMAGECLEF 2011 WIKIPEDIA RETRIEVAL", In Working Notes, «Conference on Multilingual, and Multimodal Information Access Evaluation (CLEF 2011), ImageClef, Wikipedia Retrieval Task», September 19 to 22, 2011, Amsterdam, Netherlands.

C[23]. **S. A. Chatzichristofis**, C. Iakovidou, and Y. S. Boutalis, "CONTENT BASED IMAGE RETRIEVAL USING VISUAL-WORDS DISTRIBUTION ENTROPY", «5th International Conference on Computer Vision / Computer Graphics Collaboration Techniques and Applications – MIRAGE 2011», Lecture Notes in Computer Science, pp. 204-215, October 10-12, 2011, Rocquencourt, France.

C[22]. D. P. Papadopoulos, **S. A. Chatzichristofis**, and N. Papamarkos, "VIDEO SUMMARIZATION USING A SELF-GROWING AND SELF-ORGANIZED NEURAL GAS NETWORK", «5th International Conference on Computer Vision / Computer Graphics Collaboration Techniques and Applications – MIRAGE 2011», Lecture Notes in Computer Science, pp. 216-226, October 10-12, 2011, Rocquencourt, France.

C[21]. **S. A. Chatzichristofis**, K. Zagoris, and Avi Arampatzis, "THE TREC FILES – THE (GROUND) TRUTH IS OUT THERE", «34th International ACM SIGIR conference on research, and development in Information Retrieval», ACM, July 24-28, 2011, Beijing, China.

C[20]. K. Zagoris, **S. A. Chatzichristofis**, and Avi Arampatzis, "BAG-OF-VISUAL-WORDS VS GLOBAL IMAGE DESCRIPTORS ON TWO-STAGE MULTIMODAL RETRIEVAL", «34th International ACM SIGIR conference on research, and development in Information Retrieval», ACM, July 24-28, 2011, Beijing, China.

C[19]. E. Chatzistavros, **S. A. Chatzichristofis**, G. Stamatellos, and K. Zagoris, "COMPARATIVE PERFORMANCE EVALUATION OF IMAGE DESCRIPTORS OVER IEEE 802.11B NOISY WIRELESS NETWORKS", «The 5th IEEE/FTRA International Conference on Multimedia, and Ubiquitous Engineering (MUE 2011)", IEEE Computer Society, pp. 128-133, June 28-30, 2011, Loutraki, Greece.

C[18]. Avi Arampatzis, K. Zagoris, and **S. A. Chatzichristofis**, "FUSION VS TWO-STAGE FOR MULTIMODAL RETRIEVAL", «The 33rd European Conference on Information Retrieval (ECIR2011)", Lecture Notes in Computer Science, pp. 759-762, April 19-21, 2011, Dublin, Ireland.

C[17]. Avi Arampatzis, K. Zagoris, and **S. A. Chatzichristofis**, "DYNAMIC TWO-STAGE IMAGE RETRIEVAL FROM LARGE MULTIMODAL DATABASES", «The 33rd European Conference on Information Retrieval (ECIR2011)", Lecture Notes in Computer Science, pp. 326-337, April 19-21, 2011, Dublin, Ireland.

C[16]. Avi Arampatzis, **S. A. Chatzichristofis**, and K. Zagoris, "MULTIMEDIA SEARCH WITH NOISY MODALITIES: NORMALIZATION, FUSION AND MULTISTAGE RETRIEVAL", In *Working Notes*, «Conference on Multilingual, and Multimodal Information Access Evaluation (CLEF 2010), ImageClef, Wikipedia Retrieval Task», September 20-23, 2010, Padova, Italy.

C[15]. K. Zagoris, Avi Arampatzis, and **S. A. Chatzichristofis**, "WWW.MMRETRIEVAL.NET: A MULTIMODAL SEARCH ENGINE", «3rd International Conference on Similarity Search and Applications (SISAP)", ACM New York, pp. 117-118, September 18-19, 2010, Istanbul, Turkey.

C[14]. **S. A. Chatzichristofis**, Y. S. Boutalis, and Avi Arampatzis, "ACCELERATING IMAGE RETRIEVAL USING BINARY HAAR WAVELET TRANSFORM ON THE COLOR AND EDGE DIRECTIVITY DESCRIPTOR", «The Fifth International Multi-Conference on Computing in the Global

Information Technology (ICCGI 2010)», IEEE Computer Society, pp. 41-47, September 20-25, 2010, Valencia, Spain. (Best Paper Award)

C[13]. K Zagoris, **S. A. Chatzichristofis**, N. Papamarkos, and Y. S. Boutalis, "AUTOMATIC IMAGE ANNOTATION AND RETRIEVAL USING THE JOINT COMPOSITE DESCRIPTOR.", «14th Pan-Hellenic Conference on Informatics with International Participation (PCI2010)», IEEE Computer Society, pp. 143-147, September 10-12, 2010, Tripoli, Greece.

C[12]. **S. A. Chatzichristofis**, Y. S. Boutalis, D. A. Karras, and B. G. Mertzios, "CONTENT BASED MRSI IMAGE INDEXING AND RETRIEVAL INVOLVING A FUZZY DESCRIPTOR.", «Imaging Systems, and Techniques (IST), 2010 IEEE International Conference on», pp. 373-378, July 1-2, 2010, Thessaloniki, Greece.

C[11]. **S. A. Chatzichristofis**, and Avi Arampatzis, "LATE FUSION OF COMPACT COMPOSITE DESCRIPTORS FOR RETRIEVAL FROM HETEROGENEOUS IMAGE DATABASES.", «33rd International ACM SIGIR conference on research, and development in Information Retrieval», July 19-23, 2010, Geneva, Switzerland.

C[10]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "PERFORMANCE STUDY OF THE MOST COMMONLY USED IMAGE RETRIEVAL EVALUATION METHODS", «The Sixth IASTED International Conference on Advances in Computer Science, and Engineering (ACSE)», ACTA PRESS, pp. 27-32, March 15-17, 2010, Sharm El Sheikh-Egypt.

C[9]. **S. A. Chatzichristofis**, Y. S. Boutalis, and M. Lux, "SPCD - SPATIAL COLOR DISTRIBUTION DESCRIPTOR. A FUZZY RULE BASED COMPACT COMPOSITE DESCRIPTOR APPROPRIATE FOR HAND DRAWN COLOR SKETCHES RETRIEVAL", «2nd International Conference on Agents, and Artificial Intelligence (ICAART)», pp. 58-63, January 22-24, 2010, Valencia-Spain. (Best Paper Award)

C[8]. K Zagoris, **S. A. Chatzichristofis**, N. Papamarkos, and Y. S. Boutalis, "IMG(ANAKTISI): A WEB CONTENT BASED IMAGE RETRIEVAL SYSTEM.", «2nd International Conference on Similarity Search and Applications (SISAP)», IEEE Computer Society, pp.154-155, August 29-30, 2009, Prague, Czech Republic.

C[7]. **S. A. Chatzichristofis**, Y. S. Boutalis, and M. Lux, "IMG(RUMMAGER): AN INTERACTIVE CONTENT BASED IMAGE RETRIEVAL SYSTEM", «2nd International Conference on Similarity Search and Applications (SISAP)», IEEE Computer Society, pp.151-153, August 29-30, 2009, Prague, Czech Republic.

C[6]. **S. A. Chatzichristofis**, Y. S. Boutalis, and M. Lux, "SELECTION OF THE PROPER COMPACT COMPOSITE DESCRIPTOR FOR IMPROVING CONTENT BASED IMAGE RETRIEVAL.", «The Sixth IASTED International Conference on Signal Processing, Pattern Recognition and Applications SPPRA 2009», ACTA PRESS, pp.134-140, February 17-19, 2009, Innsbruck, Austria.

C[5]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "CONTENT BASED MEDICAL IMAGE INDEXING AND RETRIEVAL USING A FUZZY COMPACT COMPOSITE DESCRIPTOR", «The Sixth IASTED International Conference on Signal Processing, Pattern Recognition and Applications SPPRA 2009», ACTA PRESS, pp.1-6, February 17- 19, 2009, Innsbruck, Austria.

C[4]. M. Lux, and **S. A. Chatzichristofis**, "LIRE: LUCENE IMAGE RETRIEVAL - AN EXTENSIBLE JAVA CBIR LIBRARY", «ACM International Conference on Multimedia 2008», ACM MM'08, pp.1085-1087, October 27-31, 2008, Vancouver, British Columbia.

C[3]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "CEDD: COLOR, and EDGE DIRECTIVITY DESCRIPTOR - A COMPACT DESCRIPTOR FOR IMAGE INDEXING, and RETRIEVAL.", «6th International Conference in advanced research on Computer Vision Systems (ICVS 2008)», Lecture Notes in Computer Science (LNCS), pp.312-322, May 12-15, 2008, Santorini, Greece.

C[2]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "FCTH: FUZZY COLOR AND TEXTURE HISTOGRAM- A LOW-LEVEL FEATURE FOR ACCURATE IMAGE RETRIEVAL", «9th International Workshop on Image Analysis for Multimedia Interactive Services», IEEE Computer Society, pp.191-196, May 7- 9, 2008, Klagenfurt, Austria.

C[1]. **S. A. Chatzichristofis**, and Y. S. Boutalis, "A HYBRID SCHEME FOR FAST AND ACCURATE IMAGE RETRIEVAL BASED ON COLOR DESCRIPTORS", «IASTED International Conference on Artificial Intelligence, and Soft Computing (ASC 2007)», ACTA PRESS, pp.280-285, August 29-31, 2007, Palma De Mallorca, Spain.

OTHER SCIENTIFIC PUBLICATIONS: (Conferences/Events without indexed proceedings)

O[6]. **S. A. Chatzichristofis**, G. N. Fouskitakis, L. Doitsidis, I. Rigakis, K. Varikou, "AUTOMATIC INSECT COUNTING USING A SMART MCPHAIL TRAP", «International Symposium on Ambient Intelligence, and Embedded Systems», 22 - 24 September 2016, Heraklion, Crete, Greece

O[5]. Lazaros T. Tsochatzidis, Athanasios C. Kapoutsis, Nikolaos I. Dourvas, **S. A. Chatzichristofis**, Yiannis S. Boutalis, "QUERY EXPANSION BASED ON VISUAL IMAGE CONTENT", «5th PanHellenic Scientific Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications», pp. 163-172, September 30 to October 1, 2011, Kastoria, Greece.

O[4]. A. Koutsokalis, K. Manolis, A. Vellios, Y. S. Boutalis, and **S. A. Chatzichristofis**, "WIRED, and WIRELESS METHODS FOR CONTROLLING A 5-DOF ROBOTIC ARM", «1st International Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications», pp. 197-203, October 14 to 15, 2010, Patra, Greece.

O[3]. V. S. Kalogeiton, D. P. Papadopoulos, **S. A. Chatzichristofis**, and Y. S. Boutalis, "A NOVEL VIDEO SUMMARIZATION METHOD BASED ON COMPACT COMPOSITE DESCRIPTORS, and FUZZY CLASSIFIER", «1st International Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications», pp. 237-246, October 14 to 15, 2010, Patra, Greece. (Best Paper Award)

O[2]. A. Arvanitidis, **S. A. Chatzichristofis**, O. Bouzios, and Y. S. Boutalis, "DESIGNING, and DEVELOPMENT OF A PUZZLE SOLVER SYSTEM USING MORPHOLOGICAL ASSOCIATIVE MEMORIES", «1st International Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications», pp. 67-76, October 14 to 15, 2010, Patra, Greece.

O[1]. C. Mavrikakis, T. Kyrgos, **S. A. Chatzichristofis**, "AN OPEN-SOURCE SET OF LIBRARIES TO CONTROL A 5-DOF ROBOTIC ARM", «1st International Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications», pp. 57-66, October 14 to 15, 2010, Patra, Greece.

BOOKS:

B[1]. **S. A. Chatzichristofis**, and Y. S. Boutalis,
"COMPACT COMPOSITE DESCRIPTORS FOR CONTENT-BASED IMAGE RETRIEVAL - BASICS, CONCEPTS, TOOLS",
ISBN 978-3-639-37391-2, International Book Market Service Ltd.,
VDM Verlag Dr. Müller GmbH & Co. KG, Germany, 216 pages, August 2011.



POPULAR SCIENCE BOOKS:

B[2]. **S. A. Chatzichristofis**,
"CHROMATOGNOSIA - THE LOST COLORS (ΧΡΩΜΑΤΟΓΝΩΣΙΑ – ΑΝΑΖΗΤΩΝΤΑΣ ΤΙΣ ΧΑΜΕΝΕΣ ΑΠΟΧΡΩΣΕΙΣ)",
Chapter Book / Children's Book (in Greek), Itanos Publications, Athens, 2018

Through a simple story, school-age children can understand the way human vision/ computer vision operates, learn about colors and ideals such as love, nature, and diversity.



PARTICIPATION IN INTERNATIONAL RESEARCH PROJECTS

1. **SML: Sharing my Learning (Platform-Network-Toolkit)**
Coordinator: Middlesex University
Partner: Neapolis University Pafos
Funded by ERASMUS+ KA2
Role: Project Manager, Principal Investigator, Senior Researcher
Budget: € 299.968
2. **YOUTHShare**
Coordinator: university of Aegean
Partner: Neapolis University Pafos
Funded by EEA and Norway Grants Fund
Role: Senior Researcher
Budget: € 2.126.186
3. **IN4COHESION: Information and Awareness for Cohesion Policy via Media**
Coordinator: IMH
Partner: Neapolis University Pafos
Funded by the European Regional Development Fund (ERDF), and the Cohesion Fund, and one from the European Social Fund (ESF)
Role: Senior Researcher
Budget: € 216.261
4. **ΕΠΙΡΡΟΗ - Ενιαίο Σύστημα Παρακολούθησης των Δικτύων Ύδρευσης**
Coordinator: Cyprus University of Technology
Partner: Cyprus University of Technology
Funded by Interreg V-A «Ελλάδα – Κύπρος 2014-2020»
Role: Project Manager, Senior Researcher, Engagement in WP2 WP3, WP5 and WP6.
Budget: € 725.910
5. **ROAD-, AIR- AND WATER-BASED FUTURE INTERNET EXPERIMENTATION (RAWFIE),**
Coordinator: ΕΘΝΙΚΟ ΚΑΙ ΚΑΠΟΔΙΣΤΡΙΑΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ
Partner: Center for Research, and Technology–Hellas (ITI-CERTH)
Funded by the European Commission (H2020-ICT-2014-1: ICT-11-2014 FIRE+ (Future Internet Research & Experimentation))
Role: Project Implementation Manager for CERTH's work packages Engagement in WP2 and WP3
Budget: € 6.995.733
6. **SYSTEM-OF-SYSTEMS THAT ACT LOCALLY FOR OPTIMIZING GLOBALLY (Local4Global),**
Coordinator: Center for Research, and Technology–Hellas (ITI-CERTH)
Partner: Center for Research, and Technology–Hellas (ITI-CERTH)
Funded by the European Commission (FP7-ICT-2013.3.4: ADVANCED COMPUTING, EMBEDDED, and CONTROL SYSTEMS)
Role: Project Implementation Manager for CERTH's work packages, Engagement in WP4
Budget: € 3.197.05
7. **INTEGRATING ACTIVE, FLEXIBLE AND RESPONSIVE TERTIARY PROSUMERS INTO A SMART DISTRIBUTION GRID (INERTIA),**
Coordinator: Center for Research, and Technology–Hellas (ITI-CERTH)
Partner: Center for Research, and Technology–Hellas (ITI-CERTH)
Funded by the European Commission (FP7-ICT-2011.6.1)
Role: Engagement in WP2, WP3, WP4, WP5 and WP6.
Budget: € 5.340.355
8. **AUTONOMOUS, SELF-LEARNING, OPTIMAL AND COMPLETE UNDERWATER SYSTEMS (NOPTILUS),**
Coordinator: Center for Research, and Technology–Hellas (ITI-CERTH)
Partner: Center for Research, and Technology–Hellas (ITI-CERTH)

	<p>Funded by the European Commission (FP7-ICT-2009.3.5: Engineering of Networked Monitoring, and Control Systems), Role: Project Implementation Manager for CErTH's work packages, Technical Scientific Manager of the Project, Engagement in WP4, WP7, WP8, and WP9 Budget: € 5.000.482</p> <p>9. RAPIDLY DEPLOYABLE, SELF-TUNING, SELF-RECONFIGURABLE, NEARLY-OPTIMAL CONTROL DESIGN FOR LARGE-SCALE NONLINEAR SYSTEMS (AGILE), Coordinator: Center for Research, and Technology–Hellas (ITI-CERTH) Partner: Center for Research, and Technology–Hellas (ITI-CERTH) Funded by the European Commission (FP7-ICT-2009.2.1: Cognitive Systems, and Robotics) Role: Engagement in WP2 WP3, WP5 and WP6. Budget: €1.852.683</p> <p>10. SWARM OF MICRO FLYING ROBOTS (sFLY), Coordinator: EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH (ETH) Partner: Center for Research, and Technology–Hellas (ITI-CERTH) Funded by the European Commission (FP7: Cognitive Systems, and Robotics) Role: Engagement in WP2 and WP6 Budget: € 3.358.251</p> <p>11. ADVANCED SIGNAL-PROCESSING FOR ULTRA-FAST MAGNETIC RESONANCE AND TRAINING (FAST), Coordinator: UNIVERSITÉ CLAUDE BERNARD LYON Partner: <i>Chalkis Institute of Technology Greece</i> Funded by Marie Curie Actions in the 6th Framework Program (MRTN-CT-2006-035801) Role: Marie Curie Fellow Budget: € 2.554.657</p>
TEACHING EXPERIENCE	<p>During my teaching career, I had the opportunity to teach a wide variety of undergraduate and postgraduate courses. The various teaching positions allowed me to interact with a diverse audience, both in terms of their scientific background and their ethnic status. Moreover, I maintain a long experience in designing new BSc and MSc programmes.</p> <hr/> <p>Neapolis University Pafos- Cyprus</p> <hr/> <p>- Department of Computer Science</p> <p>Undergraduate Level</p> <ol style="list-style-type: none"> Artificial Intelligence: (2017-2018), (2018-2019), (2020-2021), (2021-2022) Digital Image Processing: (2019-2019), (2019-2020), (2020-2021), (2021-2022) Data Mining Techniques: (2019-2020) Algorithms, and Complexity: (2016-2017), (2017-2018), (2018-2019), (2019-2020), (2020-2021) Computer Architecture I: (2017-2018) Object-Oriented Programming: (2018-2019) Introduction to Computer Science and Networks: (2017-2018), (2018-2019), (2019-2020), (2020-2021), (2021-2022) Operating Systems: (2017-2018) Computer Architecture II: (2017-2018) Compilers: (2018-2019), (2019-2020), (2020-2021), (2021-2022) <p>Post-Graduate Level</p> <ol style="list-style-type: none"> Project Management for IT projects: (2019-2020), (2020-2021), (2021-2022) <hr/> <p>Alpen-Adria Klagenfurt University - Austria</p> <hr/> <p>-Faculty of Technical Sciences</p> <p>Post-Graduate Level</p> <ol style="list-style-type: none"> Content-Based Image Retrieval: Basics, Concepts, and Tools: (2016-2017) <hr/> <p>Cyprus University of Technology - Cyprus</p> <hr/> <p>- Department of Electrical Engineering Computer Engineering, and Informatics</p> <p>Undergraduate Level</p> <ol style="list-style-type: none"> Programming Languages, and Compilers: (2017-2018), (2016-2017), (2015-2016), (2014-2015) Computer Architecture, and Microprocessors: (2016-2017), (2015-2016), (2014-2015) (TA) Databases: (2013-2014)

Post-Graduate Level

16. Project Management for IT projects: (2016-2017), (2015-2016)

Evaluation results:

Students' Questionnaire	Course (Max value is 5)				
	2015	2016(A)	2016(B)	2017(A)	2017(B)
Has good knowledge of the course's scientific field	4.74	5.00	5.00	5.00	5.00
Performs a well-organized presentation during the lectures	5.00	5.00	5.00	5.00	5.00
It is thought-provoking during the lectures	4.95	5.00	5.00	5.00	5.00
Discusses the desired concepts through examples in a simple and exciting way	5.00	5.00	5.00	5.00	5.00
Tasks given during the courses help on the better understanding of the syllabus	4.74	5.00	5.00	5.00	5.00
Is friendly towards the students	5.00	5.00	5.00	5.00	5.00
Total/general judgment about the lecturer	4.95	5.00	5.00	5.00	5.00

- Department of Civil Engineering & Geomatics

Undergraduate Level

17. Programming Techniques for Engineers / Software II: (2012-2013), (2011-2012)

Democritus University of Thrace - Greece

– Department of Electrical, and Computer Engineering

Undergraduate Level (TA)

18. Automatic Control II: (2010 – 2011), (2009 – 2010), (2008 – 2009), (2007 – 2008)
19. Robotics: (2010 – 2011), (2009 – 2010), (2007 – 2008)
20. Automatic Control III: (2010 – 2011)
21. Introduction to Computer Science: (2008 – 2009)
22. Automatic Control I: (2006 – 2007)

**RECOGNITION
SCHOLARSHIPS,
AND AWARDS**

- 2021:** 1st Place on Robotex Cyprus - Line-Following Challenge (Universities League), Nicosia, Cyprus
- 2021:** Cyprus Education Leader Award - Bronze award in the category "Investment in Education" for my scientific contribution to the field of Educational Robotics
- 2021:** Cyprus Education Leader Award - Bronze award in the category "Covid Conscious"
- 2020:** Cyprus Education Leader Award - Gold award in the category "Investment in Education" for my scientific contribution to the field of Educational Robotics
- 2020:** 1st Place on XII Robotic Arena Line-Following Turbo Challenge (Main League), Wroclaw, Poland
- 2019:** 3rd Place on Robotex International - Line-Following Challenge (Main League), Talin, Estonia
- 2019:** 1st Place on Robotex Cyprus - Line-Following Challenge (Universities League), Nicosia, Cyprus
- 2018:** Certificate of outstanding reviewer: Pattern Recognition Letters - Elsevier
- 2016:** Certificate of Highly Cited Paper: Information, and Processing Management Journal - Elsevier
- 2012:** Finalist for the best video award at the IEEE/RSJ International Conference on Intelligent Robots, and Systems (IROS 2012)
- 2010:** My Ph.D. was selected to be funded by the European Union (European Social Fund), and Greek national funds through the Operational Program "Education, and Lifelong Learning" of the National Strategic Reference Framework–Research Funding Program: "Heracleitus II. Investing in knowledge society through the European Social Fund."
- 2010:** Best Paper Award at the Fifth International Multi-Conference on Computing in the Global Information Technology (ICCGI 2010)
- 2010:** Best Paper Award at the 1st International Conference for Undergraduate, and Postgraduate Students in Computer Engineering, Informatics, related Technologies and applications, (EUREKA 2010)
- 2010:** Best Paper Award at the 2nd International Conference on Agents, and Artificial Intelligence (ICAART 2010)
- 2008:** C[4] is listed on the Top 10 most downloaded ACM SIGMM articles from the ACM Digital Library [https://tinyurl.com/ACM2008]
- 2006** Scholarship from the Research Committee of DUTH for participating in the Project "Operation and Management of the Infrastructure for the teleconference, tele-education, and informatics of the Department of Electrical and Computer Engineering of DUTH" – For three years in a row.
- 2008:**

SOCIAL EXPERIENCE	<p>I consider myself a science communicator - As a science communicator, my vision is to promote and communicate science, technology, and creative thinking. I have coordinated, delivered, and facilitated more than 50 talks and workshops worldwide aimed at engaging people with science. I'm also member of the editorial team of the following magazines:</p> <ul style="list-style-type: none"> • Forbes Magazine • Insider Magazine <p>Moreover, I'm a founding member of the "Science Hoaxes" group, a volunteer group dedicated to combating pseudoscience and promoting scientific literacy.</p> <p>During the last years, I have served voluntarily as an organizer or member of the scientific committees of several conferences, competitions, and events aimed to engage young people in science.</p> <ul style="list-style-type: none"> • World Robot Olympiad (WRO) Cyprus 2019, 2021 – Member of the Scientific Community. • Robotex Cyprus 2017, 2018, 2019, 2021 – Member of the Scientific Community. • NASA Space Apps Challenge – Cyprus (2015): Member of the Scientific Evaluation Community. • Establishing member of the «Greek Open-Source Adherents'Adherents' Club» (2007). • Establishing member and coordinator of the «Democritus University of Thrace – Robotics Team» (2007). <p>Moreover, I've also served as an elected chairman of the Post Graduate Student Council at the Department of Electrical and Computer Engineering, Democritus University of Thrace. (2009-2010).</p>
ADDITIONAL KNOWLEDGE / COMPUTER SCIENCE INTERESTS	<ul style="list-style-type: none"> • Programming Languages: C#, C++, Python, Java, Javascript, Processing • Parallel and distributed computation: OpenMP, MP, CUDA <p>As a software developer, I have implemented several popular, open-source, and commercial software tools for several fields, including multimedia, information retrieval, information management, and gaming. Indicatively, I am one of the contributors to the:</p> <ul style="list-style-type: none"> • LIRe, Lucene Image Retrieval Engine: http://www.lire-project.net/ LIRe is successfully used at the WIPO, a United Nations Agency, to search millions of trademark images, and the Danish National Police to find similar scenes and detect near duplicates. • img(Rummager), image retrieval laboratory: http://www.img-rummager.com • img(Anaktisi), online image retrieval engine: http://www.anaktisi.net • Houdini MC: http://houdinimc.com – Commercial Software
MEMBER OF EDITORIAL BOARDS, TECHNICAL COMMITTEE, AND REVIEWER	<p>I have served as a reviewer for leading scientific journals in artificial intelligence, image processing, and multimedia (e.g., IEEE PAMI, IEEE TMM, IEEE TRO, etc.). Currently, I serve as a member of the editorial board in several international academic journals, including Electronics and Frontiers in Blockchain. Moreover, I have also served as a reviewer and member of several international conferences/workshops (e.g., IEEE IROS, IEEE ICRA, etc.).</p> <p><u>A: EDITORIAL BOARD</u></p> <ol style="list-style-type: none"> 1. International Journal of Computational Methods in Heritage Science 2. Frontiers in Blockchain 3. Frontiers in Signal Processing 4. Electronics (MDPI) <p><u>B: INTERNATIONAL JOURNALS - REVIEWER</u></p> <ol style="list-style-type: none"> 1. IEEE Transactions on Robotics 2. IEEE Transactions on Pattern Analysis, and Machine Intelligence 3. IEEE Transactions on Fuzzy Systems 4. IEEE Transactions on Evolutionary Computation 5. IEEE Computing in Science & Engineering 6. IEEE Signal Processing Letters 7. IEEE Transactions on Intelligent Transportation Systems 8. IEEE Transactions on Multimedia 9. IEEE Access 10. Journal of Field Robotics 11. International Journal of Machine Learning, and Cybernetics 12. Applied Soft Computing 13. Engineering Applications of Artificial Intelligence 14. Digital Signal Processing 15. Pattern Recognition Letters (Certificate for an outstanding reviewer) 16. International Journal of Modern Physics C 17. Journal of Systems, and Software

18. Neurocomputing
19. Information Retrieval
20. Multimedia Tools and Applications
21. Optics and Lasers in Engineering
- ..., and more

C: INTERNATIONAL SCIENTIFIC CONFERENCES

C.1. MEMBER OF TECHNICAL COMMITTEE

1. Intelligent Systems for the Internet of Things «**ISIOT 2020**», May 25-27, 2020, Los Angeles, USA
2. «**Decentralized 2019**», October 30 - November 1, 2019, Athens, Greece
3. IEEE International Symposium on Innovations in Intelligent Systems and applications «**INISTA 2019**», July 3-5, 2019, Sofia, Bulgaria
4. Intelligent Systems for the Internet of Things «**ISIOT 2019**», May 29-31, 2019, Santorini, Greece
5. 25th International Conference on MultiMedia Modeling «**MMM 2019**», January 8-11, 2019, Thessaloniki, Greece
6. 23rd International Conference on MultiMedia Modeling «**MMM 2017**», January 4-6, 2017, Reykjavík, Iceland
7. ACM Multimedia Systems 2015 «**MMSIS 2015**», March 18-20, 2015, Portland, Oregon
8. Parallel, Distributed, and Network-Based Processing, «**PDP2015**», 4-6 Mar. 2015, Turku, Finland
9. The 9th International Multi-Conference on Computing in the Global Information Technology «**ICCGI 2014**», Seville, Spain
10. 12th International Content-Based Multimedia Indexing Workshop «**CBMI 2014**», Klagenfurt, Austria
11. ACM Multimedia Systems 2014 «**MMSIS 2014**», Singapore
12. The 14th International Conference on Computational Science, and Its Applications «**ICCSA 2014**», Guimaraes, Portugal
13. The 8th International Conference on Multimedia, and Ubiquitous Engineering «**MUE 2014**», China.
14. The 8th International Multi-Conference on Computing in the Global Information Technology «**ICCGI 2013**», Nice, France
15. The fifth International Conference on Creative Content Technologies «**CONTENT 2013**», Valencia, Spain
16. The 7th International Conference on Multimedia, and Ubiquitous Engineering «**MUE 2013**», Daegu, Korea.
17. The Fourth International Conference on Creative Content Technologies «**CONTENT 2012**», Nice, France
18. The 6th International Conference on Multimedia, and Ubiquitous Engineering «**MUE 2012**», Madrid, Spain.
19. The 7th International Multi-Conference on Computing in the Global Information Technology «**ICCGI 2012**», Venice, Italy
20. The sixth International Conference on Embedded, and Multimedia Computing «**EMC 2011**», Enshi, China
21. The 6th International Multi-Conference on Computing in the Global Information Technology «**ICCGI 2011**», Luxembourg
22. The 5th International Conference on Multimedia and Ubiquitous Engineering «**MUE 2011**», Crete, Greece.
- ..., and more

C.2. REVIEWER

1. The Conference on Information, and Knowledge Management, «**CIKM 2018**», Turin, Italy, 2018
2. IEEE/RSJ International Conference on Intelligent Robots, and Systems «**IROS 2016**», Daejeon, Korea, 2016
3. 23rd Mediterranean Conference on Control, and Automation, «**MED'16**», Chania, Greece, 2016
4. IEEE/RSJ International Conference on Intelligent Robots, and Systems «**IROS 2015**», Hamburg, Germany, 2015
5. IEEE International Conference on Robotics, and Automation «**ICRA 15**», Seattle, WA, USA, 2015
6. IEEE International Conference on Robotics, and Automation «**ICRA 14**», Hong Kong, China, 2014
7. 21st Mediterranean Conference on Control, and Automation, «**MED'13**», Chania, Greece, 2013
8. European Conference on Information Retrieval, «**ECIR 2013**», Moscow, Russia, 2013
9. IEEE International Conference on Electronics, Circuits, and Systems «**ICECS**», Seville, Spain, 2012
10. IEEE/RSJ International Conference on Intelligent Robots and Systems «**IROS 2012**», Vilamoura, Algarve, Portugal, 2012.
11. «**ACRI 2012**», Cellular Automata for Research, and Industry, Santorini, Greece, 2012.
12. 34th International ACM Conference on Research and Development in Information Retrieval, «**SIGIR 2011**», Beijing, China.
13. «**OEPT 2011**» International Symposium on Optical Engineering, and Photonic Technology, Orlando, Florida, USA
14. IASTED International Conference on Signal Processing, Pattern Recognition and applications «**SPPRA 2011**», Austria.
15. 19th ACM International Conference on Information and Knowledge Management «**CIKM 2010**», Toronto, Canada.
16. 33rd International ACM Conference on Research and Development in Information Retrieval, «**SIGIR 2010**», Switzerland.
17. 2010 IEEE International Conference on Imaging Systems, and Techniques «**IST 2010**», Thessaloniki, Greece.
18. 18th Mediterranean Conference on Control and Automation «**MED 2010**», Marrakech, Morocco.
- ..., and more

SUPERVISION OF POSTGRADUATE STUDENTS

Supervision of Master Thesis:

1. Giannos Eleytheriou (Graduated 2020), "Line-Following Robot: From System Design to Autonomous Navigation"

EVALUATION COMMITTEE	<ol style="list-style-type: none"> 2. Chrysoula Paletza (Graduated 2021), "DeepFake: The technology at the service of misinformation." 3. Charoula Constantinou (Graduated 2021); "Integration of Virtual Reality in Educational Robotics" 4. Andreas Athanasopoulos (Graduated 2021), "Leaf categorization using deep learning methods." <p>Supervision of Ph.D. Thesis</p> <ol style="list-style-type: none"> 1. Dimitrios Mastorodimos (Graduated 2021) – "Development of Intelligent, and Affective Tutoring Platform for Mathematics - A case study for Primary Education" – Neapolis University Pafos 2. Salomi Evripidou - Educational Robotics: Shaping the expected learning outcomes and introducing algorithmic thinking and sequencing using AI techniques (in progress) 3. Afrodite Sofocleus - Η επίδραση των οπτικά όμοιων εικόνων και η συμβολή της εκπαιδευτικής ρομποτικής στην εκπαίδευση των μαθητών προσχολικής και πρώτης σχολικής ηλικίας (in progress) 4. George Kyprianou -Towards the achievement of path planning with multi robot systems in dynamic environments (in progress)
	<p>Ph.D. Evaluation Committee</p> <ol style="list-style-type: none"> 1. S. Plakias, "NOVEL APPROACHES OF SYSTEM IDENTIFICATION & CONTROL", Professor Y. Boutalis, Democritus University of Thrace, Department of Electrical, and Computer Engineering, 2020 2. Christos C. Constantinou, "AUTOMATED PLANNING, SENSING, and CONTROL FOR AUTONOMOUS UNDERWATER ROBOTIC SYSTEMS", Supervisor: Assistant Professor S. Loizou, Cyprus University of Technology, Mechanical, and Materials Science, and Engineering, 2019 3. D. Vezeris, "ΑΝΑΠΤΥΞΗ ΛΟΓΙΣΜΙΚΟΥ ΚΑΙ ΔΥΝΑΜΙΚΗΣ ΜΕΘΟΔΟΥ ΤΕΧΝΗΤΗΣ ΝΟΗΜΟΣΥΝΗΣ ΑΝΑΛΥΣΗΣ ΧΡΟΝΟΣΕΙΡΩΝ ΚΑΙ ΛΗΨΗΣ ΒΕΛΤΙΣΤΩΝ ΑΠΟΦΑΣΕΩΝ, ΜΕ ΕΦΑΡΜΟΓΕΣ ΣΤΑ ΣΥΣΤΗΜΑΤΑ ΣΥΝΑΛΛΑΓΩΝ", Professor C. Schinas, Democritus University of Thrace, Department of Electrical, and Computer Engineering, 2018 4. V. Kaltsa, "ΜΗΧΑΝΙΚΗ ΟΡΑΣΗ ΓΙΑ ΑΝΙΧΝΕΥΣΗ ΓΕΓΟΝΟΤΩΝ ΣΕ ΒΙΝΤΕΟΣΤΟΧΑΣΤΙΚΩΝ ΚΙΝΗΣΕΩΝ", Supervisor: Professor G. Strintzis, Aristotle University of Thessaloniki, Department of Electrical, and Computer Engineering, 2018 5. A. Kapoutsis, "AUTONOMOUS NAVIGATION OF TEAMS OF UNMANNED AERIAL OR UNDERWATER VEHICLES FOR EXPLORATION OF UNKNOWN STATIC & DYNAMIC ENVIRONMENTS", Supervisor: Professor E. Kosmatopoulos, Democritus University of Thrace, Department of Electrical, and Computer Engineering, 2017