Curriculum Vitae

of

Andreas C. Constantinides

November 2022

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I. PERSONAL INFORMATION

Name:	Andreas Christodoulou Constantinides
Date of Birth:	28th August 1979
Place of Birth:	Nicosia, Cyprus
Nationality:	Cypriot
Sex:	Male
Marital Status:	Married, with two children (Christos and Chloe)
Languages:	Greek (Mother Language), English (Excellent)

II. EDUCATION

University of Essex (UoE), Colchester, Essex, UK

PhD – Doctor of Philosophy   23 September 2009
- The School of Computer Science and Electronic Engineering
- *Thesis Topic*: Multi-objective Deployment and Power Assignment in Wireless Sensor Networks using Metaheuristics.
- *Advisors:* Professor Dr. Qingfu Zhang and Professor Dr. Kun Yang.
- *Areas of Study:* Sensor and Mobile Ad-hoc Networks, Computational Intelligence

M.Sc. (*Dist.*) – Master of Science (*Distinction*)   June 2005
- Department of Electronic Systems Engineering
- Thesis Topic: An interactive simulator for routing in mobile ad-hoc networks
- Advisor: Dr. David Hunter
- Area of Study: Computer and Information Networks

Budapest University of Technology and Economics (BUTE), Budapest, Hungary

B.Sc. (*Hons*) – Bachelor of Science (*Honors*)   June 2004
- Faculty of Electrical Engineering and Informatics
- Overall weighted average: 100% (5.00 out of max possible 5.00)
- Thesis Topic: Pathfinding Algorithms for Intelligent Agents: A Pacman Game
- Advisor: Dr. Borbala Benko Katalin
- Area of Study: Specialization on Computer Engineering.

Higher Technical Institute (HTI), Nicosia, Cyprus

Higher National Diploma (HND)   June 2000
- Department of Electrical Engineering
- Thesis Topic: Literature investigation on electronic devices: Applications and implementations
- Advisor: Dr. C. C. Marouchos
- Area of Study: Electrical and Electronic Engineering

III. APPOINTMENT HISTORY

Associate Professor   March 2021 to present
Frederick University, Department Of Electrical Engineering, Computer Engineering and Informatics, Nicosia, Cyprus

Senior Researcher   June 2010 to present
Frederick Research Center, Nicosia, Cyprus

Lecturer   April 2016 to 2021
Frederick University, Department Of Electrical Engineering, Computer Engineering and Informatics, Nicosia, Cyprus

Visiting Lecturer - Full Time   September 2009 to 2016
Frederick University, Department of Computer Science and Engineering, Nicosia, Cyprus

Post-Doctoral Research Associate   Jan. 2011 to Dec. 2014
University of Cyprus, Department of Computer Science, Nicosia, Cyprus

Visiting Lecturer Position Offer   26 August 2010
University of Cyprus, Department of Computer Science, Nicosia, Cyprus

Special Scientist (Research & Teaching Assistant)   Sep. 2009 to Dec. 2010
University of Cyprus, Department of Computer Science, Nicosia, Cyprus

Teaching Assistant   Oct. 2005 to Jan. 2009
University of Essex, Colchester, Essex, UK

IV. RESEARCH INTERESTS

Mobile Computing and Networks (Smartphone Systems, Crowdsourcing, Localization, Privacy, Mobile (Social) Networks; Wireless Sensor Networks; Mobile ad hoc networks); **Computational Intelligence** (Heuristic & Metaheuristic search; Evolutionary Computation); **(Multi-Objective) Optimization & Constraint Handling**;

V. PUBLICATIONS

Refereed Journal Papers and Magazines

[J.1] Soteris Constantinou, **Andreas Konstantinidis**, Panos K. Chrysanthis and Demetrios Zeinalipour-Yazti. "Green Planning of IoT Home Automation Workflows in Smart

Buildings", ACM Transactions on Internet of Things (TIOT'22), ACM, Vol. 3, Iss. 4, pp. 1--30, New York, NY, USA, 2022.

[J.2] Sotiris Constantinou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti. "Green Planning Systems for Self-Consumption of Renewable Energy", IEEE Internet Computing (IC '22), IEEE Computer Society, pp. 7 pages, Los Alamitos, CA, USA, 2022.

[J.3] Achilleas Achilleos, Michalis Makrominas, Christos Markides, Rafael Alexandrou, **Andreas Konstantinidis**, Elena Papacosta, Panos Constantinides, Effie Zikouli and Leondios Tselepos, "Promoting active sports tourism through technology and evaluating its economic impact: experiences from Cyprus" , Taylor & Francis, Journal of Sport & Tourism, (2021).

[J.4] Constantinos Costa, **Andreas Konstantinidis**, Andreas Charalampous, Demetrios Zeinalipour-Yazti, Mohamed F. Mokbel, "Continuous Decaying of Telco Big Data with Data Postdiction", Geoinformatica'19, Springer Press, June 2019.

[J.5] Andreas Konstantinidis, Panagiotis Irakleous, Zacharias Georgiou, Demetrios Zeinalipour-Yazti and Panos K. Chrysanthis, "IoT Data Prefetching in Indoor Navigation SOAs" , ACM Transactions on Internet Technology (TOIT'18), Vol. 19, Iss. 1, Article 10, pp. 10:1-10:21, 2018.

[J.6] Andreas Konstantinidis, Savvas Pericleous, Christoforos Charalambous, "Meta-Lamarckian Learning in Multi-Objective Optimization for Mobile Social Network Search" , Volume 67, Pages 70-93, Applied Soft Computing, Elsevier, 2018.

[J.7] Harris Papadopoulos, Nestoras Georgiou, Charalambos Eliades and **Andreas Konstantinidis,** "Android Malware Detection with Unbiased Confidence Guarantees." Neurocomputing, Elsevier, Volume 280, Pages 3-12, 2017.

[J.8] Andreas Konstantinidis, Georgios Chatzimilioudis, Demetrios Zeinalipour-Yazti, Paschalis Mpeis, Nikos Pelekis and Yannis Theodoridis, "Privacy-Preserving Indoor Localization on Smartphones", IEEE Transactions on Knowledge and Data Engineering, (IEEE TKDE), 2015.

[J.9] Georgios Larkou, Marios Mintzis, Panayiotis G. Andreou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti, **"**Managing big data experiments on smartphones**"**, *Distributed and Parallel Databases* (DAPD '14), Springer US, Pages: 1-32, 2014.

[J.10] Andreas Konstantinidis, Savvas Pericleous, Christoforos Charalambous "Adaptive Evolutionary Algorithm for a Multi - Objective VRP". ", International Journal on Engineering Intelligent Systems, CRL, May 2014.

[J.11] Andreas Konstantinidis, Demetrios Zeinalipour-Yazti, Panayiotis Andreou, George Samaras, and Panos Chrysanthis, "Intelligent Search in Social Communities of Smartphone Users", Distributed and Parallel Databases (DAPD'13), Springer Press, Vol: 31, No: 2 Pages: 115-149, 2013.

[J.12] Georgios Chatzimilioudis, **Andreas Konstantinidis**, Christos Laoudias and Demetrios Zeinalipour-Yazti, "Crowdsourcing with Smartphones", IEEE Internet Computing, SI: Crowdsourcing, 2012.

[J.13] Andreas Konstantinidis and Kun Yang, "Multi-objective Energy-efficient Dense Deployment in Wireless Sensor Networks using a Hybrid Problem-specific MOEA/D", Applied Soft Computing, Elsevier, vol.11-6, pp. 4117-4134, Sept. 15, 2011.

[J.14] Andreas Konstantinidis, Haris Haralambous, Alexandros Agapitos and Harris Papadopoulos, ``A GP-MOEA/D Approach for Modelling Total Electron Content over Cyprus", International Journal on Engineering Intelligent Systems, CRL, May 2011.

[J.15] Andreas Konstantinidis and Kun Yang, "Multiobjective K-Connected Deployment and Power Assignment in WSNs using a Problem-specific Constrained Evolutionary Algorithm based on Decomposition", Computer Communications, Elsevier, vol. 34, pp. 83-98, 2011.

[J.16] Andreas Konstantinidis, Kun Yang, Qingfu Zhang and Demetrios Zeinalipour-Yazti, "A Multi-Objective Evolutionary Algorithm for the Deployment and Power Assignment Problem in Wireless Sensor Networks", SI-New Network Paradigms, Computer Networks, Elsevier, vol. 54, pp. 960-976, 2010.

[J.17] Andreas Konstantinidis, Kun Yang, Hsiao-Hwa Chen and Qingfu Zhang, "Energy Aware Topology control for Wireless Sensor Networks Using Memetic Algorithms", Computer Communications, Elsevier, vol. 30, no. 14-15, pp. 2753-2764, 2007.

Refereed Book Chapters

[B.1] Soteris Constantinou, Andreas Konstantinidis, Demetrios Zeinalipour-Yazti. "Green Energy Planning of IoT Rule Automation Workflows in Smart Environments". ERCIM News 2021(126): 0, 2021.

[B.2] Rafael Alexandrou, Harris Papadopoulos, **Andreas Konstantinidis**, "Smartphone Indoor Localization using Bio-Inspired Modelling", NIC-Navigation 2019 : Nature-Inspired Computation in Navigation and Vehicle Routing, pp. 149—167, Springer, 2019.

[B.3] Andreas Konstantinidis, Georgios Chatzimilioudis and Demetrios Zeinalipour-Yazti, "Privacy-Preserving Indoor Localisation and Navigation" , ERCIM News 106, Special theme: Cybersecurity ISBN: 0926-4981, 2016.

[B.4] Georgios Chatzimilioudis, **Andreas Konstantinidis** and Demetrios Zeinalipour-Yazti "Scalable All k Nearest Neighbor Search,", In Information Granularity, Big Data, and Computational Intelligence, Editors: Shyi-Ming Chen and Prof. Witold Pedrycz, Springer Press, 2014.

[B.5] Andreas Konstantinidis and Demetrios Zeinalipour-Yazti "A P2P Search Framework for Intelligent Mobile Crowdsourcing,", In Opportunistic Mobile Social Networks, Editors: Jie Wu, Yunsheng Wang, CRC Press, 2013

[B.6] Georgios Larkou, Panayiotis Andreou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti. "SmartLab: Empowering Mobile Computing Research through an Open Smartphone Cloud." ERCIM News 2013 Special Theme: Mobile Computing (93) (2013).

Refereed Conference, Workshop and Demo Papers

[C.1] Soteris Constantinou, Andreas Pamboris, Rafael Alexandrou, Christoforos Kronis, Demetrios Zeinalipour-Yazti, Harris Papadopoulos and **Andreas Konstantinidis**; "EnterCY: A Virtual and Augmented Reality Tourism Platform for Cyprus", 23rd IEEE International Conference on Mobile Data Management (IEEE MDM 22), 6-9 June, 2022.

[C.2] Nader Nader, Rafael Alexandrou, Iasonas Iasonos, Andreas Pamboris, Harris Papadopoulos, **Andreas Konstantinidis**, "Smart Out-of-Home Advertising Using Artificial Intelligence and GIS Data". 36th AAAI Conference on Artificial Intelligence, March 2022.

[C.3] Nader Nader, Rafael Alexandrou, Iasonas Iasonos, Andreas Pamboris, Harris Papadopoulos, **Andreas Konstantinidis**. "A Multi-Objective Optimization Algorithm for Out-of-Home Advertising". Artificial Intelligence Applications and Innovations. IFIP Advances in Information and Communication Technology, vol 647. Springer, AIAI 2022.

[C.4] Achilleas Achilleos, **Andreas Konstantinidis**, Rafael Alexandrou, Christos Markides, Effie Zikouli, George Papadopoulos, "A Web Platform and a Context Aware Recommender System for Active Sport Events" , 21st International Conference on Innovations for Community Services, I4CS 2021, May 26 - 28, Bamberg, Germany, 2021.

[C.5] Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti, "Triastore: A Web 3.0 Blockchain Datastore for Massive IoT Workloads" , The 22nd IEEE International Conference on Mobile Data Management (MDM '21), IEEE Press, June 15 - June 18, 2021, Virtual Conference, 2021.

[C.6] Panagiotis Drakatos, Erodotos Demetriou, Stavroulla Koumou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti, "Towards a Blockchain Database for Massive IoT Workloads" , Proceedings of t he 3rd Intl. Workshop on Blockchain and Data Management (BlockDM '21), IEEE Press, April 19, 2021, Chania, Crete, Greece, 2021

[C.7] Soteris Constantinou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti, Panos K. Chrysanthis, "The IoT Meta-Control Firewall", 37th IEEE International Conference on Data Engineering (ICDE'21), IEEE Computer Society, ISBN:, pp. 12 pages (accepted), April 19 - April 22, 2021, Chania, Crete, 2021.

[C.8] Soteris Constantinou, Antonis Vasileiou, **Andreas Konstantinidis**, Panos K. Chrysanthis, Demetrios Zeinalipour-Yazti, "IMCF: The IoT Meta-Control Firewall for Smart Buildings", 24th International Conference on Extending Database Technology (EDBT '21), EDBT, pp. 4 pages, March 23 - March 26, 2021, Nicosia, Cyprus, 2021.

[C.9] Rafael Alexandrou, Harris Papadopoulos, **Andreas Konstantinidis**, "Indoor Localization with Multi-Objective selection of Radiomap Models", 16th International Conference on Artificial Intelligence Applications and Innovations (AIAI'20), Greece, June 2020.

[C.10] Achilleas Achilleos, Christos Markides, Michalis Makrominas, **Andreas Konstantinidis**, Rafael Alexandrou, Effie Zikouli, Elena Papacosta, Panos Constantinides and Leondios Tselepos, "Evaluating the Economic Impact of Active Sports Tourism Events: Lessons Learned from Cyprus", 7th International Conference of the International Association of

Cultural and Digital Tourism (IACuDiT 2020), Springer Proceedings, Culture and Tourism in a Smart, Globalized and Sustainable World, Hydra, 2-4 September, 2020.

[C.11] Andreas Konstantinidis, Aphrodite Demetriades and Savvas Pericleous, "A Mulit-Objective Indoor Localization Service for Smartphones" , ACM Symposium on Applied Computing (ACM SAC'19), Limassol, Cyprus, April 8-12, 2019.

[C.12] Achilleas Achilleos, Christos Markides, **Andreas Konstantinidis**, Ioannis Giorkas, Georgia M. Kapitsaki, Christos Mettouris, George A. Papadopoulos, "Adopting an Open Smart City Platform: A Survey" , IEEE International Smart Cities Conference (ISC2 2019), Track: ICT Technologies and Platforms for Smart Cities IEEE, 2019.

[C.13] Constantinos Costa, Andreas Charalampous, **Andreas Konstantinidis,** Demetrios Zeinalipour-Yazti and Mohamed F. Mokbel, "Decaying Telco Big Data with Data Postdiction" , Proceedings of the 19th IEEE International Conference on Mobile Data Management (MDM '18), IEEE Computer Society, pp. 10 pages, June 25 - June 28, AAU, Aalborg, Denmark, 2018. (Best of MDM'18 / Geoinformatica Invitation!)

[C.14] Michalis Massalas, **Andreas Konstantinidis**, Achilleas Achilleos, Christos Markides and George Papadopoulos, "CrODA-gator: An Open Access CrowdSensing Platform as a Service", 5th CASPer Workshop 2018, 16th IEEE International Conference on Pervasive Computing and Communications, IEEE PerCom 2018.

[C.15] Constantinos Costa, Andreas Charalampous, **Andreas Konstantinidis,** Demetrios Zeinalipour-Yazti and Mohamed F. Mokbel, "TBD-DP: Telco Big Data Visual Analytics with Data Postdiction" , Proceedings of the 19th IEEE International Conference on Mobile Data Management (MDM '18), IEEE Computer Society, pp. 2 pages, June 25 - June 28, 2018, AAU, Aalborg, Denmark, 2018.

[C.16] Andreas Konstantinidis, Panagiotis Irakleous, Zacharias Georgiou, Demetrios Zeinalipour-Yazti and Panos K. Chrysanthis, "IoT Data Prefetching in Indoor Navigation SOAs", The 16th Hellenic Data Management Symposium (HDMS '18), Larnaca, Cyprus, 2018.

[C.17] Achilleas Achilleos, Kyriaki Georgiou, Christos Markides, **Andreas Konstantinidis** and George Papadopoulos, "Adaptive Runtime Middleware: Everything as a Service", 9th International Conference on Computational Collective Intelligence (ICCCI '17), September, 2017.

[C.18] Savvas Pericleous, **Andreas Konstantinidis,** Achilleas Achilleos and George Papadopoulos, "Generic Hybridization of MOEA/D with Learning for Permutation Flow Shop Scheduling Problem", 8th International Conference on Information, Intelligence, Systems and Applications (IISA2017), Golden Bay Hotel, Larnaca, Cyprus, Greece, August 28-30, 2017.

[C.19] Andreas Konstantinidis, Georgios Chatzimilioudis, Demetrios Zeinalipour-Yazti, Paschalis Mpeis, Nikos Pelekis and Yannis Theodoridis, "Privacy-Preserving Indoor Localization on Smartphones", The 14 Hellenic Data Management Symposium (HDMS '16), Athens, Greece, 2016.

[C.20] Nestoras, Georgiou, **Andreas Konstantinidis** and Harris Papadopoulos, Malware Detection with Confidence Guarantees on Android Devices", Artificial Intelligence Applications and Innovations (AIAI 16), pp.407-418, September 2016.

[C.21] Andreas Konstantinidis, Georgios Chatzimilioudis, Demetrios Zeinalipour-Yazti, Paschalis Mpeis, Nikos Pelekis and Yannis Theodoridis, "Privacy-Preserving Indoor

Localization on Smartphones (Extended Abstract)", Proceedings of the 2016 IEEE 32nd International Conference on Data Engineering (ICDE '16), IEEE Computer Society, pp. , Helsinki, Finland, ISBN: , 2016.

[C.22] **Andreas Konstantinidis**, George Nikolaides, Georgios Chatzimilioudis, Giannis Evagorou Demetrios Zeinalipour-Yazti and Panos K. Chrysanthis, "RadioMap Prefetching for Indoor Navigation in Intermittently Connected WiFi Networks", IEEE Mobile Data Management, MDM'15, 2015.

[C.23] Georgios Larkou, Constantinos Costa, Panagiotis Andreou, **Andreas Konstantinidis**, and Demetrios Zeinalipour-Yazti, "Management of Smartphone Mockup Experiments with SmartLab" IEEE Mobile Data Management, MDM'15, 2015 (accepted).

[C.24] **Andreas Konstantinidis**, George Nikolaides, Georgios Chatzimilioudis, Giannis Evagorou Demetrios Zeinalipour-Yazti and Panos K. Chrysanthis, "RadioMap Prefetching for Indoor Navigation in Intermittently Connected WiFi Networks", The 13th Hellenic Data Management Symposium (HDMS 2015), Athens, Greece, 2015.

[C.25] Georgios Larkou, Marios Mintzis, Stefano Taranto, **Andreas Konstantinidis,** Panagiotis Andreou, Demetrios Zeinalipour-Yazti , "Demonstration Abstract: Sensor Mockup Experiments with Smartlab", "Proceedings of the ACM/IEEE Information Processing in Sensor Networks" (ACM/IEEE IPSN'14), Berlin, Germany, 2014.

[C.26] Georgios Larkou, Constantinos Costa, Panagiotis Andreou, **Andreas Konstantinidis**, Demetrios Zeinalipour-Yazti , "Managing Smartphone Testbeds with SmartLab", "Proc. of the 27th USENIX Large Installation System Administration Conference" (LISA '13), Washington D.C., USA, 2013.

[C.27] Christophoros Kronis, **Andreas Konstantinidis** and Harris Papadopoulos, "Human-Like Agents for a Smartphone First Person Shooter Game using Crowdsourced Data", IFIP Artificial Intelligence Applications & Innovations (AIAI'13), Springer, Paphos, Cyprus 2013.

[C.28] **Andreas Konstantinidis**, Savvas Pericleous and Christoforos Charalambous "MOEA/D for a Tri-Objective Vehicle Routing Problem", IFIP Artificial Intelligence Applications & Innovations (AIAI'13), Springer, Paphos, Cyprus 2013.

[C.29] **Andreas Konstantinidis**, Constantinos Costa, Georgios Larkou and Demetrios Zeinalipour-Yazti,, "Demo: A Programming Cloud of Smartphones", The 10th International Conference on Mobile Systems, Applications and Services (MobiSys'12), 25-29 June, 2012, Low Wood Bay, Lake District, United Kingdom

[C.30] **Andreas Konstantinidis**, Georgios Chatzimilioudis, Christos Laoudias, Silouanos Nicolaou and Demetrios Zeinalipour-Yazti , "Towards Planet-Scale Localization on Smartphones with a Partial Radiomap", ACM HotPlanet, The 4th ACM International Workshop on Hot Topics in Planet-Scale Measurement, co-located with the 10th International Conference on Mobile Systems, Applications and Services (MobiSys'12), 25-29 June, 2012, Low Wood Bay, Lake District, United Kingdom

[C.31] **Andreas Konstantinidis**, Christos Aplitsiotis and Demetrios Zeinalipour-Yazti,, "SmartP2P: A Multiobjective Framework for Finding Social Content in P2P Smartphone Networks", International Conference on Mobile Data Management (MDM), July 23 - 26, 2012, Bangalore, India.

[C.32] Christoforos Charalambous, **Andreas Konstantinidis** and Savvas Pericleous, "Selecting the Product Portfolio for Production in Manufacturing Systems Using Multi-objective

Evolutionary Algorithms Based on Decomposition", 9th International Conference on Computational Management Science, London, UK, 18-20 April, 2012

[C.33] Panayiotis Andreou, Panagiotis Germanakos, **Andreas Konstantinidis**, Dimosthenis Georgiadis, Marios Belk and George Samaras, "USN: Towards User-Centric Social Networks",Intern. Conf. on Web Information Systems and Technologies (WebIST), 2012.

[C.34] Andreas Konstantinidis, Demetrios Zeinalipour-Yazti, Panayiotis Andreou, George Samaras "Multi-Objective Optimization of Query Routing Trees in Smartphone Social Networks", The 10th Hellenic Data Management Symposium (HDMS 2011), Athens, Greece, 2011.

[C.35] Andreas Konstantinidis, Demetrios Zeinalipour-Yazti, Panayiotis Andreou, George Samaras "Multi-Objective Query Optimization in Smartphone Social Networks", The 12th International Conference in Mobile Data Management (MDM), Lulea, Sweden 2011.

[C.36] Andreas Konstantinidis, Demetrios Zeinalipour-Yazti and Kun Yang "Socially-aware Query Routing in Mobile Networks", Hellenic Data Management Symposium, Ayia Napa, Cyprus 2010.

[C.37] Andreas Konstantinidis, Christoforos Charalambous, Aimin Zhou and Qingfu Zhang, "Multi-objective Mobile Agent-based Sensor Network Routing using MOEA/D", IEEE World Congress on Computational Intelligence (CEC'10), Barcelona, Spain, 2010.

[C.38] Alexandros Agapitos, **Andreas Konstantinidis**, Haris Charalambous and Harris Papadopoulos "Evolutionary Prediction of Total Electron Content over Cyprus", Artificial Intelligence Applications & Innovations, Springer, Ayia Napa, Cyprus 2010.

[C.39] Aimin Zhou, **Andreas Konstantinidis** and Qingfu Zhang, "Parameter Evolution for a Particle Swarm Optimization Algorithm", International Conference on Swarm Intelligence, Beijing, China, 2010.

[C.40] Andreas Konstantinidis, Kun Yang, Qingfu Zhang and Fernando Gordejuela- Sanchez, "Multiobjective K-connected Deployment and Power Assignment in WSNs using constraint handling", Topology Management, IEEE Global Communications Conference, GlobeCom'09, Honolulu, Hawaii, USA 2009.

[C.41] Andreas Konstantinidis, Qingfu Zhang and Kun Yang, "A Subproblem-dependent Heuristic in MOEA based on Decomposition for the Deployment and Power Assignment Problem in Wireless Sensor Networks", IEEE Congress on Evolutionary Computation, CEC'09 Evolutionary Optimization, Trondheim, Norway, March, 2009.

[C.42] Andreas Konstantinidis, Kun Yang and Qingfu Zhang, "Problem-specific Encoding and Genetic Operation for a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks", IEEE International Conference on Communications", ICC'09 AHSN, Dresden, Germany, June 2009.

[C.43] Andreas Konstantinidis, Kun Yang and Qingfu Zhang, "An Evolutionary Algorithm to a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks", IEEE Global Communications Conf., GlobeCom'08, New Orleans, USA, 2008.

[C.44] Alexandros Agapitos, Julian Togelius, Simon M. Lucas, Jurgen Schmidhubers and **Andreas Konstantinidis**. "Generating Diverse Opponents with Multiobjective Evolution", IEEE Computational Intelligence and Games, CIG'08, Perth, Australia, 15 Dec. 2008.

[C.45] Andreas Konstantinidis, Qingfu Zhang, Kun Yang and Ian Henning, "On Energy Aware Topology control of Sensor Networks Using Modern Heuristics" IEEE Global Communications Conf., GlobeCom'06, WSN 19-5, pp. 1-5, San Francisco, USA, Nov. 2006.

Technical Reports

[TR.1] P. Andreou, P. Germanakos, **Andreas Konstantinidis**, Dimosthenis Georgiadis, Marios Belk, G. Samaras**. "USN: Multi-Objective User-centric Social Networks with Decision Making", TR-11-1, Dep. of Computer Science, University of Cyprus, Jan, 2011.

[TR.2] **Andreas Konstantinidis** and John Oyekan, "Hierarchical Sensor Network Planning using a bio-inspired Hyperheuristic', PhD Computer science and Electronic Engineering Conference (PhD CEEC '09), In Proc. of the School of Computer Science and Electronic Engineering Technical Report Series, 2009.

Theses

[TH.1] **Andreas Konstantinidis, PhD.** "Multi-objective Deployment and Power Assignment in Wireless Sensor Networks using Metaheuristics", University of Essex. Supervisors: Prof. Qingfu Zhang and Dr. Kun Yang.

[TH.2] **Andreas Konstantinidis, MSc (Distinction).** "An Interactive Simulator for Ad-Hoc Mobile Networks", University of Essex. Supervisor: Dr. David Hunter.

[TH.3] **Andreas Konstantinidis, BSc (Honors).** "Pathfinding Algorithms for Intelligent Agents: A Pacman Game Application", Budapest University of Technology and Economics. Supervisor: Dr. Borbala Benko Katalin.

VI. CITATIONS

The following Google Scholar citation statistics were obtained using Harzing's 'Publish or Perish' software in May 2022:

Citations: 1395	**Papers: 69**
Years: 16	**h-index: 14**
Cites/year: 83.69	**i10-index: 18**
Cites/paper: 19.41	**g-index: 36**

The following citations were obtained by Scopus online platform in May 2022:

Citations: 938	**by 797 documents**
Years: 16	**h-index: 12**

VII. ACADEMIC AND TEACHING EXPERIENCE

Frederick University, Department of Computer Science and Engineering, Cyprus
Teaching and Course Coordinator (Postgraduate Level), 2013-present:

Ubiquitous Computing, Interactive Systems Design for Web Systems, Research Seminar Series I & II (Coordinator), Research Proposal (Coordinator), Master Thesis (Coordinator)

Courses Taught/Teaching (Undergraduate Level), 2009-present:

Mobile and Ubiquitous Computing (Android, Windows Phone and Windows 8 development), Visual Programming (Visual C#, Android and Windows Phone GUI design) Readings in Computing, Signal, Systems and Transforms (Matlab), Software Methodology (Java, MS-SQL, JDBC), Data Communications and Computer Networks, Local and Metropolitan Area Networks, Interconnection Networks, Object-oriented Programming (Java), Computer Programming for Engineers (VB .Net), Programming Principles (C), Programming Principles I (C++), Programming Principles II (C++), Assembly Programming Language (MicroProc-8086), Computer Application Packages, Circuit Analysis Lab, Word Processing (in Greek), Project.

Supervision Post-Doctoral Researcher (2019-present)

- Andreas Pamporis (PhD),
  - o Research Areas: Recommender Systems, Augmented Reality, Indoor Localization, Smartphone Systems, Tourism Sector
  - o Project: "EnterCY: Enhancing Tourists Experience in Cyprus", RPF, 2019-2022.
  - o Project: Digital Innovation Hub 2, EU, 2022-2023.

Supervision / Co-supervision PhD Students (2019-present)

- Rafael Alexandrou, Research Areas: Recommendation Systems, Multi-Objective Optimization, Machine Learning, Mobile Computing.
- Thalis Papakyriacou, Research Areas: Green Computing, (Bi-Level, Dynamic) Multi-Objective Optimization, Smart Environments
- Nader Nader, Research Areas: Recommendation Systems, Marketing Optimization, Multi-Objective Optimization
- Nicos Ioannou, Research Areas: digital education, finite state machines, microprocessors
- Nicos Antoniou: Wearable Computing, Insole Design, Localization, (Bi-level) Multi-Objective Optimization

Supervision MSc-Level (2013-present)

Current Students: 4
Successfully Completed: 10
Representative Projects:

- Rafael Alexandrou, "Indoor Localization with Machine Learning", MSc Web and Smart Systems, 2017-2019
- Aphrodite Demetriadou, "Multi-Objective Optimization for Indoor Localization with Smartphones", MSc Web and Mobile Systems, 2015-2017
- Nestoras Georgiou, "Malware Detection on Smartphones using Machine Learning", MSc in Web and Mobile Systems, 2013-2015
- Christoforos Kronis, "A social business intelligence platform for Smart media planning", MSc in Web and Mobile Systems, 2013-2015

Supervision BSc-Level (2009-present)

Current Students: 4
Successfully Completed: 52
Representative Projects:

- Prodromos Andronicou, "Prediction of Currency Exchange Rates via Machine Learning", BSc Computer Science, 2019.

- Elias Kokkinos, "Cloud Computing based Enterprise Form Automations", BSc Computer Science, 2017
- Christoforos Kronis, An Augmented Reality Application on Smartphone Networks with AI agents using crowdsourcing techniques under a Cloud-based Framework, Undergraduate Computer Engineering, 2013
- Melina Marangou, Noise-Less Pathfinding using Crowdsourced Noise Data on Smartphone Networks, Undergraduate Computer Science, 2013
- Adamos Adamou, "Eyes4U: Aggressive Behavior Detection: A Kinect & Windows Phone Application", Undergraduate Computer Science, 2012

Development/modification of syllabi, TESE (Tuning Educational Structures in Europe) forms and material of the following Bachelor and Master courses:

- Undergraduate Level (BSc and BEng)
  ACSC423 – Mobile and Ubiquitous Computing (Android development)
  ACSC359 - Software Methodology (Java, MS-SQL, JDBC)
  ACSC299 – Visual Programming (C# and Android design)
  AELE210 – Signal, Systems and Transforms (Matlab)
- Postgraduate Level (MSc in Web and Smart Systems)
  WSS503 – Ubiquitous Computing (Android development)
  WSS505 – Interactive Systems Design for Web Systems

University of Cyprus, Department of Computer Science, Nicosia, Cyprus

Post-Doctoral Research Associate

Research on Smartphones and Mobile Social Networks In collaboration with Dr. Demetrios Zeinalipour-Yazti

- Undergraduate Mentoring (Successfully Completed)
  - Giannis Evagorou, Indoor Localization using Big Data, 2013-2014
  - Paschalis Mpeis, VectorMap and SmartLib projects, 2012-2013
  - Silouanos Nicolaou, Airplace and BloomMap projects, 2011-2012
  - Costas Aplitsiotis, Spatio-Temporal Query Processing using Android Smart Phones, 2011-2012
- Postgraduate Mentoring (Successfully Completed)
  - Adamos Adamou, Scalable Trajectory Grouping with k-Anonymity Guarantees, 2013-2014

Special Scientist (Research & Teaching Assistant)

- Research
  - Social Data Management and Query Routing Trees Optimization on Smartphone Networks
  - In collaboration with Ass. Prof. Dr. Demetris Zeinalipour-Yazti
- Teaching
  - Databases laboratory
  - Provided in-class support to undergraduate students
  - Graded assignments on database management systems

University of Essex (UoE), Colchester, Essex, UK

    <u>Teaching Assistant</u>

- Assisted Java Software laboratory
- Provided in-class support to MSc engineering students
- Graded assignments on programming and drafting

Computer International Institute, Larnaca, Cyprus

    <u>Tutor (June to September, 2005)</u>

- Java Programming language.
- Trained undergraduate engineering students.

VIII. ADMINISTRATIVE ACTIVITIES AND RESPONSIBILITIES

Roles & Committees

- **Academic Program Coordinator *& contact person:* MSc in Web & Smart Systems**
    - *Participated in the development of the application for approval: Development of the Program Structure, Syllabi, Program Objectives and Learning Outcome, etc.*
    - *Director of the Student Applications Evaluation Committee.*
    - *Coordinator of Research Proposal and Master Thesis.*
- **Director of Research and Entrepreneurship Committee, Professional and Personal Development of Frederick University staff.**
- **Member of the university committee for the promotion of Women in STEM initiative.**
- **Member of the experiential learning university committee.**
- **Member of the Department Quality Committee (Computer Science and Engineering programs)**
- **Member of the Special School Committee (School of Engineering):** for refining the Evaluation Procedures of the Academic Staff Promotion
- **Distance-Learning Final Exams Coordinator at Greece [Drama-2018, Serres-2019]**
- **Committees for Program Accreditation:**
    - **MSc in Web and Mobile Systems, director**
    - **MSc in Web and Smart Systems, director**
    - **BSc in Marketing with Digital Technologies**

Participated in the development of the application for approval: Development of the Program Structure, Syllabi, Program Objectives and Learning Outcome, etc.

- **Program Re-Evaluation Committee, MSc in Web and Smart Systems:** *Directing the development of the application for the re-evaluation of the MSc in Web and Smart Systems program.*
- **Program Accreditation Committee: MSc in Web and Smart Systems (DL)**
    - *Participated in the development of the application for accreditation: Program Structure, Syllabi, Program Objectives and Learning Outcome, etc.*

- ▪ *Participated in the two-members committee for the oral program evaluation by the Cyprus Agency of Quality Assurance and Accreditation in Higher Education (CYQAA) .*
- **Marketing/Promotion Committee:** *Member of the Departmental Promotion Committee. Representative for promoting the department at high schools and social events, organizing and participating in events with exhibits, talks and demonstrations*

Outreach Activities

Events Organized/Participated in the Organization at Frederick University
- ▪ Dhelida, Erasmus+ Meeting, 2022
- ▪ Career Fair, 2018, 2019
- ▪ Workshops for Prospective Students, 2018, 2019
- ▪ Google Hub for Google Hash Code, 2017, 2018
- ▪ Μαθητές στο Πανεπιστήμιο: Ανοίγοντας Ορίζοντες στην Έρευνα, 2017
- ▪ Microsoft Techlite Workshop 2014,2013, 2012
- ▪ Microsoft Imagine Cup Competition, 2012

Events participated/represented Frederick University
- ▪ Up To You(th)! Festival, Acropolis Park, 2018, 2019,2022
- ▪ 9th Information and Communication Technology Conference & Exhibition, Hilton Park, Nicosia, 2019
- ▪ Digital Agenda, Municipal Nicosia Theatre, 2019
- ▪ The European Researcher's Night, 2016, 2018, 2019
- ▪ Science Day at Pascal High School, 2018
- ▪ Γ' Εθνική Σύνοδος Νέων, Συνεδριακό Κέντρο, 2018
- ▪ ΗΜΕΡΙΔΑ: «ΕΞΥΠΝΗ ΠΟΛΗ – ΕΥΚΑΙΡΙΕΣ ΚΑΙ ΠΡΟΟΠΤΙΚΕΣ, CYTA, 2018
- ▪ 1st Mediterranean Science Festival, Lanitis Carob Mill Complex, Limassol, 2015
- ▪ Microsoft Imagine Cup Competition, Hosted by UNic, 2015
- ▪ Science Rocks, organized by Research Promotion Foundation, Cyprus, 2014
- ▪ Microsoft Imagine Cup Competition, Hosted by EUC, 2014
- ▪ Science Rocks, organized by Research Promotion Foundation, Cyprus, 2013
- ▪ Microsoft Imagine Cup Competition, Hosted by TEPAK, 2013
- ▪ Hackathon Competition, Hosted by UCY, 2013
- ▪ Microsoft Imagine Cup Competition, Hosted by Frederick, 2012
- ▪ Microsoft Imagine Cup Competition, Hosted by UCY, 2011

Director of the Mobile Devices Laboratory (MDL)

Established 10th of July, 2012 at Frederick University, sponsored by Microsoft Cyprus and supported by Cyprus Telecommunications Authority (CYTA), MTN and CyRIC

- R&D Staff
  - ▪ **One Post-Doc Researcher**
  - ▪ **Five PhD students - Researcher**
  - ▪ **Three Full-Time Senior Developers**
  - ▪ **Two Full-Time Junior Developers**

- Social Responsibility

- Anti-drug Council Cyprus: Ask 4 Alcocheck Smartphone applications
- Thermokoitida Agapis: web platform that raises-awareness and support for families affected by prematurity.
- StepFree: Smartphone application that supports people on wheelchairs.
- DreamFighters: Raise awareness to teenagers against stereotypes

- BSc and MSc students Publications
  - Christophoros Kronis, Andreas Konstantinidis and Harris Papadopoulos, "Human-Like Agents for a Smartphone First Person Shooter Game using Crowdsourced Data", IFIP Artificial Intelligence Applications & Innovations (AIAI'13), Springer, Cyprus 2013.
  - Yiannis Hadjicharalambous and Andreas Konstantinidis. "A Multi-Objective Wireless Sensor Network Deployment for Real-Time Monitoring of Forest Fires". 6th Cyprus Workshop on Signal Processing and Informatics, University of Cyprus, July, 2013

- Selected Web Systems, smartphone apps and:
  - Gudied: Augmented Reality platform for elders
  - EnterCY: smartphone application to enhance the experience of tourists via recommendations, augmented reality and storytelling
  - Smart Eco Cultivation System
  - Engino kid CAD: Mobile Model Viewer
  - Cloudscanner: Cloud infrastructure recommendation and automated setup platform
  - ARGOS: Autonomous Research & Guard Oversea System (ARGOS)

- **>50 Smartphone Applications available in app-stores (Total Downloads: >250 000)**:

  Cloud (open) databases
  - OSEL (Transportation Organization of Nicosia District)
  - CTO (Cyprus Tourism Organization)

- MDL Achievements:
  - European Culture and Tourism Network, EnterCY, **Finalist at KRK**, Croatia, 2022
  - #TechForGood, Bronze medal, Education Leaders Award, 2019
  - MDL Developer – **Third Place in Digital Champions**, 2019
  - MDL Developer – Youth Awards, Youth Board of Cyprus, **Innovation Category**, 2016
  - MDL Developer – Hellenic Bank **StudentLife Award**, 2016
  - MDL Developers/Frederick Undergraduate Students – **First in Microsoft Imagine Cup Competition** – Category World Citizenship – 2016
  - MDL Developers/Frederick Undergraduate Students – **World Finalists** – **Qualified in top-32 teams of the World** out of 150 teams from 64 countries, 2015.
  - MDL Developers/Frederick Undergraduate Students – **First in Microsoft Imagine Cup Competition** – Category World Citizenship – 2015
  - MDL Developers/Frederick Undergraduate Students – **First in Microsoft Hackathon Competition** – Sponsored by Microsoft – Hosted by UCY – 2015
  - Cyprus Radio – **Best Free App** in Google Play Music & Audio category

- MDL Developers/Frederick Undergraduate Students – **First in Microsoft Hackathon Competition** – Sponsored by Microsoft – Hosted by UCY – 2012
- Local and Hellenic Press Extensively Covered MDL Innovations
- MDL presented projects and represented Frederick in several TV shows.

- Internships:
  - K. Mouzouras: Undergraduate – Frederick Nicosia Campus Radiomaps for fingerprinting-based indoor localization
  - D. Demetriou: University of Dundee Graduate – Cyprus Futsal Finder
  - P. Mpeis: UCY Graduate – CyMAR Project
  - C. Parmatzias: Graduate – ExchangeIT Project
  - C. Kyprianides: Undergraduate – Psychological Test App on Android– ACOE399
  - V. Ioannou: Undergraduate – GeoAlarm – ACOE399
  - L. Masis: Undergraduate – Carpooling – ACOE399

- Contact Details:
  Email: mdl-lab@frederick.ac.cy
  Web Site: http://mdl.frederick.ac.cy/
  Facebook: MDL Frederick
  Twitter: @MDL_Frederick

IX. RESEARCH PROJECTS AND GRANTS

Summary on Research Projects (since 2017)		
Total # of Projects	Total Projects Funding	Total Funding (MDL/Personal)
24	€26,568,736.00	€2,129,623.00

Research and Innovation Foundation, CODEVELOP-GT/0322　　　　　**2022-2024**
- Call & Funding Body: Co-develop, RIF
- Title: Green-HIT: A Green Holistic IoT platform for Forest Management
- Role: Coordinator
- Funding: € 201.980,00 (Budget: € 681.436)
- Organizations: FRC, CYRIC, Eratosthenis, CERIDES, IACO

EU EUREKA/EUROSTARS　　　　　**2022-2025**
- Call & Funding Body: co-funded by Eureka/Eurostars Member Countries (Research and Innovation Foundation) and the EU Horizon 2020 framework programme
- Title: AURA-Care: AUgmented and virtual ReAlity enabled communication, training and data streaming in healthcare
- Role: Researcher
- Funding: €129.000 (Budget: €898.000)

European Commission, Erasmus+, KA2　　　　　**2022-2025**
- Call & Funding Body: EU Erasmus+ - KA2 - Alliances for Enterprises and Education
- Title: Be-Digital: Alliance for Fostering Business and Education Innovation through Digital Supply Chains

- Role: WP Leader
- Funding: €177.000 (Budget: €1.164.000)
- Organizations:

European Commission, Erasmus+, KA220-SCH-8E930747 **2022-2024**
- Call & Funding Body: Erasmus+, EU
- Title: BLISS: Boosting Health Literacy for School Students
- Role: Intellectual Output Leader
- Funding: € 51,288 (Budget: € 356,709)
- Organizations: UNIVERSITAET BIELEFELD, ASSOCIAZIONE CITTADINANZATTIVA ONLUS, DIEYFTHYNSI DEYTEROVATHMIAS EKPAIDEYSIS N. KARDITSAS, Inspectoratul scolar judetean Iasi, Frederick University, EUROPEAN GRANTS INTERNATIONAL ACADEMY SRL, ORGANIZING BUREAU OF EUROPEAN SCHOOL STUDENT UNIONS

European Commission, Erasmus+, KA220-SCH-C528E85D **2022-2024**
- Call & Funding Body: Erasmus+, EU, Cooperation partnerships in school education
- Title: FIT: Fairness in Teaching
- Role: Intellectual Output Leader
- Funding: €58,653 (Budget: €391,104)
- Organizations: LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY, SMART VENICE SRL , WOMEN IN DIGITAL INITIATIVES LUXEMBOURG ASBL , GIP Formation tout au long de la vie, FREDERICK UNIVERSITY

European Commission, Erasmus+, KA220-HED-0C7D44A1 **2022-2024**
- Call & Funding Body: Erasmus+, EU, Cooperation partnerships in higher education
- Title: UPDEIT: UPDating university curricula on Early InTervention
- Role: Intellectual Output Leader
- Funding: €38,373 (Budget: €144,513)
- Organizations: Ss. CYRIL AND METHODIUS UNIVERSITY IN SKOPJE, FREDERICK UNIVERSITY, ROSTOVSKIJ GOSUDARSTVENNYJ EKONOMICHESKIJ UNIVERSITET (RINH), UNIVERSIDAD DE LA LAGUNA

European Commission, Erasmus+, KA220-ADU-2A45FCD3 **2022-2024**
- Call & Funding Body: Erasmus+, EU, Cooperation partnerships in adult education
- Title: DELHIDA: Health Literacy for Disadvantaged Adults
- Role: Intellectual Output Leader
- Funding: € 59,000 (Budget: €302,345)
- Organizations: Cooperatieve vereniging Pressure Line U.A. ,FREDERICK UNIVERSITY, ANONIMI ETAIREIA EREUNAS KAI ANAPTIKSIS SISTIMATON KAI IPIRESION, PRO ARBEIT - KREIS OFFENBACH (AOR)- KOMMUNALES JOBCENTER, EUROPEAN GRANTS INTERNATIONAL ACADEMY SRL

Research and Innovation Foundation, EXCELLENCE/0421/0188 **2022-2024**
- Call & Funding Body: Excellence Hubs, RIF
- Title: MILI: Biophotonics technology for in-situ, fast, accurate and cost-effective milk analysis
- Role: WP Leader
- Funding: € 29,050 (Budget: € 266,630)

- Organizations: Cyprus University of Technology (CUT), CYRIC, Frederick University

Research and Innovation Foundation, ENTERPRISES/0521/0068   **2022-2024**
- Call & Funding Body: RESEARCH IN ENTERPRISES, RIF
- Title: Agri-Lora: Smart Agriculture using Ultra-Long-Range Wireless Data and Power Transfer
- Role: WP Leader
- Funding: € 21,600 (Budget: € 199,539)
- Organizations: University of Cyprus (UCY), CYRIC, Frederick University

European Commission, DIH2, VTT-R-00171-25   **2022-2023**
- Call & Funding Body: DIH2+, EU
- Title: COBITT-Robotization of the manufacturing process of a multi-layered composite skateboard deck
- Role: Technical Partner
- Funding: € 94,500 (Budget: € 244,500)
- Organizations: CAPSULE, University of Cyprus, Frederick University

European Commission, Erasmus+, 2020-1-CY01-KA226-HE-082724   **2021-2023**
- Call & Funding Body: Erasmus+, Innovation, EU
- Title: BCT4SMEs: High level knowledge awareness of BlockChain Technology applications in SMEs
- Role: Intellectual Output Leader
- Funding: € 36,015 (Budget: € 229,090)
- Organizations: CIVI COMPUTING LTD-UK, DANMAR COMPUTERS-POLAND, ASSERTED KNOWLEDGE-GREECE, INSTALOFI LEVANTE SL-SPAIN, ATERMON-NETHERLANDS, Frederick University

European Commission, Erasmus+, 2020-1-CY01-KA226-HE-082724   **2021-2023**
- Call & Funding Body: Erasmus+, Higher education, EU
- Title: OLMEdu: Open Lab for the up-skilling of higher educational staff in on-line Management Education
- Role: Intellectual Output Leader
- Funding: €67,718 (Budget: €281,147)
- Organizations: PANEPISTIMIO PATRON-GREECE, UNIVERSITA DEGLI STUDI DI ROMA TOR VERGATA-ITALY, GRANTXPERT CONSULTING LIMITED-CY, HELLENIC OPEN UNIVERSITY – GREECE, Frederick University

Research and Innovation Foundation PRE_SEED/0719/XXX   **2021-2023**
- Call & Funding Body: CREATION AND INITIAL DEVELOPMENT OF STARTUPs WITH INTERNATIONAL ORIENTATION (Pre-Seed), RIF
- Title: ASM4Deaf: Accessible System and Social Media Mobile Application for Deaf Users

- Role: WP Leader
- Funding: €18,972 (Budget: €117,640)
- Organizations: A.G. CD, UCY, Frederick University

Research and Innovation Foundation CONCEPT/0618/0063   2020
- Call & Funding Body: Proof of Concept for Technology / Knowhow Applications, RIF
- Title: A Smart Out of Home advertising platform
- Role: Scientific Consultant
- Funding: €2,737 (Budget: €35,587)
- Organizations: Geomatic T.C., Frederick University

European Commission LIFE18 IPE   2019-2029
- Call & Funding Body: EU LIFE Integrated Projects 2018, European Commission
- Title: LIFE IP Physis - Managing the Natura 2000 network in Cyprus and shaping a sustainable future
- Role: Work Package / Action Leader
- Funding: €94.500 (Budget: € 16,999,279)
- Organizations: Department of Environment, Ministry of Agriculture, Rural Development and Environment Cyprus, Department of Forests, Ministry of Agriculture, Rural Development and Environment, Game and Fauna Service, Ministry of Interior, Terra Cypria Foundation, BirdLife, Open University of Cyprus, Frederick University Cyprus, Cyprus Wildlife Society, Federation of Environmental Organisations of Cyprus, ACC Perivallon kai Kainotomia Limited, I.A.CO. Environmental & Water Consultants Limited, National and Kapodistrian University of Athens, Department of Fisheries and Marine Research, Ministry of Agriculture, Rural Development and Environment, Cyprus University of Technology, AP Marine Environmental Consultancy Ltd.

Research Promotion Foundation INTEGRATED/0609/0020   2019-2022
- Call & Funding Body: Integrated Projects, Research Promotion Foundation Cyprus
- Title: EnterCY - ENhancing Tourist ExpeRience in CYprus
- Role: Scientific Coordinator and Principal Investigator, Member of the Three-member committee for Phase II Interview
- Achievement: Ranked First in both Phases 1 and 2 of the evaluation
- Funding: €400,000 (Budget: €1,200,000)
- Organizations: Frederick Research Center, University of Cyprus, CY.R.I.C Cyprus Research and Innovation Center, Silversky 3D VR Technologies LTD, IMH, Cyprus Tourist Guides Association, Association of Cyprus Travel Agents, Ministry of Transport, communications and works, Cyprus Tourism Organization.

Research Promotion Foundation P2P/AAL/0419   2019-2022
- Call & Funding Body: ACTIVE AND ASSISTED LIVING Programme (AAL), Research Promotion Foundation Cyprus
- Title: GUIDED - Sustainable Smart Solutions for Ageing well

- Role: Work Package Leader
- Funding: €35,340 (Budget: €1,243,781)
- Organizations: Agecare (Cyprus) LTD, Kompetenznetzwerk Informationstechnologie zur Förderung der Integration von Menschen mit Behinderungen, Platus Learning Systems GmbH, Harpo Sp., University of Cyprus, Karde AS, Frederick Research Center.

Research Promotion Foundation SOCIALINNO/0617/0007   2019-2021
- Call & Funding Body: Social Innovation, Research Promotion Foundation Cyprus
- Title: SaveOurFood - Food Waste, Circular Economy and Social Welfare
- Role: Work Package Leader
- Funding: €15,000 (Budget: €99,512)
- Organizations: Frederick Research Center, BOROUME, Aglantzia Municipality, Nicosia Volunteer Service.

Research Promotion Foundation START-UPS/0618/0049   2019-2021
- Call & Funding Body: Research in Enterprises, Research Promotion Foundation, Cyprus
- Title: SportsTraveller – Electronic Booking System with Recommendations
- Role: Work Package Leader
- Funding: €26,940 (Budget: €83,380)
- Organizations: Frederick Research Center, SportTraveller76.com.

Research Promotion Foundation EXCELLENCE\1216\0085   2019-2022
- Call & Funding Body: Excellence, Research Promotion Foundation Cyprus
- Title: MPI_Liver - Optimizing the SPECT myocardial perfusion imaging under the liver activity
- Role: Task Leader
- Funding: €5,000 (Budget: €250,000)
- Organizations: Frederick Research Center, Ministry of Health, Department of Nuclear Medicine - General Hospital of Limassol, Department of Nuclear Medicine - General Hospital of Nicosia, Department of Medical Physics - General Hospital of Nicosia, Bank of Cyprus Oncology Centre, Department of Nuclear Medicine, Research Center of European University Cyprus, King College London.

European Commission JUST/2017/ACTION GRANTS   2018-2021
- Call & Funding Body: JUST EU Programme, European Commission
- Title: HIT – Hate Interrupter Teams
- Role: Work Package Leader
- Funding: €45,000 (Budget: €550,000)
- Organizations: Frederick University, Hope for Children (Cyprus), Rinova and Collage Arts (UK), Smile of the Child (Greece), CEPS (Spain), MuLab (Italy), Metropolisnet (Germany), Gender Alternatives Foundation (Bulgaria).

European Commission LIFE16/GIE/CY/000709   **2017-2020**

- Call & Funding Body: Life Programme, European Commission
- Title: iLIFE-Troodos - Troodos National Forest Park: Promoting natural values and Ecosystem Services
- Role: Work Package Leader
- Funding: €50,500 (Budget: €1,300,000)
- Organizations: Frederick University, Game and Fauna Service Terra Cypria (Cyprus), Department of Environment (Cyprus), Contact.

Research Promotion Foundation INNOVOUCHERS/1217/0081   **2018-2019**

- Call & Funding Body: Innovation Voucher, Research Promotion Foundation Cyprus
- Title: SmartMap - the go-to tool for on-field environmental surveys
- Role: Coordinator
- Funding: €5,000 (Budget: €5,000)
- Organizations: Frederick Research Center, A.L.A. PLANNING PARTNERSHIP CONSULTANCY L.L.C.

Research Promotion Foundation INNOVOUCHERS/1217/0030   **2018-2019**

- Call & Funding Body: Innovation Voucher, Research Promotion Foundation Cyprus
- Title: MOO-WMS - Multi-Objective Optimization Waste Management System
- Role: Coordinator
- Funding: €5,000 (Budget: €5,000)
- Organizations: Frederick Research Center, T.C. GEOMATIC LTD.

Projects Participated as a Visiting Lecturer/Post-Doctoral Researcher

FP7 (Grant Agreement No 611421)   **2013-2016**

- Title: Miraculous (FP7-ICT-2013-10) Miraculous-Life for Elderly Independent Living
- Role: Researcher
- Budget: European Union – €3.2M
- Organization: University of Cyprus.

Research Promotion Foundation, Cyprus   **2014-2016**

- Title: Investigation of earthquake signatures in the ionosphere over Europe
- Role: Researcher
- Budget: €25,000
- Organization: Frederick University.

Research Promotion Foundation, Cyprus   **2012-2014**

- Title: Cyprus Ionospheric Forecasting service
- Role: Researcher
- Budget: €150,000
- Organization: Frederick University

EU European Cooperation in Science and Technology (COST)   **2009-2013**
- Title: MOVE (COST Action IC0903)
- Role: Associated Member – DMSL, UCY

EU FET-OPEN   **2009-2012**
- Title: MODAP - Mobility, Data-mining And Privacy
- Role: Associated Member – DMSL, UCY

Research Promotion Foundation, Cyprus   **2009-2012**
- Title: FireWatch: Fire detection/prediction of Cyprus forests using Wireless Sensor Networks
- Role: Researcher
- Budget: €160,000
- Organization & Partners: University of Cyprus, Ministry of Agriculture – Department of Forests, TC Geomatic Technologies LTD, CITARD Services LTD

Research Promotion Foundation, Cyprus   **2009-2012**
- Title: Novel Technologies for Production Planning in Flexible Supply Chains
- Role: Researcher
- Budget: €164,000
- Organization & Partners: Frederick University, American University of Beirut, Sadolin CY Ltd

X. INDUSTRIAL PROJECTS, SPONSORSHIPS & PUBLIC PROCUREMENTS

Summary on Industrial Projects (since 2012)			
Total # of Projects	Total Budget	Total Funding	Total # of Partners/Supporters
51	€730,520.00	€476,479.00	35

Ministry of Education (Public Procurement)   **2022**
- Title: Aristotelis (CYFIT): A web platform for students health
- Role: Coordinator
- Funding: €30,000 (Budget: €130.000)

Delemma McCann   **2022**
- Title: Internal platform for customer management
- Role: Coordinator
- Funding: €2,000

University of Cyprus (Public Procurement)   **2021**
- Title: Augmented Reality Smartphone Application for Amathus underwater old port
- Role: Coordinator
- Funding: €5,000

Department of Forest (Public Procurement)   **2021**
- Title: Cavo Gkreco Educational Online Game on Touch screens
- Role: Coordinator
- Funding: €5,000

ETAP Nicosia, Deputy Ministry of Tourism (Public Procurement)   **2021**
- Title: Treasure Hunt
- Role: Coordinator
- Funding: €8,290

CYRIC   **2021**
- Title: Optibox/XEYE – Postman Route Optimization
- Role: Coordinator
- Funding: €25,000

Department of Antiquities (Public Procurement)   **2021**
- Title: Smart Guide for the Archaeological Site of Idalion
- Role: Coordinator
- Funding: €8,500

CYRIC   **2021**
- Title: A dynamic IoT platform
- Role: Coordinator
- Funding: €22,000

CYRIC   **2021**
- Title: Project Website Generator, DIH and CYRIC websites
- Role: Coordinator
- Funding: €17,700

ETAP Nicosia, Deputy Ministry of Tourism (Public Procurement)   **2021**
- Title: Nicosia Pass
- Role: Coordinator
- Funding: €24,800

UK Centre for Ecology & Hydrology   **2020**
- Title: AEEC TREASURE HUNT PROJECT
- Role: Principal Investigator
- Funding: €4,000
- Organizations: UK Centre for Ecology & Hydrology, Akrotiri Environmental Education Center (AEEC)

Ministry of Energy, Commerce Industry and Tourism (Public Procurement)   **2017-2020**

- Title: Fuel-Watch - Fuel Management and Control System
- Role: Principal Investigator
- Funding: €30,159 (Budget: €92,000)
- Organizations: Frederick University, CONEL.

A.M.A. MASQUARE LTD   **2020**
- Title: PoC Amazon Tool
- Role: Coordinator
- Funding: €2,000

VIPS   **2019-2020**
- Title: TAXI Management Platform and Tracking
- Role: Coordinator
- Funding: €1,500

A.G. Connect Deaf Limited   **2019-2020**
- Title: Sign Language Keyboard (SLK) Applications
- Role: Coordinator
- Funding: €10,560

Keystone (Ministry of Energy Tender)   **2019-2021**
- Title: Conference Management and Registration Web-System and Smartphone applications
- Role: Coordinator
- Funding: €30,000

Geomatic   **2019 – 2020**
- Title: Consultancy for GIS systems upgrades and new modules development
- Role: Director
- Funding: €14,400

Internship Platform (Public Procurement)   **2019-2020**
- Title: Internship Platform and Smartphone applications (Γραφεία Διασύνδεσης Πανεπιστημίων με την αγορά εργασίας)
- Role: Coordinator
- Funding: €77,000 (Budget: €180,000)
- Organizations: Frederick University, UCLAN Cyprus

Department of Forests (Interreg Tender)   **2019-2020**
- Title: Geo-In Cycling Route
- Role: Coordinator
- Funding: €4,410

NetInfo   **2019-2020**
- Title: Deliver Training to NetInfo Junior developers on iOS and Android
- Role: Coordinator

- Funding: €7,500

Department of Forests (iLIFE project Extensions)   **2019-2020**
- Title: iLife Touch Screens Extensions
- Role: Coordinator
- Funding: €2,000

Radeon Application   **2019-2020**
- Title: Smartphone app for equipment management
- Role: Coordinator
- Funding: €2,500

Hope For Children   **2019-2020**
- Title: Base project collaboration platform and website
- Role: Coordinator
- Funding: €1,260

National Betting Authority Cyprus (Tender)   **2019-2020**
- Title: Betting Authority Awareness Platform
- Role: Coordinator
- Funding: €2,500

CYTACOM   **2018-2019**
- Title: Help Direct Smartphone Applications (Andorid, iOS)
- Role: Coordinator
- Funding: €2,500

EU – Tender (Darkside)   **2018-2019**
- Title: Linguee Microsites
- Role: Coordinator
- Funding: €4,000

Cyprus Family Planning Association   **2018-2019**
- Title: Dream Fighters: Smartphone Applications for raising-awareness against stereotypes
- Role: Coordinator
- Funding: €2,100

National Addictions Authority (Public Procurement)   **2017-2018**
- Title: Web-based Collaboration and Management Platform
- Role: Coordinator
- Funding: €29,000

Geomatic   **2017 – 2018**
- Title: GreenDot / AFIS: Smartphone application for recycling in Cyprus

- Role: Director
- Funding: €2,600

Geomatic   2016 – 2017
- Title: Civitas Smartphone Applications – Phase B
- Role: Director
- Funding: €4,000

CNP (University of Cyprus)   2017-2018
- Title: Indoor Navigation for people with vision impairments (Estimote Beacons)
- Role: Coordinator
- Funding: €2,000

Geomatic   2016 – 2017
- Title: Civitas Smartphone Applications – Phase A
- Role: Director
- Funding: €2,500

Department of Environment (Public Procurement)   2015-2017
- Title: Web platform for managing environmental legislations
- Role: Technical Manager / Principal Investigator
- Funding: €5,000

Polar Effect (Netherlands)   2016 – 2017
- Title: Immersive Reality (360 video) Viewer Smartphone Application
- Role: Director
- Funding: €5,000

Thermokoitida Agapis (Microsoft)   2016 – 2017
- Title: Web Platform for raising-awareness and support for families that affected by prematurity
- Role: Director
- Funding: €2,000

Geomatic   2017
- Title: Civitas Smartphone Applications
- Role: Director
- Funding: €2,500

NetInfo   2016 – 2017
- Title: SmartWatch Applications for Bank Transactions Visualization
- Role: Director
- Funding: €2,400

Hope For Children (Microsoft)   2016 – 2017

- Title: Judex+: Web Platform and Smartphone Application for raising awareness and support on positive judicial experience for children victims of sexual violence.
- Role: Director
- Funding: €2,800

IBSCY   **2016 – 2017**
- Title: Cloudscanner
- Role: Director
- Funding: €8,000

Microsoft Cyprus (sponsorship)   **2012 – 2017**
- Title: Establishment of the Mobile Devices Laboratory (MDL)
- Role: Director
- Funding: €15,000 (in equipment)

Cyprus Telecommunications Authority – CYTA (sponsorship)   **2014 – 2016**
- Title: Strategic Partnership for research and development
- Role: Director
- Funding: €4,000 (in equipment)

Pay By Tech (PBT)   **2015 – 2016**
- Title: Cloud-based CRM and smartphone apps
- Role: Director
- Funding: €6000

Lamda Cards Services   **2015 – 2016**
- Title: Smartphone apps
- Role: Director
- Funding: €4300 euro

Dromon Bureau of Shipping   **2015 – 2016**
- Title: Smartphone apps
- Role: Director
- Funding: €2000 euro

Microsoft Cyprus   **2013 – 2015**
- Title: Azure Cloud-based Open Data - Open Government Data Initiative Grant
- Role: Director
- Funding: €13,000

Microsoft Cyprus   **2014 – 2015**
- Title: StepFree – Cyprus Paraplegics Association
- Role: Director
- Funding: €2,000

Engino.net LTD   **2014 – 2015**

- Title: Engino Model Viewer smartphone applications and Web Platform
- Role: Director
- Funding: €3,500

Post-office Cyprus   **2013 – 2014**
- Title: Smartphone apps
- Role: Director
- Funding: €2000 euro

CyMAR Market Research LTD   **2012 – 2013**
- Title: Android Application Development
- Role: Director
- Funding: €2,650

Powersoft Computer Solutions LTD   **2012 – 2013**
- Title: Windows Phone 7/8 and Windows 8/10 Applications Development
- Role: Director
- Funding: €5,000

C.E. Innovation Retaliation IT Solutions Ltd   **2012 – 2013**
- Title: Windows Phone 7 Application Development
- Role: Principal Investigator
- Funding: €1000

Amazing Destinations DMC LTD   **2012 – 2013**
- Title: Windows Phone 7 Application Development
- Role: Principal Investigator
- Funding: €750

XI. TALKS, PRESENTATIONS & MEDIA APPEARANCES

Invited Talks and Presentations

- "Learning Activity Technological Innovations and their business perspectives" Development of Entrepreneurial Mindset in Higher Education, Erasmus+, 2019

- "IoT Data Prefetching in Indoor Navigation SOAs" The 10th Hellenic Data Management Symposium, Cyprus, 2018

- "1st National Forum on Children's Rights" Hilton Hotel Cyprus, 2017

- "Εκπαιδευτικό Εργαστήρι σε Θέματα Σύγχρονου Μάρκετινγκ για Άνεργους Πτυχιούχους", Frederick University, Cyprus, 2 Φεβρουαρίου 2015

- "Privacy-preserving Indoor Localization on Smartphones", 7th Webdatanet MC, WG, TF Meetings, Workshops + Conference on Mobile Research, Larnaca, Cyprus 31 March - 2 April 2014

- "Πώς τα smartphone applications μπορούν να ενισχύσουν το e-business σας", 6ο Συνέδριο Ηλεκτρονικού Εμπορίου, Ξενοδοχείο Hilton Park, Λευκωσία, Τρίτη 8 Απριλίου 2014

- "Intelligent Search in Social Communities of Smartphone Users", Science Day @University of Cyprus, 2012

- "*Multi-Objective Optimization of Query Routing Trees in Smartphone Social Networks*", The 16th Hellenic Data Management Symposium, Greece, 2011

- "*Socially-aware Query Routing in Mobile Networks*", The 9th Hellenic Data Management Symposium, Cyprus, 2010

- "*Multi-Objective Optimization in Wireless Sensor Networks using Metaheuristics*", CS Department @ Frederick University, Cyprus, 2009

- "*Hierarchical Sensor Network Planning using a bio-inspired Hyperheuristic*", PhD Computer science and Electronic Engineering Conference @ Essex, UK, 2009

- "*A Subproblem-dependent Heuristic in MOEA based on Decomposition for the Deployment and Power Assignment Problem in Wireless Sensor Networks*", IEEE Congress on Evolutionary Computation, CEC'09 Evolutionary Optimization, Trondheim, Norway, March, 2009

- "*An Evolutionary Algorithm to a Multi-Objective Deployment and Power Assignment Problem in Wireless Sensor Networks*", IEEE Global Communications Conference, GlobeCom'08, New Orleans, USA, 30 Nov. 2008

Media Appearances

- " Mobile Devices Laboratory", ΡΙΚ1, ΕΙΜΑΣΤΕ ΕΔΩ με τη Φανή Σωκράτους, 25 Φεβρουαρίου 2015

- "Ask 4 Alcocheck Smartphone Application", MEGA Channel, ΚΑΛΗΜΕΡΑ ΚΥΠΡΟΣ με τον Παναγιώτη Δημόπουλο, 2014

- "Great Results from College Professor's app-creating team", Sunday Mail, December 2012

XII. ACADEMIC/RESEARCH AWARDS/SCHOLARSHIPS

Education Leaders Award – Hellenic Bank of Cyprus
- 2019 Bronze Medal "TechForGood", applying technology for the good of society

Research Promotion Foundation
- 2018 EnterCY Research Project Proposal – Ranked First in Phase 1 – Remote Evaluation
- 2018 EnterCY Research Project Proposal – Ranked First in Phase 2 – Presentation/Interview

19th IEEE International Conference on Mobile Data Management (MDM'18)
- Best Paper-award nomination
- Best of MDM 2018, ``Decaying Telco Big Data with Data Postdiction'', (GeoInformatica - Springer - journal invitation)

Microsoft Cyprus
- 2013 Open Government Data Initiative Grant
- 2012 Mobile Devices Laboratory Establishment Grant

IEEE Computational Intelligence Society
- 2009 Congress of Evolutionary Computation Student Scholarship.

University of Essex (UoE)
- Research Endowment Fund for remarkable achievements in 1st year PhD studies, Electronic Systems Engineering Department, 2006-2008
- Postgraduate Research Scholarship, Electronic Systems Engineering Department, 2005-2008
- University of Essex Full Scholarship, 2005-2008
- Engineering and Physical Sciences Research Committee Fund (EPSRC), 2005-2008
- MSc Distinction in engineering, Electronic Systems Engineering Department, 2005

Budapest University of Technology and Economics, BUTE
- BSc Honors in engineering, Faculty of Electrical Engineering and Informatics, 2004.
- Reduction of fees, January-June, 2004.
- Certificate of Merit, Faculty of Electrical Engineering and Informatics, 2004
- Student of the year, Faculty of Electrical Engineering and Informatics, 2004
- Reduction of fees, September-December, 2003
- Reduction of fees, January-June, 2003
- Certificate of Merit, Faculty of Electrical Engineering and Informatics, 2003
- Student of the year, Faculty of Electrical Engineering and Informatics, 2003

XIII. OTHER DIPLOMAS & COURSES

- Distance Learning Training Diploma, Frederick University, 2017
- Web Intelligence and Big Data (Online Course @ Coursera) by Dr. Gautam Shroff Indian Institute of Technology Delhi, India, Fall 2013
- Creative Programming for Digital Media & Mobile Apps (@ Coursera) by Dr Marco Gillies, Dr Matthew Yee-King, Dr Mick Grierson, University of London, UK, Spring 2013
- Machine Learning Diploma (@ Coursera), by Professor Andrew Ng, Stanford University, USA, Spring 2011
- Graduate Demonstrator Diploma, Learning and Teaching Unit, University of Essex, 2006

XIV. PROFESSIONAL SERVICES

PhD Defense and Oral Examination Committee
- PhD Defense by Christo Mettouris (University of Cyprus, 2018)

Proposal Evaluator
- Σχέδιο Χορηγιών Ενίσχυσης της Επιχειρηματικής Καινοτομίας – Υπουργείο Εμπορίου – 2013 (2 applications)

Other Committees
- **Poster Session Evaluator:** ACM/SIGAPP Symposium on Applied Computing, Limassol Cyprus, 2019
- **Program committee:** ALIAS 2019, the 1st IEEE Intl. Workshop on Algorithms for Indoor Architectures and Systems, held in conjunction with the 20th IEEE Intl. Conference on Mobile Data Management (MDM 2019), June 10, 2019, Hong Kong.
- **Local Organizing Committee**: The 16th Hellenic Data Management Symposium, Cyprus, 2018
- **Program committee:** 16th IEEE International Conference on Ubiquitous Computing and Communications IEEE IUCC-2017
- **Publicity Chair:** IEEE Mobile Data Management (MDM'13), Brisbane, Australia, 2013.
- **Workshop Co-Chair:** IEEE\IFIP Embedded and Ubiquitous Computing (EUC-2012), Zhangjiajie, China, 2013.
- **Sponsorship Chair:** IFIP Artificial Intelligence Applications and Innovations (AIAI), Paphos, Cyprus, 2013.
- **Workshop Organizer:** IFIP Artificial Intelligence Applications and Innovations (AIAI), Paphos, Cyprus, 2013.
- **Vice Chair:** Sensor Network Track Chair. IEEE\IFIP Embedded and Ubiquitous Computing (EUC-2012), Paphos, Cyprus, 2012.
- **Program Committee:** Artificial Intelligence Applications and Innovations (AIAI), Halkidiki, Greece, 2012.
- **Program Committee:** IEEE International Conference on Ubiquitous Computing and Communications (IUCC-2012), Liverpool, UK, 2012.
- **Local Judge:** Microsoft Imagine Cup Competition, Nicosia, Cyprus, 2011.

- **Program Committee:** International Conference on Intelligent Computing (ICIC 2011), Zhengzhou, China, 2011.
- **Program Committee:** International Conference on Communications and Mobile Computing (CMC 2011), Qingdao, China, 2011.
- **Advisory and program committee:** PhD Computer science and Electronic Engineering Conference 2010 (IEEE CEEC10), School of Computer Science and Electronic Engineering, University of Essex, UK, 2010.
- **Program Committee:** Arificial Intelligence, Applications and Innovations (AIAI), Ayia Napa, Cyprus, October, 2010, 2011.
- **Founding member, organizing committee:** IEEE Computer science and Electronic Engineering Conference 2009 (IEEE CEEC09), School of Computer Science and Electronic Engineering, University of Essex, UK, 2009.
- **Session Chair:** Evolutionary Multi-objective Optimization (EMO) session, IEEE Congress on Evolutionary Computation, Trondheim, Norway, 2009.

Journal and Magazine Referee (Selected)
- IEEE Transactions on Mobile Computing (**IEEE TMC**)
- IEEE Transactions on Knowledge and Data Engineering (**IEEE TKDE**)
- IEEE Transactions on Evolutionary Computation (**IEEE TEVC**)
- IEEE Transactions on Systems, Man, and Cybernetics-Part A. (**IEEE SMCA**)
- IEEE Transactions on Systems, Man, and Cybernetics-Part B. (**IEEE SMCB**)
- IEEE Transactions on Services Computing (**IEEE TSC**)
- IEEE Communication Letters.
- IEEE Internet Computing (**IEEE IC**)
- ACM Transactions on Intelligent Systems and Technology (**ACM TIST**)
- Distributed and Parallel Databases (**Springer DAPD**)
- Elsevier Applied Soft Computing (**Elsevier ASOC**)
- Elsevier Computer Communications (**Elsevier ComCom**)
- Elsevier Computer Networks (**Elsevier ComNet**)
- Elsevier Computers (**Elsevier Com**)
- Journal of Artificial Evolution and Applications (**JAEA**)
- International Journal of Communication Systems (**IJCS**)

Conference Referee (Selected)
- ACM Int. Conf. on Advances in Geographic Information Systems (**ACM SIGSPATIAL**)
- International Conference on Web Information Systems Engineering (**WISE**)
- IEEE International Conference on Mobile Data Management (**IEEE MDM**)
- International Conf. on Web-Age Information Management (**Microsoft Research**)
- International Conference on Very Large DataBases (**VLDB**)
- IEEE/IFIP Embedded and Ubiquitous Computing (**IEEE/IFIP EUC**)
- IEEE International Conference on Communications (**IEEE ICC**)
- IEEE Global Communications Conference (**IEEE GlobeCom**)
- IEEE International Conf. on Ubiquitous Computing and Communications (**IEEE IUCC**)
- Artificial Intelligence, Applications and Innovations (**AIAI**)
- Euro-par International Conference on Parallel Computing

- IWCMC Wireless Ad Hoc and Sensor Networks
- International Conference on Communications and Mobile Computing (**CMC**).
- International Conference on Evolvable Systems (**ICES**)
- International Information and Knowledge Management Conference (**IKMC**)
- International Conference in Intelligent Computing (**ICIC**).
- Computer science and Electronic Engineering Conference.

XV. MEMBERSHIPS

Scientific Technical Chamber of Cyprus (ETEK), Member   **1997 to present**
- Registered Electronic Engineer (1997-present)
- Registered Computer Engineer (1997-present)

Institute of Electrical and Electronics Engineers, Inc. (IEEE), Member   **2006 to present**
- IEEE Communications Society (2006-present)
- IEEE Computational Intelligence Society (2006-present)
- IEEE Mobile Computing (2011-present)

XVI. PROFESSIONAL EXPERIENCE

Web-site Designer (Part-time)   **June 2005 to 2009**
- Salon International, Nicosia, Cyprus (www.saloninternational.com.cy)
- Eu-Map Consulting Co., London, UK (www.eumap-consulting.eu)
- Softteleia Co., Limassol, Cyprus (www.softteleia.com.cy)

Database Designer (Part-time)   **September 2009 to 2009**
- Cyprus Land Development Corporation, Nicosia, Cyprus (TEA project)

Computer International Institute, Larnaca, Cyprus   **June 2005 to September 2005**
- Tutor Java Object Oriented Programming

CYprus Telecommunication Authorities, CYTA, Cyprus   **June 2004 to September 2004**
- Technician engineer, Part-time

Xerographic Systems LTD, Nicosia, Cyprus   **August 2000 to September 2000**
- Technician (Internship)

Medisell CO LTD, Nicosia, Cyprus   **July 2000 to August 2000**
- Technician (Internship)

SITA, Nicosia, Cyprus   **June 2000 to July 2000**
- Technician (Internship)

DEI, Athens, Greece   **June 1999 to September 1999**
- Technician (Internship)

Golden Telecom, Nicosia, Cyprus   **June 1998 to September 1998**
- Technician (Internship)

XVII.   CIVIL SERVICE

- Nominated as officer (ranked 6th out of ~1000 on IQ and training tests).
- Awarded the position of army cadet, Tank Military School, Avlona, Greece, 2000.
- Awarded the position of second-lieutenant, Tank Brigade, Nicosia, Cyprus, 2002.

XVIII. TECHNICAL SKILLS

Extensive hardware and software experience in networking and information technology.

- **Smartphones App Development/OS/Tools:** Android, Windows Phone, Windows 8, Silverlight, XNA, Expression Blend
- **MATLAB experience:** linear algebra, nonlinear numerical methods, polynomials, statistics, visualization.
- **MATLAB toolboxes:** communications, genetic algorithm and direct search.
- **Programming:** Java, C, C#, C++, Basic, Pascal, Fortran, Visual .Net and others.
- **Applications:** TEX, LATEX, BibTEX, Macromedia Flash MX, Microsoft Office and other common productivity packages for Windows and Linux platforms.
- **Web Technologies:** HTML, HTML5, XML, JSON, Javascript, MVC, Ajax, etc.
- **Databases, middleware and APIs:** SQL, MySQL, MS Access, Corba, RMI, JDBC, ODBC.
- **Operating Systems:** Android, Windows 8/7/Vista/XP/2000/98/95, Linux and other UNIX variants.

XIX. CONTACT INFORMATION

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