

Prof George Dekoulis

Personal information

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Education

Dates	Oct 2001 – Aug 2007
Title of qualification awarded	PhD in Communications Systems
Name of awarding institution	Department of Computing and Communications, Lancaster University, UK
Key features	Research Associate on the design of Reconfigurable Space Computing Systems. <ul style="list-style-type: none">• The Department was 2nd in the UK in 2016.• Lancaster University is a top 10 UK University in 2019. Design of novel reconfigurable Computing Systems for Space: <ul style="list-style-type: none">• Space Magnetometer.• Space Interferometer.• Assisted in the Advanced RIO Imaging Experiment in Scandinavia (ARIES) System.• Assisted in the AIRIS (ALOMAR Imaging Riometer for Ionospheric Studies) System.• Assisted in the Sudden Ionospheric Disturbance (SID) System. Research included design from scratch of innovative reconfigurable computing systems for space applications.
Dates	Sep 1997 – Jul 2001
Title of qualification awarded	BEng (Hons) Communications Engineering
Name of awarding institution	Department of Computing, Engineering and Media, De Montfort University, Leicester, UK
Key features	Awarded a First Class Distinctions Degree. <ul style="list-style-type: none">• Top 5 UK BEng (Hons) course in 1996.• Sandwich course with compulsory and supervised Industrial Placement Year.• Highest exam marks throughout the four years of undergraduate study. Modules taught included: Programming, Embedded Systems, Assembly Languages, Digital FPGA Systems, Microprocessors, Computer Architecture, Microcontrollers, Digital Signal Processing, System Analysis, Digital Logic Design, Microelectronics, Computer Networks, HF Techniques, Software Engineering, Mobile Communications, Electronic Communications, Communications Systems, Artificial Intelligence and Neural Networks.
Dates	5/2000 – 5/2001
Title	Final Year Project: Three-Phase Pulse-Width-Modulation (PWM) Generator Design Using VHDL Programming and Artificial Neural Networks
Key features	<ul style="list-style-type: none">• Best Final Year Project. Based on a departmental research project for the programming and embedded neural control of complex computing systems. The project was approached from a research point of view and consisted of two parts. <ul style="list-style-type: none">• Design of an embedded PWM generator using VHDL programming and XILINX FPGAs.• Redesign of the PWM generator using Artificial Neural Networks, digitization for VHDL synthesis and FPGA implementation.

Work experience

Dates	Sep 2020 -
Employer Name	American University of Cyprus, Larnaca, Cyprus
Occupation and positions held	Dean of the Faculty of Sciences and Technology Professor in Computer Science, MIS Professor in Business Administration, MBA
Main activities and responsibilities	Consultant on the University's accreditation process. Has been assisting in the preparation of scientific courses.
Dates	July 2020 -Jan 2021
Employer Name	American College, Nicosia, Cyprus
Occupation and positions held	Head of BSc in Computer Science Professor in Computer Science Professor in MIS, Business Administration, MBA
Main activities and responsibilities	Academic Consultant on Computer Science, BA and MBA since 2017 Consultant on the College's accreditation process. Has been assisting in the preparation of scientific courses.
Dates	Feb 2020 - Jan 2021
Employer Name	City Unity College, Nicosia, Cyprus
Occupation and positions held	Academic Consultant Head of BSc in Computer Science Professor in Computer Science Professor in Business Administration, MBA
Main activities and responsibilities	Academic consultant on the College's accreditation process. Has been assisting in the preparation of scientific courses for the upcoming semesters.
Dates	Dec 2019 - Jan 2021
Employer Name	European Computer Competence Certificate (ECCC), Cyprus
Occupation and positions held	Academic Director
Main activities and responsibilities	ECCC is the replacement of the outdated ECDL. All ECCC modules are Computer Science based. Chief Trainer on all ECCC courses. Chief Examiner. Exclusive representative for ECCC in Cyprus. http://www.eccc.cy/contact/
Dates	Dec 2019 - Mar 2020 (Due to Covid-19)
Employer Name	Mesoyios College, Limassol, Cyprus
Occupation and positions held	Dean of Academic Affairs Academic Consultant since Sep 2018 Professor in Computer Science & Engineering Professor in Business Administration, Hospitality Operations Management, Hotel Management Head of Computer Science, Media & Engineering related courses Director of Mesoyios Research Centre President of the Research Committee Supervisor of the IT Department Member of the Academic HR Committee President of the Accreditation Committee Member of the Quality Assurance Committee Member of the Erasmus Committee Trainer in the Mesoyios Business Academy (MBA) Coordinator of relevant ANAD courses Coordinator of relevant Learning Resource Network (LRN) courses
Main activities and responsibilities	<ul style="list-style-type: none">• Teaching load: 6 hours per week.• Teaching was focused on Computer Science modules• Research was focused on the design of innovative reconfigurable Computing systems for Space Applications.• Managed the College's research activities and projects.
Dates	Aug 2015 -
Employer Name	Prometheus Space Technologies, Athens, Greece & Cyprus
Occupation and positions held	Chief Experience Officer (CXO) in Space Computing Professor in Space Computing, Space Instruments Programming
Main activities and responsibilities	<ul style="list-style-type: none">• Design of the Charybdis Space Mission, including Space systems design. The project partners

		include the Hellenic Aerospace Industry (EAB), Lockheed Martin and NASA
		<ul style="list-style-type: none"> • Chief Trainer on Space related courses • Reconfigurable Space Computing systems
	Dates	Feb 2020 -
	Employer Name	CTL Eurocollege, Limassol, Cyprus
	Occupation or position(s) held	Head of BSc in Computing Professor in Computer Science Academic Consultant on Computer Science since Sep 2015 Member of the Accreditation Committee Member of the Quality Assurance Committee
	Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching load: 6 hours per week. • Teaching is focused on Computer Science modules • Research is focused on the design of innovative reconfigurable Computing systems for Space Applications.
	Dates	Sep 2015 - Aug 2019
	Employer Name	Aerospace Engineering Institute (AEI), Cyprus & UK
	Occupation or position(s) held	Professor in Computer Science
	Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching load: 6-9 hours per week. • Teaching was focused on Computer Science subjects • Research was focused on the design of innovative reconfigurable Computing systems for Space Applications.
	Dates	May 2018 -
	Employer Name	Pearson Qualifications International, Nicosia & Limassol, Cyprus & UK
	Occupation or position(s) held	Invigilator & Examiner in LCCI, BTEC and GCSE examinations
	Dates	Jan 2008 – Aug 2015
	Employer Name	Frederick University, Nicosia & Limassol, Cyprus
	Occupation or position(s) held	Professor in Computer Science & Engineering Professor in Electrical & Electronic Engineering Member of the Accreditation committee Member of the Erasmus committee Member of the Long Distance Learning committee
	Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching load: 12 hours per week. • Designed from scratch and delivered >60 accredited modules and their laboratories. • Teaching was mainly on Computer Science & Engineering modules. • 20-25 final year student projects were supervised per year mainly on the areas of Computer Science & Engineering and Electrical & Electronic Engineering • Advisor of over 30 students per year. • Research was focused on the design of innovative reconfigurable computing systems for space.
	Dates	Sep 2004 - Dec 2007
	Employer Name	Frederick Institute of Technology, Nicosia & Limassol, Cyprus
	Occupation or position(s) held	Lecturer in Computer Science & Engineering Member of the Accreditation committee Member of the Erasmus committee Member of the Long Distance Learning committee
	Main activities and responsibilities	<ul style="list-style-type: none"> • Teaching load: 12 hours per week. • Designed from scratch and delivered >60 accredited modules and their laboratories. • Teaching was mainly on Computer Science & Engineering modules. • 20-25 final year student projects were supervised per year mainly on the areas of Computer Science & Engineering • Advisor of over 30 students per year. • Research was focused on the design of innovative reconfigurable computing systems for space.
	Dates	Apr 2002 – Aug 2004
	Employer Name	Lancaster University, UK
	Occupation or position(s) held	Research Associate in Communications Systems (Scale 1A)

Main activities and responsibilities	Designer of the ARIES system at Tromso, Norway. Duties included undergraduate & graduate teaching on Computing and Communications Systems modules, MSc projects supervision and lab supervision.
Dates	Oct 2001 – Mar 2002
Employer Name	Lancaster University, UK
Occupation or position(s) held	Communications Systems Designer
Main activities and responsibilities	Designer working on the project code SBA 7628, which is Operation of an Imaging Riometer for Space Studies at Kilpisjarvi, Finland.
Dates	Jun 1999 – Jun 2000
Employer Name	Electromech D & A Ltd., Leicester, UK
Occupation or position(s) held	R & D Computer Scientist
Main activities and responsibilities	Design of innovative reconfigurable products for the Railway industry. Assisted in the research and development of most of the company's new products.
Dates	Jun 1998 - Sep 1998
Employer Name	Telephone-Telecommunication Company of Greece (OTE)
Occupation or position(s) held	Trainee in Communications Systems
Main activities and responsibilities	Three months training program on commercial SDH, GSM communication systems, such as: Transceivers GTE 960ch + TV, Digital Transceivers ALCATEL 8Mbps, Digital Transceivers ALCATEL 30Mbps, Analogue Multiplex Systems VKM RFT-SIEMENS, Digital PCM Systems INTRACOM MD32, Transceivers TELLETRA 120ch
Dates	Jun 1997 - Sep 1997
Employer Name	Telephone-Telecommunication Company of Greece (OTE)
Occupation or position(s) held	Trainee in Communications Systems
Main activities and responsibilities	Three months training program on commercial SDH, GSM communication systems, such as: Transceivers GTE 960ch + TV, Digital Transceivers ALCATEL 8Mbps, Digital Transceivers ALCATEL 30Mbps, Analogue Multiplex Systems VKM RFT-SIEMENS, Digital PCM Systems INTRACOM MD32, Transceivers TELLETRA 120ch
Professional Organizations	<p>Founder and Chair of IEEE Aerospace & Electronic Systems Society (AESS), Cyprus</p> <p>NASA Jet Propulsion Laboratory (JPL) Task Group on Earth Observations (GEO)</p> <p>NASA JPL GEO System of Systems (GEOSS) Task Group</p> <p>Committee for Space Research (COSPAR)</p> <p>MIEEE No 80671478</p> <p>Aerospace and Electronic Systems Society, Communications Society, Geoscience and Remote Sensing Society, Nuclear and Plasma Sciences Society</p> <p>IEEE Council on Electronic Design Automation</p> <p>IEEE Systems Council</p> <p>IEEE Nanotechnology Council</p> <p>IEEE Sensors Council</p> <p>IEEE Nanotechnology Council</p> <p>IEEE SCC42 WG2040 (Standard for Connected, Automated and Intelligent Vehicles: Overview and Architecture Working Group)</p> <p>IEEE SCC42 WG2040.1 (Automated and Intelligent Vehicles: Definitions Working Group)</p> <p>IEEE SCC42 AG1 (Global Policy Advisory Group)</p> <p>IEEE Cloud Computing, Big Data, Software Defined Network Communities</p> <p>Lifetime Member SPIE No 3113582</p> <p>MIET No 37365467</p> <p>ABI Fellow</p> <p>RSGB No RS186717</p> <p>AUT No 73174</p> <p>ICES (International Computer Science and Engineering Society) No M15002</p>

Awards

2011 ABI Great Minds of the 21st Century Medal and Honorary Plaque for achievements in Space Electronics
 G. Dekoulis, N. Murphy, "Design and Evaluation of Novel Compact Helium Magnetometers and Magnetic Gradiometers for Earth and Planetary Science," NASA JPL Research Report, 2008.
 2008 SPIE Lifetime Membership for the work on Space Interferometers:
 G. Dekoulis, F. Honary, "Novel Reconfigurable Wide-Beam Radio Interferometer for Space Physics Instrumentation," SPIE Optical and Infrared Interferometry, Space, Vol. 7013, pp. 701358-1 – 701358-9, 2008.
 2002-2006 EPSRC (Engineering and Physical Sciences Research Council)
 Total Research Studentship **\$19,000** for work on Space Engineering projects.
 2002-2003 IET Hudswell International Research Scholarship of **\$7,000** for work done on embedded reconfigurable Space Engineering projects. This is the top scholarship that can be obtained from the largest in Europe engineering institute, IET, for funded by other organizations PhD research work.
 2001-2002 PPARC (Particle Physics and Astronomy Research Council)
 Research Studentship **\$4,000** for work done on Space Engineering projects
 EPSRC, IET, PPARC and Lancaster University evaluated, in all cases, the research work by means of research progress reports before allocating the funds.
 2000-2001 Nominated student representative of the Communications Engineering Department.
 2001 Highest exam marks throughout the four years of undergraduate study.

Professional Contribution
 (Sample list, not complete)

General Chair	Publications Chair / Track Chair	TPC	Book Editor / Journal Editor / Reviewer	Conference Reviewer	Workshops/ Forums	Seminars
4	12 / 13	414	17 / 10 / 730	464 conferences/ 2701 Tracks	5 / 1	2

General Chair IEEE Computing, Media and Engineering Innovations 2021 (IEEE CME 2021), 20-25 June 2021, Limassol, Cyprus
 IEEE Aerospace Engineering Innovations 2019 (IEEE AEI 2019), 20-23 April 2019, Limassol, Cyprus
 International Conference on Communications and Electronic Systems (MIC-CES2012), 21-23 December 2012, Nicosia, Cyprus
 International Conference on Communications, Networking and Information Technology (MIC-CNIT2012), 21-23 December 2012, Nicosia, Cyprus

Publications Chair IEEE CME 2021 (Computing, Media, Engineering)
 ICC20 (IoT, Big Data, Cloud Computing)
 BDAW'20 (Big Data & Advanced Wireless Technologies)
 SEAS 2020 (Applied Sciences, Smart Education)
 IEEE AEI 2019 (Aerospace and Electronic Systems)
 INAIT 2019 (Artificial Intelligence)
 IAPE 2019 (Applied Energy)
 CMST 2019 (Materials Science, Thermodynamic Systems, Aerospace)
 DISP 19 (Signal Processing, Embedded Systems, Electronics, Aerospace)
 TESA'19 (Aerospace Engineering)
 MIC-CES2012 (Communications and Electronic Systems)
 MIC-CNIT2012 (Communications, Networking and Information Technology)

Track Chair ICICS 2020 (Communications Systems and Signal Processing)
 ElectriTek 2020 (Communications Systems and Applications)
 ICC20 (IoT, Big Data, Cloud Computing)
 BDAW'20 (Big Data & Advanced Wireless Technologies)
 EngiTek 2020 (Communications Systems and Applications)
 ElectriTek 2019 (Communications Systems and Applications)
 EngiTek 2019 (Communications Systems and Applications)
 IEEE/RSJ Intelligent Robots and Systems IROS 2018 (Robotics, Computer Science)
 IEEE EmergiTech 2016 (Robotics and Cognitive Technologies, Neural Networks)

	<p>MIC-Telecom 2014 (Satellite Communication Systems) IEEE ICAST2012 (Communications Engineering) MIC-CES2012 (Satellite Communication Systems) MIC-CNIT2012 (Communications and Computer Networks)</p>
Technical Program Committee (TPC)	<p>IEEE ICCAIS'21 (Embedded Systems, Computer Science, Information Security) FEMRC-UOB'21 (Computer Science, IT) IEEE CICON 2020 (Computational Intelligence and Communication Networks) IEEE ICSGRC 2020 (Communications, Electronics, Computer Engineering, Remote Sensing) IEEE CSPA 2020 (Signal Processing) IEEE CSNT 2020 (Communication Systems and Network Technologies, Embedded Processing) IEEE SAI'20 (Applied Informatics, Embedded Systems) ISTA'20 (Intelligent Systems, AI, Machine Learning) SoMMA'20 (Machine Learning, Metaheuristics Algorithms) SAIN'20 (Embedded Systems, Informatics, Electronics, Aerospace) TAFGEN2020 (Telematics and Future Generation Networks) RES'20 (Renewable Energy and Sustainability) TESA'20 (Thermal Energy, Systems) BDAW'20 (Big Data, Wireless Technologies) SIRS'20 (Signal Processing and Intelligent Recognition Systems) ViCET 2020 (Computer Science, AI) IEEE ICSITech 2020 (Software Engineering, Mobile Computing, AI) CoCoNet'20 (Computing, Network Communications) CITEI 2020 (IoT, Embedded Intelligence) IEEE EECSI 2020 (Embedded Systems, Electronics, Aerospace) CoECET 2020 (Electronics, Computer Engineering, Technologies) ICED 2020 (Electronic Design) SCS'20 (Embedded Systems, Electronics, Aerospace) ADICS-ESIT 2020 (Computer Science, IT) SES'20 (Embedded Systems, Electronics, Smart Energy Systems) MechaniTek 2020 (Mechatronics, Robotics, Aeronautical Engineering) CESA'20 (Clean Energy, Systems and Smart Applications) NetCom 2020 (Communications, Networks) IEEE ICCAIS'20 (Embedded Systems, Computer Science, Information Security) CoRET 2020 (Computer Science, Networks, AI) FEMRC-UOB'20 (Computer Science, IT) IEEE ICoSSEET 2020 (Aerospace Electronics and Applications) IEEE APACE2019 (Antennae, Electromagnetics, Sensors, Aerospace, Space Electronics) IEEE Sensors 2019 (Sensors, Space Electronics, Sensor Materials) IEEE ICSPC2019 (Aerospace, Robotics/Mechatronics, Control, Digital Systems) IEEE MTTW'19 (Microwave Theory, Wireless Communications) IEEE IBITecC 2019 (Instrumentation, Electronics, Embedded Systems) IEEE SAI'19 (Applied Informatics, Embedded Systems) IEEE ICSyS2019 (Embedded NoC MPSoC, DSP, MEMS, NEMS, VLSI, RF & Communications) SoMMA'19 (Machine Learning, Metaheuristic Algorithms, AI) ICW-TELKOMNIKA 2019 (Telecommunication, Computing, Electronics, Control) ICiCoS 2019 (Informatics, Computational Sciences) ISETech 2019 (Emerging Technologies) EECSI 2019 (Embedded Systems, Electronics, Aerospace) SAIN'19 (Embedded Systems, Electronics, Aerospace) ISTA'19 (Embedded Systems, Electronics, Aerospace) ICSITech 2019 (Software Engineering, Mobile Computing, AI) CoCoNet'19 (Computing, Network Communications) SETCAC'19 (Computing, Network Communications) ICTEC 2019 (Telecommunication, Electronic and Computer Engineering) IEEE ICEED 2019 (Embedded Systems, Electronics, Aerospace) IEEE ICIP 2019 (Image Processing) IEEE ICSGRC 2019 (Control Systems) IEEE ICEECC 2019 (Computer Science & Engineering, Communications, Mechatronic) IEEE ICSET 2019 (Communications, Electronics, Embedded Systems, Computer Engineering) ISEE 2019 (Embedded Systems, Electronics, Aerospace) SIRS'19 (Signal Processing and Intelligent Recognition Systems) 3ICT'19 (Embedded Systems, Electronics, Aerospace) TESA'19 (Aerospace)</p>

IEMECON 2019 (Embedded Systems, Electronics, Aerospace)
ICOMITEE 2019 (Embedded Systems, Electronics, Aerospace)
MobiApps 2019 (Mobile Applications)
IEEE AIBEC'2019 (Embedded Systems, Electronics, Aerospace)
IEEE CSPA 2019 (Signal Processing)
IEEE ISCAIE 2019 (Computer Applications & Industrial Electronics)
IEEE MENACOMM'19 (Embedded Systems, Electronics, Aerospace)
IEEE CLAWAR 2019 (Embedded Systems, Electronics, Aerospace)
CISA-2019 (Embedded Systems, Computational Intelligence, AI, Big Data)
ICFV'19 (Embedded Systems, Electronics, Aerospace)
ICACCP-2019 (Embedded Systems, Electronics, Aerospace)
ISCMM-2019 (Embedded Systems, Electronics, Aerospace)
SCS19 (Embedded Systems, Electronics, Aerospace)
UNAGI'19 (Unmanned Aerial Vehicles)
ICACCP 2019 (Embedded Systems, Electronics, Aerospace)
ICORIS 2019 (Cybernetics and Intelligent Systems)
ANT-2019 (Artificial Intelligence)
ICEECE'2019 (Electrical, Electronic and Computer Engineering)
IEEE ICACCP-2019 (Embedded Systems, Electronics, Aerospace)
IEEE-GCCCE 2019 (Embedded Systems, Electronics, Aerospace)
DISP 19 (Signal Processing, Embedded Systems, Electronics, Aerospace)
ICCAIS'19 (Embedded Systems, Electronics, Aerospace)
ICFIR2019 (Embedded Systems, Electronics, Aerospace)
VisionNet 2019 (Computer Vision and the Internet)
SES'19 (Embedded Systems, Electronics, Aerospace)
CMST 2019 (Materials Science, Thermodynamic Systems, Aerospace)
INAIT 2019 (Artificial Intelligence)
ICMSAO'19 (Modeling, Simulation, and Applied Optimization)
SRC'18 (Embedded Systems, Electronics, Aerospace)
ICITISEE 2018 (Embedded Systems, Electronics, Aerospace)
INDICON 2018 (Embedded Systems, Electronics, Aerospace)
IEEE RFM 2018 (RF and Microwave)
IEEE ICSPC2018 (Aerospace, Robotics/Mechatronics, Control, Digital Systems)
ICEECC2018 (Embedded Systems, Electronics, Aerospace)
IEEE APPEEC 2018 (Power and Energy Engineering)
IEEE ISCAIE 2018 (Computer Applications & Industrial Electronics)
ICEED2018 (Embedded Systems, Electronics, Aerospace)
ICITeS'2018 (Embedded Systems, Electronics, Aerospace)
ICW-TELKOMNIKA 2018 (Telecommunication, Computing, Electronics, Control)
IEEE ICCSP18 2018 (Embedded Systems, Electronics, Aerospace)
IEEE ICCISN' 2018 (Embedded Systems, Mechatronics, Aerospace)
ICET 2018 (Embedded Systems, Electronics, Aerospace)
APPEMSE'2018 (Embedded Systems, Electronics, Aerospace)
SYMINTECH'2018 (Embedded Systems, Electronics, Aerospace)
IEEE MobiApps 2018 (Mobile Applications)
ICERIA 2018 (Embedded Systems, Electronics, Aerospace)
CISA-2018 (Embedded Systems, Electronics, Aerospace)
ARAMSE'2018 (Embedded Systems, Electronics, Aerospace)
ISTMET'2018 (Embedded Systems, Mechatronics, Aerospace)
EECSI 2018 (Embedded Systems, Electronics, Aerospace)
SCCCS'18 (Embedded Systems, Electronics, Aerospace)
EIconCIT 2018 (Embedded Systems, Electronics, Aerospace)
CMST 2018 (Materials Science, Thermodynamic Systems, Aerospace)
3ICT'18 (Embedded Systems, Electronics, Aerospace)
RICCES'2018 (Computer Engineering and Computer Sciences)
BIMSS'2018 (Embedded Systems, Electronics, Aerospace)
IEEE MobiWIS 2018 (Mobile Web and Intelligent Information Systems)
PIECT'2018 (Electronics Engineering, Computer Engineering and IT)
ICSITech 2018 (Embedded Systems, Electronics, Aerospace)
SCS-NCC'2018 (Embedded Systems, Electronics, Aerospace)
RTUWO'17 (Wireless and Optical Communications)
CICN 2018 (Embedded Systems, Electronics, Aerospace)
VisionNet 2018 (Computer Vision and the Internet)
SAI 2018 (Applied Informatics, Embedded Systems, Electronics)

ISI 2018 (Intelligent Informatics, Embedded Systems, Electronics)
 TAFGEN2018 (Telematics and Future Generation Networks)
 SCS'18 (Smart cities)
 ISTA-2018 (Intelligent Systems)
 ICOCOE'2018 (Communications and Computer Engineering)
 SIRS-2018 (Signal Processing and Intelligent Recognition Systems)
 I2BM'2018 (Information in Business and Technology)
 ICACCI 2018 (Computing, Communications and Informatics)
 ICED 2018 (Electronic Design)
 CICN 2018 (wireless networking and computing)
 ANT 2018 (Systems, Networks and Technologies)
 SYSSARM'2018 (Embedded Systems, Electronics, Aerospace)
 I4CT'2018 (Computer, Communication and Control Technology)
 AVAREIT'2018 (Electronic Engineering, Information Systems)
 WOMRAC'2018 (Embedded Systems, Electronics, Aerospace)
 PHILOTIS'2018 (Embedded Systems, Electronics, Aerospace)
 SISTECH'2018 (Embedded Systems, Electronics, Aerospace)
 WORCAS'2018 (Circuits and Systems)
 IEEE ICACDS 2018 (Embedded Systems, Electronics, Aerospace)
 ICEL3S 2018 (Embedded Systems, Electronics, Aerospace)
 IEEE ICSPC 2017 (Systems, Process and Control)
 IEEE SCORed 2017 (Embedded Systems, Electronics, Aerospace)
 RTUWO'17 (Wireless and Optical Communications)
 ICoESE 2017 (Artificial Intelligence, Embedded Systems, Electronics)
 INCOMar 2017 (Embedded Systems, Electronics, Aerospace)
 IINTEC'17 (Internet of Things, Embedded Systems and Communications)
 IEEE IJCEE 2017 (Aerospace, Embedded Systems)
 IEEE COMPSAC 2017 (Embedded Systems, Aerospace)
 4th IEEE ICIP (Aerospace, Embedded Systems)
 IEEE ICECC 2017 (Electrical, Electronic, Communication and Control Engineering)
 ICITech 2017 (Electronics, Information Systems)
 IEEE DSAT 2017 (Embedded Systems, Aerospace)
 IEEE IEACon 2017 (Aerospace, Mechatronics, Robotics, Communications)
 IEEE ARIEET'2017 (Aerospace, Antennae, Communications, Robotics, Mechatronics, Electrical)
 IEEE ICACCI-2017 (Embedded Systems, Aerospace, Communications)
 IEEE ISI'17 (Aerospace, Embedded Systems)
 IEEE ISWTA2017 (Aerospace, RF/Microwave Circuits, Power Circuits, Embedded Systems)
 IEEE DPNOC'17 (Embedded Systems, FPGAs, High Performance)
 IEEE ICTEC 2017 (Aerospace, Communications, Electronic and Computer Engineering)
 IEEE EECSI 2017 (Aerospace, Embedded Systems)
 IEEE SAI'17 (Aerospace, Embedded Systems)
 IEEE SET-CAS'17 (Aerospace, Embedded Systems, Electronics)
 IEEE MUCET 2017 (Embedded Systems, Electronics, Electrical, Aerospace)
 IEEE AREITIC'2017 (Aerospace Engineering, Sensors, Mechatronics, Embedded Systems)
 IEEE APMC2017 (Aerospace, Embedded Systems, Communications)
 IEEE ICOCOE'2017 (Aerospace, Embedded Systems)
 IEEE ICEESI 2017 (Aerospace, Embedded Systems, Electronics)
 IEEE RESEECs'2017 (Aerospace, Embedded Systems, Electronics)
 IEEE MobiApps 2017 (Mobile Applications, Embedded Processing)
 IEEE CICN 2017 (Embedded Systems, Aerospace)
 IEEE ISCIA2017 (Aerospace, Embedded Systems, Electronics)
 IEEE PrimeAsia2017 (Aerospace, Embedded Systems, Electronics)
 IEEE ICCAT 2017 (Robotics, Mechatronics, Embedded Systems)
 IEEE RENCES'2017 (Robotics, Mechatronics, Embedded Systems)
 IEEE ISAPE'2017 (Aerospace, Aerodynamics, Astrodynamics, Space Physics)
 IEEE CNTIA'2017 (Aerospace, UAVs, Mechatronics, Robotics)
 IEEE INTERBECK'2017 (Aerospace, Aviation Management, Crew Resources Management)
 IEEE ICEESI 2017 (Embedded Systems, Communications, Cyber Physical Networks)
 IEEE AR4MET'2017 (Aerospace, Mechatronics, Industrial Power Electronics, Embedded Systems)
 IEEE RICCES'2017 (Aerospace, Embedded Systems, Electronics, Communications)
 IEEE VisionNet-2017 (Computer Networks, Embedded Systems)
 IEEE AsiaSim 2017 (Aerospace, Embedded Systems)
 IEEE PICT'2017 (Embedded Systems, Aerospace, Electronics, Computer Eng)
 IEEE ISTA 2017 (Aerospace, Embedded Systems)

IEEE ACN'17 (Embedded Systems, Communications, Computer Networks)
 IEEE APPEMSE'2017 (Aerospace, Embedded Systems, Computer Architecture, VLSI)
 IEEE ICCVIA' 2017 (Embedded Systems for Computer Vision & Image Processing)
 IEEE SYMINTECH'2017 (High-Performance Computing, Software Engineering)
 IEEE WSCAR 2017 (Computer Applications, Embedded Systems, Robotics)
 IEEE ICCMA' 2017 (Medical Embedded Systems, Medical Robotics, Machine Vision in Robotics)
 IEEE ICAI' 2017 (Aerospace, Artificial Intelligence, Neural Networks, Machine Learning)
 IEEE ICCTA' 2017 (Parallel Processing, Computer Architecture, VLSI, Programming Languages)
 IEEE ICSPRS' 2017 (Aerospace, Signal Processing, Radars, 3D Imaging, Sonar Processing)
 IEEE ICMWC' 2017 (Space Communications, Embedded Processing, Visualization)
 IEEE ICCSN' 2017 (Cloud Computing and Secure Networking, Grid Computing)
 IEEE ICMTIS' 2017 (Mobile Technology and Innovative Systems, Embedded Processing)
 IEEE ICIIS' 2017 (Information & Intelligent Systems, Data Mining, Databases, Software Design)
 ICCMREA' 2017 (Aerospace, Materials, Mechanical Engineering)
 SIRS-2017 (Mechatronics, Robotics, Signal Processing)
 CS-HSC'17 (Embedded Systems, Cloud)
 SCCCS-17 (Embedded Systems, Cloud)
 SOCSIC'2017 (Embedded Systems, Communications)
 BICODIC'2017 (Embedded Systems, Business, Marketing)
 ARAMSE'2017 (Applied Engineering Mathematics Applications, Aerospace)
 ARBUHUM'2017 (Embedded Business Systems, Network Security, Anti-Terror Systems)
 ICOED'2017 (Embedded Systems, Communications)
 I2BM'2017 (Embedded Business Systems)
 IEEE GAMEPEC'2017 (Game Physics, Mechanics, Fluids, Kinematics)
 SOSHUM'2017 (Embedded Systems, Communications)
 ABESS'2017 (Embedded Systems, Education)
 BIMSS'2017 (Embedded Systems, Education)
 BIZMATOUR'2017 (Embedded Systems, Aerospace)
 SAVTEK 2016 (Security and Defense, Aerospace, Space, Military Systems)
 IEEE ICITeS' 2016 (Embedded Systems, Space, Aerospace, Remote Sensing)
 IEEE ICSPC2016 (Aerospace, Robotics/Mechatronics, Control, Digital Systems)
 IEEE ICACCI-2016 (Space Engineering, Sensors, Embedded Systems, Remote Sensing)
 IEEE I4CT'2016 (Aerospace Engineering, Embedded Systems, Communications, Control)
 COSPAR 2016 (Space Physics, Space Exploration, Aerospace)
 IEEE AR4MET'2016 (Aerospace Engineering, Embedded Systems, Control)
 IEEE ICPEICES 2016 (Aerospace, Control, Embedded Systems, Power Systems)
 IEEE CSPA2016 (Aerospace, Sensors, Artificial Intelligence, Robotics, Control)
 IEEE ICCVIA' 2016 (Embedded Systems, Mechatronics, Robotics, Sensors, Vision)
 IEEE APACE2016 (Antennae, Electromagnetics, Sensors, Aerospace, Space Electronics)
 IEEE APPEMSE'2016 (Aerospace, Embedded Systems, Computer Architecture, VLSI)
 IEEE ICMTIS' 2016 (Mobile Technology and Innovative Systems, Embedded Processing)
 IEEE VisionNet-2016 (Aerospace, Signal Processing, Computer Networks, Embedded Systems)
 IEEE ICIIS' 2016 (Information & Intelligent Systems, Data Mining, Databases, Software Design)
 IEEE ICCSN' 2016 (Cloud Computing and Secure Networking, Grid Computing)
 IEEE ICMWC' 2016 (Space Communications, Embedded Processing, Visualization)
 IEEE ICSPRS' 2016 (Aerospace, Signal Processing, Radars, 3D Imaging, Sonar Processing)
 IEEE ICCTA' 2016 (Parallel Processing, Computer Architecture, VLSI, Programming Languages)
 IEEE ICAI' 2016 (Aerospace, Artificial Intelligence, Neural Networks, Machine Learning)
 IEEE ICCMA' 2016 (Medical Embedded Systems, Medical Robotics, Machine Vision in Robotics)
 IEEE WSCAR 2016 (Computer Applications, Embedded Systems, Robotics)
 IEEE MAROCENET'2016 (Marine, Ocean & Environmental Engineering)
 IEEE BEMSAHIC'2016 (Aerospace Applications)
 IEEE WSMEAP' 2016 (Embedded Mechatronics, Sensors, Aerospace, Micro Nano Engineering)
 IEEE I2BM 2016 (Aerospace, Embedded Systems, Communications Systems)
 IEEE AREITIC'2016 (Aerospace Engineering, Sensors, Mechatronics, Embedded Systems)
 IEEE MALSIP'2016 (Machine Learning, Signal Processing, Aerospace, Embedded Systems)
 IEEE GCC 2016 (Embedded Systems, Aerospace)
 IEEE COMSIT'2016 (Embedded Systems, Electronics, Materials, IoT, Parallel Processing)
 IEEE CISA 2016 (Embedded Systems, Electronics)
 IEEE INCULT'2016 (Embedded Systems, Engineering Technologies)
 IEEE ICED'16 (Electronic Systems Design, Embedded Systems)
 IEEE ISTMET 2016 (Emerging Electronic Engineering, Power Electronics, Embedded Systems)
 IEEE ARECAS 2016 (Embedded Systems, Circuits, Aerospace)
 IEEE ICEECC 2016 (Embedded Systems, Aerospace)

IEEE SCIEMATHIC'2016 (Engineering Mathematics, Electronics)
 IEEE ISI 2016 (Aerospace, Embedded Systems)
 IEEE ISTA 2016 (Aerospace, Embedded Systems)
 IEEE ARIEET'2016 (Antennae, Communications, Robotics, Mechatronics, Electrical)
 IEEE ISET2016 (Aerospace, Embedded Systems)
 IEEE BIMASA'2016 (Embedded Systems)
 IEEE SAI 2016 (Aerospace, Embedded Systems)
 IEEE BEMSAHIC 2016 (Aerospace, Embedded Systems)
 IEEE ETMCS 2016 (Aerospace, Embedded Systems)
 IEEE PROCSIT 2016 (Embedded Systems, Communications)
 IEEE AVAREIT 2016 (Embedded Systems, Electronics, Communications)
 IEEE SYSSARM 2016 (Embedded Systems, Communications, Aerospace)
 IEEE GIIS2016 (Embedded Systems, Remote Sensing, Aerospace)
 IEEE CICN 2016 (Embedded Systems, Aerospace)
 IEEE PIAMSE'2016 (Computer and Electrical Engineering, Geosciences, Mechatronics, DSP)
 IEEE MCAM'16 (Embedded Systems, Aerospace)
 IEEE DPNoc 2016 (Embedded Systems, FPGAs, High Performance)
 IEEE WoTBD 2016 (Embedded Processing, Software Engineering)
 IEEE ICoSSET 2016 (Electrical Engineering, Industrial Electronics & Management)
 IEEE SET-CAS'16 (Circuits and Systems, Power Electronics)
 IEEE GSCIT' 2016 (Embedded Computing & Information Technology)
 IEEE ICTS2016 (Embedded Systems, Aerospace)
 IEEE ICoSSEET 2016 (Aerospace Electronics and Applications)
 IEEE ISYSM'2016 (Embedded Systems, Electronics)
 IEEE MobiApps 2016 (Mobile Applications, Embedded Processing)
 IEEE ARONCAS'2016 (Embedded Systems, Circuits, Systems, Aerospace)
 IEEE EDUSTS'16 (Embedded Systems, Communications)
 BIZMATOUR'16 (Embedded Systems, Aerospace)
 HERBSTEM 21016 (Embedded Systems)
 BEAMIC'2016 (Embedded Systems, Communications)
 ARBUHUM'2016 (Embedded Business Systems, Network Security, Anti-Terror Systems)
 ADIBUM'2016 (Embedded Systems, Aerospace Engineering)
 ICCDMTA 2016 (Embedded Systems)
 SOCSIC'2016 (Embedded Systems, Communications)
 ICARCAD 2016 (Embedded Systems, Sustainability)
 ENVICET'16 (Embedded Systems)
 PHILOTIS'2016 (Engineering in Education)
 IEEE ISSPIT- 2015 (Embedded Signal Processing, Information Technology)
 IEEE CASEV 2015 (Embedded Systems & VLSI)
 IEEE SENSORS 2015 (Sensor/Actuator Systems, Sensor Networks, Magnetic Sensors, Special)
 IEEE ESRA'15 (Embedded Systems, Robotics, Automation)
 IEEE MALSIP'2015 (Communications Systems, Signal Processing)
 IEEE RAIEIC2015 (Aerospace, Electrical & Electronics Engineering, Informatics)
 IEEE CNTIA'2015 (Aerospace, Embedded Control Systems)
 IEEE ICTEC 2015 (Telecommunication, Electronic and Computer Engineering)
 IEEE ICSGRC2015 (Communications, Embedded Processing, Remote Sensing, Power Systems)
 IEEE ICSET 2015 (Communications, Electronics, Embedded Systems, Computer Engineering)
 IEEE ICSPDM' 2015 (Digital Signal Processing, Embedded Systems, Electrical Engineering)
 IEEE ICCAT' 2015 (Computer Applications & Technology)
 IEEE ICEMIT2015 (Industrial Technologies, ASICs, VLSI, Embedded Systems)
 IEEE WSMEAP' 2015 (Embedded Mechatronics, Sensors, Aerospace, Micro Nano Engineering)
 IEEE ICME'2015 (Wireless Mechatronics, Aerospace, Marine Power Electronics, Materials)
 IEEE ICME'15 (Materials, Solid State Physics, Astrophysics & Plasma Physics, Quantum Physics)
 IEEE AR2BIO2015 (Biotechnologies, Renewable Sources, Embedded Processing)
 IEEE INDICON 2015 (Communications, Electrical & Computer Engineering, Power Electronics)
 IEEE ICSyS2015 (Embedded NoC MPSoC, DSP, MEMS, NEMS, VLSI, RF & Communications)
 IEEE AR4MET'2015 (Aerospace, Mechatronics, Industrial Power Electronics, Embedded Systems)
 IEEE TAFGEN2015 (Future Generation Networks, Space Communications Systems)
 IEEE PIAMSE'2015 (Computer and Electrical Engineering, Geosciences, Mechatronics, DSP)
 IEEE ENCINS' 2015 (Electrical & Electronic Engineering, Bioengineering, Earth Sciences)
 IEEE I4CT'2015 (Communications, Computer Engineering, Embedded Systems, Control)
 IEEE eQeSS 2015 (Software Engineering, Embedded Systems, Project Management)
 IEEE MAROCENET'2015 (Renewable Energy, Marine and Ocean Engineering, Sustainability)
 IEEE ISTMET 2015 (Emerging Electronic Engineering, Power Electronics, Embedded Systems)

IEEE ICIIS' 2015 (Information & Intelligent Systems, Data Mining, Databases, Software Design)
 IEEE ICSPRS' 2015 (Signal & Image Processing, Radars, 3D Imaging, Sonar Processing)
 IEEE ICCTA' 2015 (Parallel Processing, Computer Architecture, VLSI, Programming Languages)
 IEEE ICAI' 2015 (Artificial Intelligence, Fuzzy Logic, Neural Networks, Machine Learning)
 IEEE WSCAR' 2015 (Computer Engineering, Embedded Systems, Mechatronics)
 IEEE ICCMA' 2015 (Medical Embedded Systems, Medical Robotics, Machine Vision in Robotics)
 IEEE ICMWC' 2015 (Multimedia and Wireless Communications, 3DTV, Virtual Reality, Graphics)
 IEEE ICCSN' 2015 (Cloud Computing and Secure Networking, Grid Computing)
 IEEE ICMTIS' 2015 (Mobile Technology and Innovative Systems, Embedded Processing)
 IEEE DPNOC 2015 (Embedded Systems, Networks on Chips)
 IEEE CSNT 2015 (Communication Systems and Network Technologies, Embedded Processing)
 IEEE ICCME-2015 (Embedded Mechatronics, Control, Bio, Micro, Nano engineering)
 IEEE SET-CAS'15 (Circuits and Systems, Power Electronics)
 IEEE VisionNet-2015 (Computer Networks, Embedded Systems)
 IEEE MobiApps 2015 (Mobile Applications, Embedded Processing)
 IEEE ADMMET'2015 (Aerospace, Embedded Mechatronics, Smart Sensors, Laser Processing)
 IEEE ICSOEB' 2015 (Sustainability, Renewable Energy, Intelligent Systems, Embedded Systems)
 IEEE ICCAAM' 2015 (Aerospace, Control Systems, Powerplant, Communications)
 IEEE PIAMSE'2015 (Engineering Modelling, Energy Aware Design, Renewable Systems)
 IEEE ICCVIA' 2015 (Embedded Systems for Computer Vision & Image Processing)
 IEEE ICCAAD' 2015 (Embedded Computer Applications & Aided Diagnosis)
 IEEE ICSyS2015 (Aerospace, Embedded Systems, Circuits & Systems, Power Electronics)
 IEEE SYSSARM'2015 (Aerospace, Communications, Embedded Processing)
 IEEE GSCIT' 2015 (Embedded Computing & Information Technology)
 IEEE ICEELI'2015 (Education & eLearning Innovations)
 IEEE ICCVPR' 2015 (Embedded Systems for Computer Vision and Pattern Recognition)
 IEEE GAMEPEC 2015 (Internet/Wireless Embedded Multicore Processing, Cloud Computing)
 IEEE ICCCC'2015 (Cloud Computing, Embedded Software/Hardware Implementation)
 IEEE ICCTIA'2015 (Embedded Computing & Applications, Wireless Embedded Systems)
 IEEE CGVIS 2015 (Embedded Processing, Software)
 IEEE WoTBD 2015 (Embedded Processing, Software Engineering)
 IEEE DPNoS-1 2015(Embedded Processing for Internet Applications, SoC, Software Engineering)
 IEEE InCIEC2015 (Space Physics, Embedded Systems, Sustainability, Radars, GPS, GIS)
 IEEE MobiApps-15 (Embedded Processing for Mobile Applications)
 ENVICET'15 (Aerospace, Embedded Processing)
 IEEE MobiWIS 2015 (Embedded Processing for Mobile Web and Intelligent Systems)
 IEEE FiCloud 2015 (Embedded Processing for Cloud Computing)
 IEEE OBD 2015 (Aerospace, Embedded Processing)
 IEEE ARIEET'15 (Space Systems, Control, Sustainability, Power Electronics, Circuits)
 ISySM'2015 (Space Navigation Mathematics, Space Physics, Space Plasma Chemistry)
 IEEE ICEPIT 2014 (Networks, Embedded Processing)
 IEEE EECSI 2014 (Aerospace, Electrical Engineering, Power Electronics, Computer Science)
 IEEE APACE 2014 (Embedded Processing, Sensors, Antennas, Wireless, Mobile, Space)
 IEEE ICED'14 (Aerospace, Electronic Systems Design, Embedded Systems)
 IEEE IBMSGs' 2014 (Embedded Processing in Bio-Metrics & Smart Government)
 IEEE ICSPCT 2014 (Signal Propagation, Embedded Computing, Electrical Engineering)
 IEEE ICNC 2014 (Micro and Nano Technologies in Electrical and Electronic Engineering)
 IEEE ICoSSET 2014 (Electrical Engineering, Industrial Electronics & Management)
 MIC-Electrical 2014 (Industrial Power Electronics, Smart Grid, Sustainability, Embedded Systems)
 IEEE ISCI 2013 (Electrical & Computer Engineering, Embedded Signal & Image Processing)
 IEEE BEIAC 2013 (Embedded Systems & Applications, Electrical Engineering)
 IEEE ISWTA2013 (Antenna, RF/Microwave Circuits, Power Circuits, Embedded Systems)
 IEEE CHUSER 2013 (Embedded Systems, Electrical Engineering, Power Electronics)
 IEEE ISBEIA 2013 (Space Engineering, Embedded Satellite Communications, UAVs, GIS)
 IEEE ICIIP 2013 (Embedded Parallel Processing, Embedded Image and Video Processing)
 MIC-CSP2013 (Communication Systems, Embedded Systems)
 IEEE ISIEA 2012 (Remote Sensing & GIS, UAVs, VLSI, Computer Engineering, SCS)
 IEEE ISBEIA 2012 (CS, SCS, Embedded Processing, UAVs, Space, Electrical Engineering)
 IEEE APACE 2012 (Sensors, Power Circuits, Electromagnetics, Electrical Engineering)
 MIC-CNIT2012 (Space Communication Systems, Embedded Processing)
 IEEE ISWTA2012 (Embedded Communications, Aerospace, Antennas & Propagation, RF Devices)
 IEEE ICEDSA 2012 (Embedded Systems, FPGAs, SatComs, Memristor/Memristive Systems)
 IEEE CHUSER 2012 (Electrical & Computer Engineering, Embedded Systems)
 MIC-CES2011 (Satellite Communication Systems, Electrical Engineering, Embedded Processing)

	MIC-CNIT2011 (Electrical Engineering, Digital Communication Systems, Embedded Processing) Etc.
Encyclopedia Editorial Board	Enciclopedia Italiana Treccani, Roma, Italia
Journal Editorial Board	<p>Springer Nature Applied Sciences (SNAS), Editor in 14 Topical Collections</p> <ul style="list-style-type: none"> - Remote Sensing: Geoscience and Space - Military Engineering: Management, Combat, Security and Defense, Remote Sensing, Applications - Aerospace Engineering: Design, Dynamics, Propulsion, Performance, Systems and Flight - Chemical Engineering: Materials, Biochemistry, Fuels, Energy - Mechanical Engineering: Design, Computational, Applications - Electromagnetics: Antennas, Sensors, Fields, Waves, Numerical Techniques, EMC - Communications Systems: Transceivers, Radars, SDR, Networking, Telecommunications, Broadcasting - Energy, Power and Industrial Applications - Artificial Intelligence - Machine Learning - Digital Image Processing - Signal Processing - Computer Engineering: Hardware Design, Software Programming, Applications - Electrical & Electronics Engineering: Circuits, Devices, Control, Machines, Drives <p>MDPI - Energies: Renewable Energy Systems Based on Internet of Things</p> <p>IAES International Journal of Artificial Intelligence (IJ-AI) International Journal of Multidisciplinary in Cryptology and Information Security (IJMCIS) International Journal of Computing and Digital Systems (IJCDS) Journal of Conservation and Museum Studies</p>
Journal Reviewer	<p>IEEE Transactions on Aerospace and Electronic Systems Elsevier Advances in Space Research Elsevier Life Sciences in Space Research Elsevier Journal of Computers and Electrical Engineering Elsevier Journal of Information Systems Elsevier Journal of Engineering Applications of Artificial Intelligence Advanced Engineering Forum IAES International Journal of Artificial Intelligence (IJ-AI) IAES International Journal of Robotics and Automation (IJRA) Bulletin of Electrical Engineering and Informatics (BEEI) International Journal of Computing and Digital Systems (IJCDS) V3, V5, V6 International Journal of Reconfigurable and Embedded Systems (IJRES) Telecommunication, Computing, Electronics and Control Journal (TELCOMNIKA) International Journal of Research in Wireless Networks (IJRWS) International Journal of Power Electronics and Drive Systems (IJPEDS) Special Issues on Engineering (SPIENG'2017) Advanced Science Letters ARNP Journal of Engineering and Applied Sciences ICSES Journal on Computer Networks and Communications ICSES Journal on Evolutionary and Metaheuristic Algorithms International Journal of Advances in Soft Computing and Its Application (IJASCA) Journal of Information Systems International Journal of Electrical Engineering and Informatics (IJEEI) Journal of Engineering Applications of Artificial Intelligence International Journal of Simulation: Systems, Science & Technology (IJSST) Jurnal Teknologi (Q3 SCOPUS) Special Issue of DPNoS 2015 Special Issue of MobiApps 2015 Special Issue of ISySM'2015</p>
Sample Conference Paper Reviewing	<p>IEEE ICTEFAD 2014 (Embedded Processing, Environmental Systems, Sustainability) MIC-WCMC 2013 (Electrical Engineering, Wireless Communications, Embedded Processing) MIC-CPE2012 (Microwave Antennas and Propagation, Communication Circuits and Sub-systems), IEEE ICAST2011 (Satellite Communication Systems) MIC-SMD2012 (Electrical Engineering, Modelling & Simulation, Embedded Processing)</p>

MIC-CSC2011 (Communications, Signals and Coding, Embedded Processing)
 MIC-CES2011 (Consumer Communications and Electronics),
 MIC-CNIT2011 (Multimedia Communications, Communication Systems, Communications and Computer Networks, Online Learning and Education)
 MIC-CAI2011 (Artificial Intelligence and Neural Networks)
 MIC-BEN2011 (Embedded Processing, Biomedical Engineering, Electronics and Nanotechnology)
 MIC-CCA2011 (Communication Systems, Computer Networks, Embedded Systems)
 IEEE ICAST09 (Satellite Communication Systems)
 LAPC09 (Antennas)
 CEAS2009 (Space Engineering, Aerospace Engineering, Embedded Processing)
 LAPC06 (Antennas)
 AEMASOM04 (Space Engineering, Aerospace Engineering, Embedded Systems)
 ISCTA03 (Communication Systems, Embedded Systems)
 Etc.

Forums G. Dekoulis, "Legal Issues, Cybersecurity and Policymakers' Implication in AI Robotics", IEEE/RSJ Intelligent Robots and Systems IROS 2018, 1-5 October, Madrid, Spain.

Workshops 1st IRW04 (Embedded Processing in Imaging Riometers)
 PPARC STP04 (Solar Terrestrial Physics)
 SAMNET03 (Embedded Processing in Magnetometry)
 IRIS02 (Embedded Processing in Imaging Riometers)
 HF Task Group 2002 (Embedded Processing in Ionospheric Studies & HF Communications)

Seminars Securing Computer Science Investments through Tender & Contract Management, 2012.
 ErgoCAD, BIM, 3D Rendering, Structural Analysis, Constructions, Limassol, 10/12/2019

Sample Research Projects
(Sample list, not recently updated)

Participated in over 20 major projects with research budget > \$10M.

Total funding as received by the host organizations Lancaster University (LU), Frederick Research Centre (FRC) and Electromech Ltd. Funding agencies: European Union (EU), Particle Physics and Astronomy Research Council (PPARC) and Research Promotion Foundation (RPF).

Duration, Funding Ag. and Funding 8/2012 - 8/2015: RPF, Host FRC, Total Funding: **\$170,000**
 Title Ionospheric Forecasting Service for the Cyprus National Guard
 Role and Contribution Personal load: 40%. Design of reconfigurable electronic systems.

Duration, Funding Ag. and Funding 2013 – 2015: EU. Host: Skylight In, Athens, Greece
 Title Energy Harvesting for Sustainable Design
 Role and Contribution Hardware systems design for Sustainability.

Duration, Funding Ag. and Funding 1/2012 - 1/2014 RPF. Host: FRC, Total Funding: **\$27,000**
 Title Disturbed Ionospheric and Geomagnetic Conditions under the Influence of Solar Activity
 Role and Contribution Personal load: 42%. Design of reconfigurable communications systems.

Duration, Funding Ag. and Funding 2011 - 2013: EU. Host: Aegean Eco Lights, Athens, Greece
 Title Wireless Systems Designs for Intelligent Lighting
 Role and Contribution Embedded systems programming for Sustainability.

Duration, Funding Ag. and Funding 2007 - 2011: PPARC, ESA, CSA. Host: LU. Total funding: **\$370,000**
 Title Multipoint Measurements of Magnetospheric Substorms
 Role and Contribution Partners: **NASA, Jet Propulsion Laboratory (JPL)**, European Space Agency (**ESA**), Canadian Space Centre (**CSA**) and **NORSTAR**. Responsible for the development of reconfigurable hardware prototypes for Space. The project coupled **NASA's THEMIS** and **ARTEMIS** missions. The results have been applied into **Security & Defense** and **Remote Sensing**.

Duration, Funding Ag. and Funding	11/2007 - 11/2011 RPF. Host: FRC. Total funding: \$13,000
Title	Ionospheric Weather Monitoring
Role and Contribution	Personal load: 40%. Design of embedded reconfigurable systems.
Duration, Funding Ag. and Funding	10/2006 - 10/2010: RPF. Host: FRC. Total funding: \$250,000
Title	Digital Ionospheric Sounder-Ionosonde
Role and Contribution	Personal load: 39%. Design of a reconfigurable system for secure communications for the Cypriot National Guard.
Duration, Funding Ag. and Funding	2007 - 2009: NASA . Host: Jet Propulsion Laboratory (JPL)
Title	New Systems Designs for Validating the JPL Scalar Helium Magnetometer for the Juno Mission
Role and Contribution	Prepared research proposals for 3 projects for Space Exploration : <ul style="list-style-type: none"> • Validate and further explore the performance of the JPL Scalar Helium Magnetometer for the Juno mission to Jupiter in 2011. • Novel Low-power diode laser Vector Helium Space Magnetometer. • Novel Laser Scalar Helium Space Magnetometer/Gradiometer. The work acted as a pathfinder for future high-resolution Magnetometer/Gradiometer Planetary Exploration missions.
Duration, Funding Ag. and Funding	2005 - 2008: RPF. Host: FRC. Total funding: \$180,000
Title	DDM-CMP: Data-Driven Multithreading on a Chip Multiprocessor – Development and Implementation
Role and Contribution	Personal load: 40%. Design of reconfigurable systems for Computer Engineering Applications.
Duration, Funding Ag. and Funding	2004 - 2006: FRC. Host: FRC. Total funding: \$11,000
Title	Optimal Cache Management Policies for Symmetric Multi-processors (SMP) and Chip Multiprocessors (CMP) using Data Driven Prefetching Techniques
Role and Contribution	Personal load: 40%. Design of reconfigurable systems for Computer Engineering Applications.
Duration, Funding Ag. and Funding	2004 – 2008: PPARC. Host: LU. Total funding: \$29,000
Title	Novel Digital Magnetometer for Oracular Upper-Atmospheric Studies (DIMAGORAS)
Role and Contribution	Personal load: 100%. Design of an reconfigurable Space Magnetometer.
Duration, Funding Ag. and Funding	2003 – 2006: PPARC. Host: LU. Total funding: \$24,000
Title	Novel Programmable Riometer for in-depth Ionospheric and Magnetospheric Observations (PRIAMOS) Using Direct Sampling Techniques
Role and Contribution	Personal load: 100%. Design of a reconfigurable Space Interferometer. The Sounding Rocket and Balloon Department in Kiruna of the Swedish Space Centre (ESRANGE) requested collaboration for the period 2004-2005.
Duration, Funding Ag. and Funding	2004: ALOMAR observatory in Norway, Norsk Romsenter (Norwegian Space Centre) and the Andoya Rocket Range (ARR). Host: LU. Total funding: \$330,000
Title	AIRIS (ALOMAR Imaging Riometer for Ionospheric Studies)
Role and Contribution	Research Associate. Design of an reconfigurable imaging Space Riometer.
Duration, Funding Ag. and Funding	2001 – 2003: PPARC (Project Code SBA 7630) + PPARC-JREI (Radio Communication Equipment). Host: LU. Total funding: \$460,000 + \$57,000 for the two projects.
Title	New Imaging Riometer based on Mills Cross Technique: ARIES (Advanced RIO Imaging Experiment in Scandinavia)
Role and Contribution	Research Associate. Load: FT. Partners: Max Planck Institute Fur Aeronomie, Germany. Design of a reconfigurable imaging Space system.

Duration, Funding Ag. and Funding	2001 – 2002: LU. Host: LU. Total funding: \$30,000
Title	SID (Sudden Ionospheric Disturbance) System
Role and Contribution	Research Associate. Reconfigurable communications system.
Duration, Funding Ag. and Funding	1999 – 2000: NRS. Host: Electromech Ltd. Total funding: \$340,000 for two prototypes
Title	Train Protection and Warning System
Role and Contribution	Personal load: 100%. The ultimate safety project for the UK Railway industry. Research included: reconfigurable transceiver design, antenna design, analogue electronics and programming.
Duration, Funding Ag. and Funding	1999 – 2000: NRS. Host: Electromech Ltd. Total funding: \$100,000 for one prototype
Title	Automatic Warning System
Role and Contribution	Personal load: 100%. Redesigned the warning system to be compatible with the superior Train Protection and Warning System specifications.
Duration, Funding Ag. and Funding	2000: NNRS. Host: Electromech Ltd. Total funding: \$80,000
Title	Warsaw Warning Unit
Role and Contribution	R & D Project. Dpt. staff: M. Bretherton. Load: FT. Modification of the UK/EU version to meet Poland's Railway specifications. Design of a reconfigurable communications system.

Publications

Doctoral Thesis **Novel Digital Systems Designs for Space Physics Instrumentation, Lancaster University, 2007**

Books

- G. Dekoulis, "**Big Data & Advanced Wireless Technologies**," Springer, In Press, 2021
- G. Dekoulis, "**Ambient Intelligence**," InTech, In Press. To be published in 2021.
- G. Dekoulis, "**Network-on Chip**," InTech, In Press. To be published in 2020.
- G. Dekoulis, "**Robotics in Healthcare**," CRC, In Press, 2020
- G. Dekoulis, "**Field Programmable Gate Arrays (FPGAs) II**," InTech, ISBN 978-1-83881-057-3 , 2020.
- G. Dekoulis, "**Aerospace Control**," Springer, In Press, 2020
- G. Dekoulis, "**Digital Image Processing**," Springer, In Press, 2020
- G. Dekoulis, "**Signal Processing**," Springer, In Press, 2020
- G. Dekoulis, "**Deep Learning with TensorFlow**," Springer, In Press, 2019
- G. Dekoulis, "**Modulation in Electronics and Telecommunications**," InTech, 2020
- G. Dekoulis, "**Military Engineering**," InTech, ISBN 978-1-78923-954-6, February 2020.
- G. Dekoulis, "**Autonomous Vehicles**," InTech, ISBN 978-953-51-6340-4, 2020
- G. Dekoulis, "**Aerospace Engineering**," InTech, ISBN 978-1-83962-786-6, November 2019.
- G. Dekoulis, "**Space Flight**," InTech, ISBN 978-953-51-5839-4, June 2018.
- G. Dekoulis, "**Drones - Applications**," InTech, ISBN 978-1-78923-284-4, June 2018.
- G. Dekoulis, "**Robotics**," InTech, ISBN 978-953-51-3635-4, December 2017.
- G. Dekoulis, "**Field Programmable Gate Arrays (FPGAs)**," InTech, ISBN 978-953-51-3208-0, May 2017.

Encyclopedia Book Chapters	G. Dekoulis, " Drones ," Invited contract-based work for the Enciclopedia Italiana Treccani, Roma, Italia, October 2019.
Book Chapters	<p>G. Dekoulis, "Novel Embedded Cognitive Receiver for Space Physics Applications," Invited Chapter in Introduction to Cognitive Radio Networks and Applications, CRC, Taylor and Francis Publication Group, USA. In press 2019.</p> <p>G. Dekoulis, "Novel Digital Magnetometer for Atmospheric and Space Studies (DIMAGORAS)," Invited Chapter in Aeronautics and Astronautics, Ch. 18, pp. 499-514, ISBN 978-953-307-231-9. July 2011. Book editor: Prof. Max Mulder, Aerospace Engineering, Technical University Delft, Netherlands.</p> <p>G. Dekoulis, "Novel Space Exploration Technique for Analysing Planetary Atmospheres," Invited Chapter, Ch. 14, pp. 303-318, Sciyo, ISBN 978-953-307-143-5. Sept. 2010. Etc.</p>
Sample Refereed Journal Articles	<p>AEI academic members are in the editorial boards of over 25 prestigious international journals, including world-class publishers, such as Springer, IEEE and Elsevier. AEI has recently partnered with the prestigious Springer Nature Applied Sciences (SNAS) Journal as an editor and scientific paper contributor on 14 engineering topics related to: Aerospace, Space, Aviation, Signal Processing, Digital Image Processing, Artificial Processing, Machine Learning, Geosciences, Communications and Networking. Numerous journal contributions have been submitted and will be published by SNAS in 2019/2020.</p> <p>8 invited papers following COSPAR at Istanbul, for the Elsevier Advances in Space Research journal, to progressively be published in 2019-2020 http://adsabs.harvard.edu/cgi-bin/basic_connect?qsearch=dekoulis&version=1</p> <p>G. Dekoulis, "3D Many-Core Embedded FPGA Platform for Communications Systems," Invited Paper in Elsevier Journal of Computer and Electrical Engineering, Special Issue on Methods and Tools for Programming Many-core Embedded Systems, Vol. xx. No. xx, pp. xx-xx, ISSN 0045-7906, to be published in 2019.</p> <p>G. Dekoulis, "3D NoC Multiprocessor Beamformer for Space Physics Receivers," Invited Paper in Journal of Science and Technology, Special Issue on Information and Communications Technology, Vol. 1. No. 2, pp. xx-xx, ISSN 1859-1531, to be published in 2019.</p> <p>G. Dekoulis, "3D Embedded NoC Multiprocessor for Sustainable Wireless Sensor Networks," Invited Paper in Journal of Research in Wireless Networks, Issue on Green Wireless Advancements, Vol. xx. No. xx, pp. xx-xx, to be published in 2019.</p> <p>G. Dekoulis, "Low-Power 3D MPSoC for Target Tracking Communications Receivers," Invited Paper in Journal of Research in Wireless Networks, Vol. xx. No. xx, pp. xx-xx, to be published in 2019.</p> <p>G. Dekoulis, "3 Gbps Embedded Low-Jitter PWM for Overclocking Reconfigurable Satellite Receivers," Invited Paper in Journal for Electrical and Electronic Engineering, ISSN 1814-5892, Vol. xx. No. xx, pp. xx-xx, to be published in 2019.</p> <p>G. Dekoulis, "3D Embedded Intel-based Controller for Synchronizing NoC Multiprocessors," Invited Paper in Journal of Computing and Network Technology, ISSN 2210-1519, Vol. xx. No. xx, pp. xx-xx, to be published in 2019.</p> <p>G. Dekoulis, F. Honary, "Novel Reconfigurable Wide-Beam Radio Interferometer for Space Physics Instrumentation," SPIE Optical and Infrared Interferometry, Space, Vol. 7013, pp. 701358-1 – 701358-9, 2008. http://spie.org/Publications/Proceedings/Paper/10.1117/12.790703</p> <p>G. Dekoulis, F. Honary, "Novel Sensor Design Methodology for Measurements of the Complex Solar Wind – Magnetospheric - Ionospheric System," Journal of Microsystem Technologies, Vol. 14, No. 4, pp. 475-482, April 2008. http://link.springer.com/article/10.1007%2Fs00542-007-0476-0</p>

G. Dekoulis, F. Honary, "Analysis of the Recent Developments in Radio Astronomy and Astrophysics," Invited Paper in Cyprus Journal of Science and Technology, Vol. 6, No. 1, pp. 67-79, 2007.

[http://www.research.lancs.ac.uk/portal/en/publications/analysis-of-the-recent-developments-in-radio-astronomy-and-astrophysics\(6b64c780-9318-4014-9e8b-acb81bc1e870\).html](http://www.research.lancs.ac.uk/portal/en/publications/analysis-of-the-recent-developments-in-radio-astronomy-and-astrophysics(6b64c780-9318-4014-9e8b-acb81bc1e870).html)

G. Dekoulis, F. Honary, "Novel Intelligent Sensor for Reconfigurable Space Physics Systems," Invited Paper in Cyprus Journal of Science and Technology, Vol. 5, No. 2, pp. 32-50, 2006.

<http://eprints.lancs.ac.uk/6682/>

G. Dekoulis, F. Honary, "Unique Digital Receiver for Space Physics Instrumentation Using Reconfigurable Techniques," Invited Paper in Cyprus Journal of Science and Technology, Vol. 4, No. 3, pp. 50-61, 2005.

<http://eprints.lancs.ac.uk/6682/>

G. Dekoulis, "**Legal Issues, Cybersecurity and Policymakers' Implication in AI Robotics,**" IEEE/RSJ International Conference on Intelligent Robots and Systems IROS 2018, 1-5 October, Madrid, Spain.

G. Dekoulis, "**Brain-Computer Interfacing and Quantum Robotics,**" IEEE/RSJ International Conference on Intelligent Robots and Systems IROS 2018, 1-5 October, Madrid, Spain.

G. Dekoulis, "Space Electron Density Gradient Studies using a 3D Embedded Reconfigurable Sounder and ESA/NASA CLUSTER Mission," Committee on Space Research (COSPAR), Regions of Enhanced Risk for Ionospheric Weather, Space Studies of the Upper Atmospheres of the Earth and Planets including Reference Atmospheres, Istanbul, Turkey, 30 July-7 August 2016.

http://adsabs.harvard.edu/cgi-bin/basic_connect?qsearch=dekoulis&version=1

G. Dekoulis, "Space Plasma Slab Studies using a new 3D Embedded Reconfigurable MPSoC Sounder," COSPAR, Recent Advances in Equatorial, Low- and Mid-Latitude Mesosphere, Thermosphere and Ionosphere Studies, Space Studies of the Upper Atmospheres of the Earth and Planets including Reference Atmospheres, Istanbul, Turkey, 30 July-7 August 2016.

G. Dekoulis, "3D Reconfigurable NoC Multiprocessor Portable Sounder for Plasmaspheric Studies," COSPAR, Space and Ground-based Studies of the Coupled Solar Wind-Magnetosphere-Ionosphere-Thermosphere System, Space Studies of the Upper Atmospheres of the Earth and Planets including Reference Atmospheres, Istanbul, Turkey, 30 July-7 August 2016.

G. Dekoulis, "3D Reconfigurable NoC Multiprocessor Imaging Interferometer for Space Climate," COSPAR, Space Climate, Space Plasmas in the Solar System, including Planetary Magnetospheres, Istanbul, Turkey, 30 July-7 August 2016.

G. Dekoulis, "3D Reconfigurable MPSoC for Unmanned Spacecraft Navigation," COSPAR, Spacecraft Instruments and their Use, Space Studies of the Earth's Surface, Meteorology and Climate, Istanbul, Turkey, 30 July-7 August 2016.

G. Dekoulis, "Upper Atmospheric Studies using a 3D Embedded Reconfigurable Interferometer and NASA's THEMIS Space Probe," COSPAR, Advances in Remote Sensing of the Middle and Upper Atmospheres and Ionosphere from the Ground and from Space, including Sounding Rockets, Novel Radar, and Multi-Instrument Studies, Space Studies of the Upper Atmospheres of the Earth and Planets including Reference Atmospheres, Istanbul, Turkey, 30 July-7 August 2016.

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