IOANNIS (JOHN)KARAMITSOS Ph.D.

ixkcad1@rit.edu or ykar123@gmail.com

Rochester Institute Technology (RIT)	Al Furjan Masakin Complex
Dubai Campus Silicon Oasis	Block A, apt 112
Dubai, UAE	Dubai, UAE
	+971-563923684

Academic Employment

Rochester Institute Technology (RIT)- Dubai campus	Dubai, UAE
Adjunct Professor- Program Director for Executive Education	2016-Present
University of Nicosia, Cyprus .	Nicosia, Cyprus
Adjunct Professor- Master of Digital Currencies	2018-Present

Academic Qualifications

University of Sunderland, **Ph.D.** in Computer Science	UK, 2013
University of Krems-Danube, **M.Sc.** Telematics Management	Austria, 2003
University of Rome "La Sapienza", **BSc** (Laurea-5 years) Electronic Engineering	Italy, 1991

University of Aston	UK, 2006

Research Methods Certificate (RMC)

RMC provides all the skills that you require to develop a research methodology and is designed to lead to the development a research proposal and qualifying report which is the conclusion of the RMC. The modules are:

- RMC I: Basic skills within the Management Research process
- RMC II: The Philosophy of Management Research
- RMC III: Qualitative and Quantitative Research Design and Analysis
- RMC IV: Communication and Advanced Research skills

Thesis: "Setting performance targets in the broadband provider's context using Data Envelopment Analysis"

Massachusetts Institute of Technology (MIT)	**Boston, USA, 2015**

Executive Certificate, Tackling the challenge of Big Data

Columbia Business School	**New York, USA, 2014**

Executive Certificate, Driving Business Impact Program

Academic Teaching Experience

At undergraduate level, I have taught combinations of Cryptography, Cryptocurrency, Blockchain, Security, Information Technology, Human Computer Interaction User Interface, Project Management and

Networking courses. At graduate level, I have taught combinations in Networking and Security courses to MSc students.

Achievements

- Co-designed a new course structure with a redistribution of classroom and on-line learning for the graduate students.
- Devised and implemented learning objectives, lesson plans and activities to meet targets
- Delivered a high-quality learning experience to students which was met with consistently positive feedback by independent Faculty evaluation

University of Nicosia   Nicosia, Cyprus

Teaching   **Spring 2018 - Present**
Courses taught:

Graduate Course- COMP530- Cryptographic Systems Security (Spring 2018)
Graduate Course- DFIN524- Blockchain Applications (Spring 2018)

Rochester Institute Technology (RIT)- Dubai Campus   Dubai, UAE

Teaching   **Fall 2016 - Present**
Courses taught:
https://www.rit.edu/pdfs/undergrad_course_desriptions.pdf

Graduate Course- NSSA602 Enterprise Computing (Fall 2017)
Graduate Course- PROF799 Digital Transformation towards smart city (Summer 2017)
Graduate Course- NSSA610 Advanced Wireline Networks Technologies (Spring 2017)

Undergraduate Course- CSCI 243 Mechanics of Programming (Fall 2016, Fall 2017)
Undergraduate Course- NSSA 370 Project Management (Spring 2017)
Undergraduate Course- ISTE 340 Software Modeling Requirements (Fall 2016, Fall 2017)
Undergraduate Course- CSCI 462 Introduction to Cryptography (Spring 2017)
Undergraduate Course- CSCE 455 Computer System Security (Fall 2016)
Undergraduate Course- ISTE 260 Designing the user experience (Fall 2016, Fall 2017)

Professional Diploma in Innovation towards Smart Cities (Fall 2017)

Student thesis supervision
I have supervised students at PhD and MSc level.

Rochester Institute Technology (RIT)-Dubai Campus

MSc Supervisor

-"The Implementation of ISO certificates on the Blockchain", Ijat Siragudee   (2017-Present)
-"Secure Fleet Management (S^2 FM)" Maher Abukaff   2016

University of Kings of London

PhD Supervisor
-"Project Management, Change management and Risk Management integration with a flavor of cultural insights under the novel framework of Change Risk Assessment Model (CRAM).

Harris Apostolopoulos,   2014

University of South Eastern Philippines

MBA Supervisor
- "Data Envelopment Analysis for Telecom Operators in Philipines"

Sonny Acance,   (2009-Present)

Administration

Program Director for Executive Education, Rochester Institute Technology, Dubai, UAE.

Responsibilities included management of the content, structure and delivery of the Program, relations with external bodies and dealing with administrative issues relating to students on the Program.

Research Interests
Current research area concerns on telecommunication security systems and networks, cryptography, blockchain, next generation cloud networks, data-center networking, Big Data and Analytics, Internet of Things (IoT), Data Center technologies, Optical communications (OTN), Software defined networks (SDN), network modeling and performance analysis, Smart building services, HCI, Operations Management and Smart Cities under the ICT and non-ICT convergence.

Academic Research Experience

Athens Technology Center (AIT Greece)   *May 2002 – June 2008*

Researcher

Projects:
1) Perform research on Optical Burst Switching (OBS) technology. Comparison with OPS and OCS technologies, and study the impact of linear impairments in OBS networks.
2) Developed of algorithms, protocols, architectures and transport schemes for evolving high-speed communication systems and networks such as CDWM, and DWDM.
3) Research on new optical transport technologies (OTN, SDN)

Professional Research Experience

INTRACOM   Athens, Greece

R&D Wireline Division   *Sept 1994-2000*

During this period, the main activities of R&D department were developed narrowband and broadband cards and systems. Defines architectures, establishes vendor relationships, designs boards and FPGAs, and takes products through regulatory compliance into volume production. EU and Intracom Company funded the following projects

Projects:

1) **Narrowband platform for leased lines and broadband services. CPE units for the end users.**

Designed the system's first board, Quad ISDN BRI. Defined the Motorola 68000 embedded processor core and wrote software drivers used on all subsequent board designs using National/HPC Microcontrollers communication. Consolidated multi-chip ISDN to 3DS0 conversion logic by designing single Xilinx FPGA reducing legacy two-board solutions to a single line card.

2) **Designed various xDSL products.**

Researched DSL vendors based on density, power, features and technical support. Designed HDSL and SDSL Line Card and integrated third party firmware for Central Office and Remote Terminal applications using HDSL/SHDSL routers.

3) ATM products.

Designed OC-12 ATM Uplink, Quad ATM DS3 Line Card and Host Processor board. Researched and selected PMC-Sierra optical and wired data communication PHYs, Motorola 8240 PowerPC, Mindspeed SAR, MMC switch fabric, LVDS backplane links and Intel CPCI bridges.

4) DSLAM platform and ADSL routers/units.

5) "Network Leased Lines Deployment using xPON technologies"-OTE project.

Grants

ICT Fund- Dubai UAE 2017-2020
RIT Dubai campus.
"Digital Transformation Lab", budget of 4million AED.

COST291, "Towards Digital Optical Networks" 2005-2010
The project is funded by the EU and is focusing on optical processing for digital network performance, novel network architectures as well as a unified control plane, network resilience and service security, budget of 3 million Euros.

Professional Experience

Orange Business Services (OBS), **Dubai, UAE**

Digital Transformation- Blockchain Evangelist **Feb 2017 to Present**

As Blockchain Evangelist collaborated as advisor with Dubai Blockchain Council defining the overall government strategy with other stakeholders. Main duties are:

- Responsible for disruptive technologies such as Blockchain and Artificial Intelligence.
- Responsible for defining Blockchain use case (Smart Contract) and Proof of Concept for DSOA and UAE Government Institutions.
- Defined and approved technology platforms (Hyperledger Fabric, Apla and Ethereum).
- Developed consulting methodology and value proposition.
- Prepared business opportunities assessment collecting and analyzing client's requirements.
- Designed Smart Contracts User Requirements for Procurement dept. for DSOA

-Digital Transformation Technologist-Government & Airlines **Oct. 2016 to Feb 2017**

As digital transformation technologist collaborated with UAE public entities such as DSOA, Dubai Economy, and Dubai Land to conceptualize and implement digital and solution engagement. Defined a complete end-to-end digital enablement road-map. Conducted multiple digital innovation workshops to identify digital disruptions and the business and technology transformation approach. Customized and integrated various smart solutions / products with business value proposition and a very high ROI.

Delivered a complete digital transformation customer journey for airlines with SITA application. The main transformation was outside focusing to the customer experience. We developed a digital transformation assessment with a DT matrix transformation.

Responsible for disruptive technologies such as Blockchain and Artificial Intelligence. Responsible for defining Blockchain use case (Smart Contract) and PoC for DSOA.

I am part of Orange Business Services' Consulting and Transformation practice, where I lead teams to delivers projects that range from high-profile strategic studies through to the implementation and integration of new large-scale initiatives.

-Managing Consultant for Smart Cities and Smart Services　　　　Oct 2010-Sept 2016

-Member of DSOA Innovation Advisory Board

-Member of Smart City Initiative and Member of City Protocol in Dubai.

Hold multifaceted responsibility within senior management role, tasked with providing critical direction and strategic leadership to full construction of two Smart Cities (ITCC and KAFD) in Riyadh.

On Telecoms, Inc　　　　　　　　　　　　　　　　　　　Athens Greece
-CTO　　　　　　　　　　　　　　　　　May 2008-Oct 2010
-Network Operations Manager　　　　　　　　　Feb 2007- May 2008

Huawei Technologies, Plc　　　　　　　　　　　　　　Athens Greece
-Business Development Director　　　　　　Jan 2005-Feb 2007

Intracom Holdings　　　　　　　　　　　　　　　　Athens Greece
-Senior Product Manager　　　　　　　Jun 2000-Dec 2004
-Head of R&D Wireline Electronic Engineer　　　　Jan 1992-May 2000

Publications

Books

[B2] **Ioannis Karamitsos**, "Theory of Interior points methods for optimization (2018) - under publication (Italian version).

[B1] **Ioannis Karamitsos,** "Broadband Access Network: VDSL Technology, ISBN:3659252581, publisher: LAP LAMBERT ACADEMIC PUBLISHING (2012).

Journal Articles

[J14] George Hatzivasilis, **Ioannis Karamitsos**, Ioannis Papaefstathiou, Charalampos Manifavas, Konstantinos Fysarikis and Ioannis Askoxylakis, "SPD-Safe: Secure Administraion of Railway CPS to optimize Cloud Computing for Intelligent Transportation System, in IEEE Access (submitted for review), [IF: 3,224]

[J13] **Ioannis Karamitsos**, and Christos Apostolopoulos, "Optical Trends in Data Centers Architectures for Smart Cities", International Journal of Information Technology (IJIT), Springer, vol (53), 2017 (DOI: 10.1007/s41870-017-0053-4)

[J12] **Ioannis Karamitsos** and Chris Bowerman, "A Resource Reservation Protocol with Linear Traffic Prediction for OBS Networks," In: Advances in Optical Technologies, vol. 2013, Article ID 425372, 2013, ISSN:16876407, . DOI: 10.1155/2013/425372 (acceptance rate 26%) [SJR:0.507]

[J11] **Karamitsos Ioannis** and Al-Arfaj Khalid, "Bandwidth allocation (BA-DBA) algorithm for xPON networks", In: International Journal of Computers Applications (IJCA), vol. 50, no.12, July 2012, ISSN:0975-8887.

[J10] Al-Arfaj Khalid and **Karamitsos Ioannis**, "A Bibliography Survey of Maintenance Scheduling Techniques for Power Generators", In: Global Journal of Researchers in Engineering, vol. XII, issue (1), March 2012, ISSN:0975-5861

[J9**] Karamitsos Ioannis**, Al-Arfaj Khalid, and C. Apostolopoulos, "A fuzzy model for evaluation IP Carriers: A case study of Greek ISP", In: International Journal of Soft Computing 6 (2): 33-39, 2011, ISSN: 1816-9503, DOI: 10.3923/ijscomp.2011.33.39.

[J8] **Karamitsos Ioannis**, C. Apostolopoulos, and M. Al-Bugami, "Benefits Management Process Complements other project management methodologies" Journal of Software Engineering and Applications, Vol.3, No.9, 2010, pp.839-8442010, DOI: 10.4236/jsea.2010.39097 (downloads: 5,735 views: 11,952, updated 8/2/18) [IF:1.53]

[J7] Mavroidis Athanasios, **Karamitsos Ioannis**, and Saletti Paola, "Qualification and provisioning of xDSL broadband lines using a GIS approach", In: International Journal of Computer Systems Science, vol.52, pp.554-557, March 2009

[J6] Charalambos Apostolopoulos and **Karamitsos Ioannis**, "The Success of IT projects using the Agile Methodology", In: 1st International Workshop on Requirements Analysis (IWRA2008), pp.13-20, London, UK, March, December 6th-7th, 2008

[J5] **Karamitsos Ioannis** and Orfanidis Konstantinos, "An Analysis of Blackouts for electric power transmission systems", in PWASET Transactions of Engineering, Computing and Technology, Vol.12, March 2006, pp.289-292, ISSN 1305-5313

[J4] **Karamitsos Ioannis** and Orfanidis Konstantinos, "Blackouts in electric power transmission systems", In: WSEAS Journal, Transactions on Systems, Vol.5, Issue 5, pp. 1176-1180, May 2006, ISSN 1109-2777.

[J3] **Karamitsos Ioannis** "New switching method for Optical Networks", In: Hellenic Association of Greek Engineers and Informatics, Vol.5, pp. 19-23, November-January 2005.

[J2] **Karamitsos Ioannis**, and Varthis Evangelos, "A survey of Reservation schemes for Optical Burst Switching (OBS)", In: WSEAS Journal, Trans on Circuits and Systems, Vol.2, Issue 2, pp. 395-400, April 2003, ISBN 1109-2734

[J1] Varthis Evangelos and **Karamitsos Ioannis**, "Saturation Analysis of Burst Acknowledgement Mechanism of IEEE 802.11e MAC Protocol over Infrared Wireless LANs". In: WSEAS Journal, Trans on Communications, Vol.2, Issue 2, pp. 142-147, April – July 2003, ISBN 1109-2742

Refereed Conference Papers

[C17] **Karamitsos Ioannis**, Charalambos Manifavas, and Muhieddin Amer, "The Influence of Big Data and IoT in Smart Cities", in the Proceedings of the 8th Gulf Research Meeting, Cambridge, UK, 1-4 August, 2017

[C16] **Karamitsos Ioannis**, George Tsaramiris, and Apostolopoulos Charalampos, "Smart Parking: An IoT application for Smart City", in the Proceedings of the 10th INDIACom-2016 International Conference, pp.2271-2275, 16th – 18th March, 2016, INDIA

[C15] **Karamitsos Ioannis**, and Apostolopoulos Christos, "Study of flow streams as a performance parameter for Data Centers". In International Conference on Innovations in Information Technology 2015 (IIT'15), pp.269-272, 1st – 3rd Nov, 2015, Dubai, UAE **(Best Application Oriented Paper Award),** (DOI:10.1109/INNOVATIONS.2015.7381546)

[C14] **Karamitsos Ioannis,** and Margaret-Mary Nelson, "The impact of organisational models for non-core business services in the FM". In 8th International Facility Management Congress, pp: 17-34, 19th - 20th Nov 2015, Vienna, Austria.

[C13] **Karamitsos Ioannis**, and Khalid Al-Arfaj, "Optimizing AHP incomplete comparisons using D-optimal design". In 23rd International Conference on Multiple Criteria Decision Making (MCDM 2015), pp.62, 2nd – 7th August 2015, Hamburg, Germany.

[C12] **Karamitsos Ioannis**, Fahad Ali Alsaighi and Apostolopoulos Christos, "Future and Trends in Optical Transport Networks". In Proceeding 22nd IEEE TELFOR 2014, pp.593-596, 25th -17th 2014, Belgrade, Serbia, (DOI: 10.1109/TELFOR.2014.7034479).

[C11**]** **Karamitsos Ioannis**, Khalid Al-Arfaj and Apostolopoulos Charalampos, "D-optimal designs approach for AHP Incomplete comparisons". In Proceeding 7th International Conference on Software, Knowledge, Information Management and applications, (SKIMA 2013), 18-20 December 2013, Chiang Mai, Thailand.

[C10] **Karamitsos Ioannis** and Apostolopoulos Charalambos, "Convergence: Smart Home into Cloud". In 10th IEEE International Conference Wireless and optical communications networks (WOCN 2013), 26-28 July 2013, Bhopal, India, ISSN: 2151-7681, PRINT ISBN: 978-1-4673-59997-9, DOI: 10.1109/WOCN.2013.6616254

[C9] Apostolopoulos. C, **Karamitsos I,** and Apostolopoulos H., "Measuring the Operational Efficiency using Data Envelopment Analysis of a Greek Internet Service Provider". In 1st Balkan Conference in Operation Research (BALCOR 2011), Thessaloniki, Greece, 21st -23rd September, 2011.

[C8] **Karamitsos Ioannis,** A. Mavroidis, "Study of TCP over OBS with Physical Impairments". In Proc. 5th IEEE-GCC Conference, Kuwait, 15th -17th March, 2009. (DOI:10.1109/IEEEGCC.2009.5734270).

[C7] **Karamitsos Ioannis**, Katerina Vagelatou, and Gianna Koliopanou, "Group Tone Spectrum Management Algorithm (GTSM) for VDSL2 technology", in Proc. 3rd International Conference on Systems and Networks Communications (ICSNC'08), pp. 98-102, Silema, Malta, October 26th -31st , 2008 (DOI:10.1109/CSNC.2008.61).

[C6] **Karamitsos Ioannis** and Alexandros Prosmitis, "Very High Bit Rate Digital Subscriber Line (VDSL2) technology for triple play services". In Proc. Conference on Communications, Computer, and Power (ICPPP'07), Muscat, Oman, February 19-21, 2007

[C5] **Karamitsos Ioannis** and Orfanidis Konstantinos, "An analytical approach for Dynamic Voltage Stability Analysis in Power Systems". In Proc. 5th WSEAS International Conference on Applications of Electrical Engineering (AEE'06), Prague, Czech Republic, March 12-14, 2006.

[C4] **Karamitsos Ioannis**, Tzanakaki Anna, and Tomkos Ioannis, "Study of Physical Effects as a Performance parameter in a Optical Burst Switched Networks". In Proc. ICTON 2005, MoA1, TU B.1.6, pp.228-231, Barcelona, Spain, 3-7 July, 2005 (DOI:10.1109/ICTON.2005.1505792).

[C3] **Karamitsos Ioannis**, "Analytical model for Optical Burst Switching (OBS) networks with Linear Impairments". In Proc. 2nd IEEE-IFIP International Conference on Wireless & Optical Communications networks (WOCN 2005), pp. 192-195, Dubai, UAE, March 6-8, 2005. (DOI:10.1109/WOCN.2005.1436017).

[C2] **Karamitsos Ioannis**, and Varthis Evangelos, "Impact of Linear Transmission Impairments on Optical Burst Switching (OBS) Networks". In Proc. 1st IEEE-IFIP International Conference on Wireless & Optical Communications networks (WOCN 2004), Muscat, Oman, June 7-9, 2004.

[C1**]** **Karamitsos Ioannis**, and Varthis Evangelos, "Routing mechanisms for IP over OBS-WDM optical networks". In Proc. 12th IEEE Mediterranean Electro-technical Conference (MELECON 2004), vol. II, pp.523-527, Dubrovnik, Croatia, May 12-15, 2004.(DOI:10.1109/MELECON.2004.1346981)

Invited Magazine Articles

[m4] **Karamitsos Ioannis** "Blockchain- Building Block of Smart Cities". In: CommsMEA Magazine, pp.19, August 2017 (https://www.highbeam.com/doc/1G1-501880467.html)

[m3] **Karamitsos Ioannis** "5G: Next Generation Mobile". In: CommsMEA Magazine, pp.44, January 2017 (www.commsmea.com/16822-next-generation-mobile/)

[m2] **Karamitsos Ioannis** "New switching method for Optical Networks", [Greek]. In: ZTE Technologies, vol.12, no.12, pp.10-11, December 2010.

[m1] **Karamitsos Ioannis** "New switching method for Optical Networks", [Greek]. In: Hellenic Association of Greek Engineers and Informatics, Vol.5, pp. 19-23, November-January 2005.

Theses

[t3] **Karamitsos, Ioannis,** 2013. QoS Methods in Optical Switched Networks. PhD by publication dissertation, University of Sunderland, UK.

[t2] **Karamitsos Ioannis,** 2003. Emerging trends in broadband networks using VDSL technology, Master's thesis, University of Krems-Danube, Austria

[t1] **Karamitsos Ioannis,** 1991. Non-convex square programming methods for the solution of combined optimization problems, Bachelor's thesis, University of Rome, La Sapienza, Italy.

Invited Talks

Karamitsos, I. 2017. "Blockchain and Smart Contracts Building Blocks for Smart Cities", Decentralized Conference, Limassol, Cyprus, November 2017.

Karamitsos, I. 2017. "The Influence of Big Data and IoT into Smart Cities", 8th Gulf Research Meeting, Cambridge, UK, August 2017.

Karamitsos, I. 2017. "Blockchain: A disruptive technology for smart cities", DTEC, Dubai, UAE, May 2017 (http://www.mediaoffice.ae/en/media-center/news/22/5/2017/osis.aspx)

Karamitsos, I. 2017**. "**The Role of Artificial Intelligence for building smarter and risk aversive cities" a joint talk with Prof. Spyros Makridakis, The British University in Dubai (BUID), Dubai, UAE, May 2017 (http://buid.ac.ae/The-Role-of-Artificial-Intelligence-for-Building-Smarter-and-Risk-Aversive-Cities)

Karamitsos, I. 2017. Blockchain Smart Contracts, DSOA, Dubai, UAE, March 2017.

Karamitsos, I. 2017. Blockchain Technology, DSOA, Dubai, UAE, March 2017.

Karamitsos, I. 2016. IoT into Smart Cities, Rochester Institute Technology University, Dubai Campus, Dubai, UAE, June 2016.

Karamitsos, I. 2015. Research Business Methods, MBA, University of Philippines, Riyadh, KSA.

Karamitsos, I. 2015. The Impact of organizational models for non-core business services in the FM, University of Wien, Austria, March 2015.

Karamitsos, I. 2015. Study of flow streams as a performance parameter for Data Centers. UAE University, Al-Ain, UAE, February 2015.

Karamitsos, I. 2013. Smart Cities in Saudi Arabia, Boussias Conference, Athens, Greece, February 2013

Karamitsos, I. 2006. TCP/IP over OBS with physical impairments, University of the Aegean, Greece, November 2006.

Karamitsos, I. 2004. Physical impairments on optical burst switched networks, University of the Aegean, Greece, October 2004.

Karamitsos, I. 2003. Optical Burst Switching, University of the Aegean, Greece, September 2003.

Awards and Honors

- **Innovations Conference (IIT'15) Award, 2015.** Recognizes" Best Solution Application paper"
- **Orange Business Services Award, 2011.** Recognizes "Best Customer Satisfaction"
- **Huawei Technologies, Award, 2005.** Recognizes "Best European Employee"

PROFESSIONAL MEMBERSHIPS:

- British Blockchain Association (BBA)   2018
- Member of City Protocol Task Force   2015
- Member of CIB Task Group (TG88) Smart City Committee   2013
- Member of Canadian Operation Research Society (CORS)   2009
- Member of Project Management Institute (PMI)   2004
- Member of IEEE   1997
- Member of the Technical Chamber of Greece   1992
- Member of the Greek Society of Informatics   1994

Certifications

BLOCKCHAIN
- Blockchain Expert –Blockchain Council (2017)
- IBM Blockchain for developers (2017)
- Bitcoin Certification Exam, Udemy, (2017)

SECURITY
- CEH v9 certificate (2016)
- ISO 27002- EXIN (2016)
- CISSP (2017)

CLOUD COMPUTING
- IBM Certified Infrastructure Cloud Solution (2012)
- IBM Certified Solution Advisor-Cloud Computing Architecture (2011)

CISCO
- CCNA Data Center (2014)
- ITIL v.3 Foundation Certificate (2011)

ISACA
- COBIT 5 Foundation (2015)

IT GOVERNANCE
- Six Sigma Yellow Belt (2015)
- TOGAF 9 Foundation (2013)
- SCRUM MASTER (2012)

PROJECT MANAGEMENT
- PRINCE Foundation (2014)

Training

- Complete Bitcoin Course- Coursera, 2017
- Coursera Seminar, "R Programming", MIT by Prof. Bertsikas, 2015
- ESTIMADA training- Abu Dhabi, UAE, 2015
- LEED training – RIC, Riyadh, KSA, 2014
- Coursera Seminar, "Machine Learning", Stanford University, online, 2014

- Certificate of Completion, "How to build a Startup", Stanford University, 2012
- Certificate of Completion, "Effective Business Writing", Ohio University, 21/3/2005, Ohio, USA
- Intracom Seminar, "Basic Project Management", 28/6/04-01/07/04, Peania, Greece
- AIT Course, "Optical Networks" by I. Tomkos, 2/4/03-17/7/03, Peania, Greece
- AIT Course, "Advanced Topics on Digital Signal Processing" by Prof. A. Constandines, Imperial College, 2/4/03-17/7/03, Peania, Greece
- AIT, "Short course on Digital Communications" by Prof. J. Proakis, 7/7/03-11/7/03, Peania, Greece
- Eurocom Seminar, "LLMS /NBMS Management Systems", 5/5/03-9/5/03, Athens
- Eurocom Seminar, "Unix Administration", 31/3/03-4/4/03, Athens, Greece
- Eurocom Seminar, "NBS Element", 17/3/03-21/3/03, Athens, Greece
- Marconi Seminar, "MV41C Leased Lines Network Manager Operations", 11/7/00-14/7/00, Genoa, Italy
- Marconi Seminar, "MD202 DXC 1/0 Operations and Maintenance", 20/6/00-23/6/00, Genoa, Italy
- Marconi Seminar, "Network Management System of Marconi Multiplexer products", 15/3/99-19/9/99, Genoa, Italy
- Marconi Seminar, "Network Management System of Hellascom Network", 22/9/97-25/9/97, Genoa, Italy
- Eurocom Seminar, "Introduction in Internet", 27/11/95-29/11/95, Athens, Greece
- Eurocom Seminar, "XMP-1 Flexible Multiplexer", 25/9/95-6/10/95, Athens, Greece
- TEE Seminar in Design of the production systems, 21/10/93-27/10/93, Athens, Greece
- NTUA Specialization in Design and Management of Computer networks, 1/10/92-22/12/92, National Technical University of Athens, Greece

Professional Services

Journals
Editorial Board Member
- International Journal of Computer Network & Communications (IJCNC)
- International Journal of Multimedia & its Applications (IJMA)
- Conferences and Workshops: Program Committee and Reviewer Member

Program Committee Member
The First International Conference on Networks & Communications (NetCoM-2009) 27-29 December 2009-2017, Chennai, India

The First International Workshop on Computer Networks & Communications (CoNeCo-2009-2017), April 1-3, Dong Hoi City, Vietnam

The First International Workshop on Wireless & Mobile Networks (WiMon-2009), March 23-25, 2009 Athens, Greece

The First International workshop on Grid Computing (GridCom- 2009), May 10-13, 2009, Rabat, Morocco

The First International Workshop on Wireless & Mobile Networks (WiMo-2009), July 7-10, 2009 Brisbane, Australia

Technical Program Committee Member
The 4th International Conference on Systems and Network Communications (ICSNC 2009) – Porto, Portugal

Reviewer Member
Open Journal of Mobile Computing and Cloud Computing

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