CURRICULUM VITAE

IOANNIS D. MOSCHOLIOS

Professor

Department of Informatics & Telecommunications
University of Peloponnese
Tripolis
Greece

October 2023

Structure

1 PERSONAL DATA

Name:	IOANNIS D. MOSCHOLIOS
	Professor,
	University of Peloponnese,
	Dept. of Informatics & Telecommunications,
	Karaiskaki St.,
	Tripolis 22100,
	Greece
Citizenship:	Hellenic
Date of Birth:	January 2, 1976
Place of Birth:	Athens, Greece
Marital Status:	Married
Telephone:	+30 2710-372283 (work)
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2 EDUCATION

Sept. 1994 – Sept. 1999:	Diploma in Electrical & Computer Engineering
	University of Patras, Patras, Greece
	Diploma Thesis: "Determination of Call Blocking Probability and Optimal ABR Traffic Distribution in ATM Networks" (in Greek) *(Supervisor: Prof. Michael D. Logothetis)*
Sept. 1999 – Sept. 2000:	Master of Science (MSc) in Spacecraft Technology and Satellite Communications
	University College London (UCL), London, United Kingdom
	MSc Thesis: "An Efficient Power Amplifier Design using Doherty Technique" *(Supervisor: Assistant Prof. Ahmad Khanifar)*
Oct. 2000 – Feb. 2005:	PhD in Electrical & Computer Engineering
	University of Patras, Patras, Greece
	PhD Thesis: "CALL-LEVEL MULTIRATE LOSS MODELS -Threshold Models, ON-OFF Models, Models of Batch Arrivals" (in Greek) *(Supervisor: Prof. Michael D. Logothetis)*

3 RESEARCH INTERESTS

1. Next Generation Networks.

2. Performance Analysis of Network Protocols.

3. Teletraffic Engineering

4. Network Management in Telecommunication Networks.

5. Performance Evaluation and Optimization of Telecommunication Networks.

6. Network simulation.

7. UAV.

8. Machine Learning

4 INDUSTRIAL EXPERIENCE

Oct. 2005 – June 2009: **Core Network Engineer** in the Core Network/ Network Planning department of Vodafone Greece.

5 ACADEMIC EXPERIENCE

Mar. 2023 – **Present**:   **Professor** in the Dept. of Informatics & Telecommunications, University of Peloponnese, Tripolis, Greece.

Nov. 2018 – Feb. 2023: **Associate Professor** in the Dept. of Informatics & Telecommunications, University of Peloponnese, Tripolis, Greece.

Dec. 2016 – Nov. 2018: **Tenure Assistant Professor** in the Dept. of Informatics & Telecommunications, University of Peloponnese, Tripolis, Greece.

Feb. 2013 – Dec. 2016: **Assistant Professor** in the Dept. of Informatics & Telecommunications, University of Peloponnese, Tripolis, Greece.

June 2009 – Feb.2013: **Lecturer** in the Dept. of Telecommunication Science and Technology, University of Peloponnese, Tripolis, Greece.

Oct. 2023 – **Present**:   **Coordinator** of the postgraduate course: "Specialization in Networks and Communications", School of Science & Technology, Hellenic Open University.

Oct. 2023 – **Present**:   **Teaching Fellow** in the Hellenic Open University, School of Science and Technology. I taught the postgraduate course: "Specialization in Networks and Communications".

Oct. 2022 – July 2023: **Teaching Fellow** in the Hellenic Open University, School of Science & Technology. I taught the undegraduate course: "Advanced Networks and Services".

Oct. 2021 – July 2022: **Teaching Fellow** in the Hellenic Open University, School of Science & Technology. I taught the undegraduate course: "Advanced Networks and Services".

Oct. 2016 – July 2021: **Coordinator** of the postgraduate course: "Specialization in Networks and Communications", School of Science & Technology, Hellenic Open University.

Oct. 2016 – July 2021:   **Teaching Fellow** in the Hellenic Open University, School of Science and Technology. I taught the postgraduate course: "Specialization in Networks and Communications".

Oct. 2014 – July 2015:   **Teaching Fellow** in the Hellenic Open University, School of Science and Technology. I taught the postgraduate course: "Specialization in Networks and Communications".

Oct. 2013 – July 2014:   **Teaching Fellow** in the Hellenic Open University, School of Science & Technology. I taught the undegraduate course: "Advanced Networks and Services".

Oct. 2012 – July 2013:   **Teaching Fellow** in the Hellenic Open University, School of Science & Technology. I taught the undegraduate course: "Advanced Networks and Services".

Oct. 2010 – July 2011:   **Teaching Fellow** in the Hellenic Open University, School of Science and Technology. I taught the postgraduate course: "Specialization in Networks and Communications".

6   RESEARCH EXPERIENCE

April 2022 – **Present**:   **Scientific Director** of the programme: "Performance Evaluation of V2X Communications", Hellenic Foundation for Research and Innovation (HFRI).

Jan. 2012 – Dec. 2014:   **Researcher** in the Greek General Secretariat for Research and Technology programme ARCHIMEDES, entitled: "Development of QoS-aware access Protocols for Hybrid Optical-Wireless Networks, PHOWN".

Nov. 2005 – Dec. 2008: **Researcher** in the Greek General Secretariat for Research and Technology programme, entitled: "QoS Guarantee of Internet services in IEEE 802.11e wireless links: Mechanism for scheduling of data flow – Teletraffic loss models in wireless networks".

Dec. 2003 – Dec. 2004:   **Researcher** in the CARATHEODORY programme of the University of Patras, entitled: "QoS Guarantee of Internet services in IEEE 802.11e wireless links: Connection Admission Control and Call Blocking Probability calculation".

Sept. 2002 – Oct. 2004: **Member** of the Network Management Group for the development of the Voice (ISDN) Network of the University of Patras, Patras, Greece.

Mar. 1999 – Oct.2001:   **Researcher** in the CARATHEODORY programme of the University of Patras, entitled: "Determination of Call Blocking Probability and Optimal ABR Traffic Distribution in ATM Networks"

7 TEACHING EXPERIENCE

7.1 AS A PROFESSOR (UNIVERSITY OF PELOPONNESE)

Mar.2023 - **Present**: Undergraduate course "**Probabilities and Statistics**", (2nd semester).

Mar. 2023 - **Present**: Undergraduate course "**Communication Networks II**", (5th semester).

Mar.2023 - **Present**: Undergraduate course "**Stochastic Network Modeling & Performance Analysis**", (6th semester).

Mar. 2023 - **Present**: Postgraduate course "**Discrete Systems Simulation Techniques**", in the "MSc in Computer Science".

Mar. 2023 - **Present**: Postgraduate course "**Large scale statistical methods**", in the "MSc in Data Science".

Dec. 2022 - **Present**: Supervision of **the PhD thesis** of Mr. M. Vlassakis. (*Publications: J77, C123, C133, C135, Σ142*)

Feb.2020 - **Present**: Supervision of **the PhD thesis** of Ms. E. Keramidi. (*Publications*: **J60**, **J71**, **J78**, **C103, C105, C118, C120, C123, C124, C125, C130, C133, C135, C137, C138**)

7.2 AS AN ASSOCIATE PROFESSOR (UNIVERSITY OF PELOPONNESE)

Nov.2018 - Feb. 2023: Undergraduate course "**Probabilities and Statistics**", (2nd semester).

Nov.2018 - Feb. 2023: Undergraduate course "**Communication Networks II**", (5th semester).

Nov.2018 - Feb. 2023: Undergraduate course "**Stochastic Network Modeling & Performance Analysis**", (6th semester).

Oct. 2019 - Feb. 2023: Postgraduate course "**Discrete Systems Simulation Techniques**", in the "MSc in Computer Science".

Nov.2018 – Feb. 2023: Postgraduate course "**Large scale statistical methods**", in the "MSc in Data Science".

Feb. 2019 – July 2020: Postgraduate course "**Contemporary and Future Communication Networks**", together with Prof. A. Kaloxylos, in the MSc Modern Wireless Communications.

Nov. 2018 – Feb. 2020: Postgraduate course "**Satellite systems and networks**", in the "MSc in Space Science Technologies and Applications"

Nov.2018 – Feb. 2023: Supervision of **the PhD thesis** of Mr. P. Panagoulias (completed). (*Publications*: **J53-J56, J61, C76, C92, C97, C98, C104, C107, C114**)

Nov.2018 – April 2022: Supervision of **the PhD thesis** of Mr. A. Chousainov (completed). (*Publications*: **J58, J59, J61-Π63, J69-Π70, J73, C106, C109, C114, C116**)

Feb. 2019 – April 2020: Supervision of **1 MSc thesis** in the framework of the Postgraduate Programme, entitled: "MSc in Space Science Technologies and Applications", University of Peloponnese.

- A. Zampati, "Performance analysis in Low Earth Orbit Mbile Satellite Systems", April 2020 (in Greek).

Feb. 2019 – Sept. 2019: Supervision of **1 MSc thesis** in the framework of the Postgraduate Programme, entitled: "Modern Wireless Communications", University of Peloponnese.

- E. Keramidi, "Call-level analysis of WiFi networks with restricted accessibility", September 2019 (in English) (*Publications*: **C103, C105**)

Nov.2018 – Sept. 2019: Supervision of **1 MSc theses** in the framework of the Postgraduate Programme, entitled: "MSc in Information Systems", of the Hellenic Open University:

- M. Tsabodimou, "Modeling of load balancing mechanisms in 4G/5G networks", September 2019 (expected) (in Greek).

Nov.2018 – Sept. 2020: Supervision of **4 diploma theses** in the Dept. of Informatics & Telecommunications, University of Peloponnese:

- P. Kardaras, "Vehicle performance analysis with the aid of queueing theory", September 2020 (in Greek).

- P. Kanaki, "Call blocking probabilities in 4G/5G networks under the guard channel policy", November 2019 (in Greek).

- I. Sklirou, "Load balancing mechanisms in 5G networks", October 2019 (in Greek).

- A. Zervas, "A study on handover management in femtocell LTE and 5G networks", April 2019.

7.3 As an Assistant Professor (University of Peloponnese)

Feb. 2014 – Nov.2018: Undergraduate course "**Probabilities and Statistics**", (2nd semester).

Feb. 2013 – Nov.2018: Undergraduate course "**Communication Networks II**", (5th semester).

Feb. 2013 – Nov.2018: Undergraduate course "**Stochastic Network Modeling & Performance Analysis**", (6th semester).

Feb. 2013 – Sept. 2014: Undergraduate course "**Communication Networks Simulation Techniques**", (8th semester).

Oct. 2017– Nov.2018: Postgraduate course "**Large scale statistical methods**", in the "MSc in Data Science".

Feb. 2016 – Sep. 2016: Postgraduate course "**Advanced Topics in Communication Networks**" in the MSc Advanced Telecommunications Systems and Networks.

Feb. 2014 – Sep. 2014: Postgraduate course "**Advanced Topics in Communication Networks**" in the MSc Advanced Telecommunications Systems and Networks.

Feb. 2013 – Sep. 2013: Postgraduate course "**Advanced Topics in Communication Networks**", together with Prof. A. C. Boucouvalas, in the MSc Advanced Telecommunications Systems and Networks.

Dec. 2015 – Nov. 2018: Supervision of **the PhD thesis** of Mr. P. Panagoulias. (in progress)

Feb. 2018 – Nov. 2018: Supervision of **the PhD thesis** of Mr. A. Chousainov. (in progress)

Feb. 2013 – April 2017:   Supervision of **9 MSc theses** in the framework of the Postgraduate Programme, entitled: "Advanced Communication Systems and Networks", of the Dept. of Informatics & Telecommunications, University of Peloponnese:

- S. Papadopoulos, "Analysis of a WiFi system as a multirate loss system of random traffic", May 2017 (in Greek). (*Publication*: **C86**).

- A. Anastasopoulos, "Call level analysis of a wireless OFDM network", March 2017 (in Greek).

- I. Nanos, "Modeling of a random or quasi-random multirate loss model under the bandwidth reservation policy", September 2016 (in Greek).

- S. Parnassa, "Congestion Probabilities of Batched Poisson traffic in the uplink direction of WCDMA networks", February 2015, (in Greek).

- M. Katsiva, "Call Blocking Probabilities of Quasi-Random traffic in the uplink direction of WCDMA networks", April 2014, (in Greek). (*Publications*: **J29, C57, C61**)

- T. Sklirou, "Opportunities and Challenges in Green Mobile Networks", March 2014, (in Greek).

- O. Kapelou, "Application of the Bandwidth Reservation Policy in Multirate Loss Networks that support Elastic and Adaptive Traffic", February 2014, (in Greek).

- O. Siorovigka, "Analysis of the IEEE 802.11 protocol based on Bianchi's model and its extensions", February 2014, (in Greek).

- C. Chaidogiannos, "Simulation of advanced queuing models based on SIMSCRIPT II.5", April 2013, (in Greek).

Feb. 2013 – Nov. 2018:   Supervision of **11 MSc theses** in the framework of the Postgraduate Programme, entitled: "MSc in Information Systems", of the Hellenic Open University:

- P. Efstratiou, «Modeling of user's mobility and a bandwidth sharing mechanism in 4G/5G networks", September 2018 (in Greek).

- G. Nterekis, QoS guarantee in the X2 interface of an LTE network accommodating Poisson arriving calls", September 2016 (in Greek).

- P. Simeonidou, "Modeling of an ON-OFF multirate loss system accommodating Poisson arriving calls under the complete sharing and bandwidth reservation policies", September 2016 (in Greek).

- A. Mastrogiannis, "Analysis of a multirate loss-queueing system accommodating elastic calls", September 2016 (in Greek).

- C. Noukas, "A multirate loss system accommodating elastic calls under the threshold policy", September 2016 (in Greek).

- P. Panagoulias, Call blocking probabilities in the X2 interface of an LTE network accommodating quasi-random traffic", May 2016 (in Greek).

- N. Ispanopoulos, "Analysis of a multirate loss system of random or quasi-random traffic under the threshold and bandwidth reservation policies", September 2015 (in Greek).

- C. Chatzigeorgiou, "Analysis of a multirate loss system of batched Poisson elastic/adaptive calls", May 2015 (in Greek).

- S. Seitaniotis, Analysis of a multirate loss system of elastic/adaptive calls with retrials", May 2014 (in Greek).

- Konstantinidis, «Call blocking probabilities of Poisson arriving calls in the uplink of a WCDMA cell", September 2013 (in Greek).

- A. Athanasopoulos, «QoS Guarantee in a multirate loss system of Poisson/quasi-random elastic calls", September 2013 (in Greek).

Feb. 2013 – Nov. 2018**:** Supervision of **14 diploma theses** in the Dept. of Informatics & Telecommunications, University of Peloponnese:

- E. Keramidi, "Call blocking probabilities in elastic optical OFDM networks", September 2018.

- S. Pantelis, "Mean value analysis in closed queueing networks and a study of the traffic distribution in WiFi networks", May 2017 (in Greek). (*Publications*: **J46**, **J48**, **C86**)

- S. Sagkriotis, "Analysis of multirate loss models based on convolution algorithms", April 2017 (in English). (*Publications*: **J46**, **J48**, **C87**)

- S. Argirakis, "Mean Value Analysis in Multirate Models", April 2017 (in Greek).

- K. Vavarouta, "Applications of Game Theory in Telecommunication Networks", April 2017 (in Greek).

- K. Peratinos, "Mathemetical Analysis and Simulation of Multi-Rate Loss Networks for Quasi Random Telecommunication Traffic", April 2016 (in Greek).

- I. Tzeros, "Simulation of multirate loss systems for virtual cluster computing systems", March 2016 (in Greek).

- V. Daikoudis, "Simulation of a multirate WCDMA link carrying batched Poisson traffic under the bandwidth reservation policy", December 2015 (in Greek).

- K. Daikoudis, "Simulation of a multirate WCDMA link carrying batched Poisson traffic", December 2015 (in Greek).

- G. Kritharellis, "Congestion probabilities in CDMA networks that support batched Poisson traffic", July 2015 (in Greek).

- I. Mathioudakis, "Simulation of single and multirate loss or queueing systems", April 2015 (in Greek).

- E. Mpatzogianni, "Simulation of multiservice loss networks with fixed or alternative routing", July 2014 (in Greek).

- S. Diamanti, "Analysis of the $M/E_k/1$ and the $E_k/M/1$ queueing models", February 2014 (in Greek).

- P. Nikolopoulos, "Bandwidth allocation analysis of coordinate convex policies in multirate networks", April 2013 (in Greek).

7.4 AS A LECTURER (UNIVERSITY OF PELOPONNESE)

Sept. 2009 – Feb. 2013: Undergraduate course "Communication Networks II", (5th semester).

Feb. 2010 – Feb. 2013: Undergraduate course "Stochastic Network Modeling & Performance Analysis", (6th semester).

Feb. 2010 – Feb. 2013: Undergraduate course "Communication Networks Simulation Techniques", (8th semester).

Sept. 2009 – Feb. 2013: Postgraduate course "Advanced Topics in Communication Networks", together with Prof. A. C. Boucouvalas.

Feb. 2010 – Feb. 2013: Supervision of **10 MSc theses** in the framework of the Postgraduate Programme, entitled: "Advanced Communication Systems and Networks", of the Dept. of Informatics & Telecommunications, University of Peloponnese:

- E. Mata, «Analysis of an ON-OFF Multirate Loss System», July 2012, (in Greek).

- P. Tziortzidis, "Packet Scheduling in WCDMA networks", September 2011, (in Greek).

- Lazarakis, "QoS in Wireless Mesh Networks", September 2011, (in Greek).

- P. Tsempelis, "Call blocking probabilities in a multirate Batched Poisson loss model", September 2011, (in Greek).

- D. Psarras, "Recursive calculation of packet losses in an IP network", September 2011, (in Greek).

- Loumpardia, "Call blocking probabilities in the uplink of a WCDMA cell supporting heterogeneous traffic", April 2011, (in Greek).

- N. Tzanis, "Simulation of the uplink of a WCDMA cell based on SIMSCRIPT II.5", April 2011, (in Greek).

- E. Maniatis, "A study on the effects of mobility on bandwidth allocation policies in multirate wireless networks", January 2011, (in Greek).

- G. Giannakopoulos, "QoS in a multirate link supporting elastic traffic", December 2010, (in Greek).

- K. Pouloupatis, "Overflow call blocking probabilities in multirate loss networks", October 2010, (in Greek).

Sept. 2010 – Feb. 2013: Supervision of **2 MSc theses** in the framework of the Postgraduate Programme, entitled: "MSc in Information Systems", of the Hellenic Open University:

- V. Vounoukis, "QoS Guarantee in a multirate loss system that supports batched Poisson arriving calls", September 2012 (in Greek).

- K. Nestor, «Analysis of a multirate loss system of random/quasi-random calls with retrials", May 2012 (in Greek).

Sept. 2010 – Feb. 2013: Supervision of **4 diploma theses**, in the Dept. of Informatics & Telecommunications, University of Peloponnese:

- K. Serve, "Analysis of Bandwidth Allocation Policies in Multirate Loss Networks", October 2012, (in Greek).

- F. Pervolarakis, "Simulation of queueing and loss systems based on SIMSCRIPT II.5", November 2011, (in Greek).

- O. Siorovigka, "Analysis and simulation of the uplink in a WCDMA cell that supports multirate Poisson traffic", November 2011, (in Greek).

- D. Mourouzidis, "Call blocking probabilities in a link that supports elastic traffic and retrials", November 2011, (in Greek).

7.5 AS A PHD STUDENT OR PHD (DEPT. ELECTRICAL & COMPUTER ENGINEERING, UNIVERSITY OF PATRAS)

Sept. 2005 – June 2012: Co – supervision together with Prof. M. Logothetis of PhD student J. S. Vardakas. (*Publications*: **J16-J19, C26, C34-C37, C39-C45**).

Dec. 2004 – Nov. 2010: Co – supervision together with Prof. M. Logothetis of PhD student V. G. Vassilakis. (*Publications*: **BC1, BC3, J13, J14, J20, C21, C23, C25-C28, C30-C33, C38**).

Oct. 2002 – Jan. 2003: Lecture exercises in the undergraduate course "Telecommunication Systems I", (7th semester).

Mar. 2002 – June 2002: Laboratory exercises in the undergraduate course "Telecommunication Systems II", (8th semester).

Mar 2002 – June 2004: Lecture exercises in the postgraduate course "Network Management", (10th semester).

Oct. 2001 – Jan. 2004: Lecture exercises in the postgraduate course "Broadband Networks", (9th semester).

Mar. 2001 – June 2004: Lecture exercises in the undergraduate course "Introduction to Communications", (6th semester).

Lecture exercises in the undergraduate course "Teletraffic Engineering", (8th semester).

Oct. 2000 – Jan. 2004: Laboratory exercises in the undergraduate course "Telecommunication Systems I", (7th semester).

Oct. 2000 – July 2006: Co-supervision together with Prof. M. Logothetis of 11 diploma theses:

- G. Kallos, "A call-level study on QoS in UMTS networks", July 2006, (in Greek). (*Publications*: **BC3, J14, C27, C30-C33**).

- K. Deligiannopoulos, "On fair bandwidth allocation algorithms for differentiated services – study of the Core Stateless Fair Queuing algorithm", September 2004, (in Greek).

- G. Vassilas, "On fair bandwidth allocation algorithms for differentiated services – study of the Weighted Fair Queueing algorithm", September 2004, (in Greek).

- I. Robotos, "A study on QoS in MPLS networks with the aid of Network Simulator 2", March 2004, (in Greek).

- E. Braouzos, "MPLS networks: Performance of MPLS networks using Network Simulator 2", February 2004, (in Greek).

- P. Giannakou, "On optimizing the bandwidth allocation in differentiated service networks", October 2003, (in Greek).

- P. Nikolaropoulos, "Call-burst blocking probabilities in multirate loss models", July 2003, (in Greek). (*Publications*: **J4, C8-C10**).

- N. Kotzinos, "A call-level network simulator for elastic traffic", September 2002, (in Greek). (*Publication*: **C7**).

- T. Liokos, "Simulation of call-level teletraffic models based on SIMSCRIPT II.5", February 2002, (in Greek). (*Publication*: **C5**).

- E. Aggelis "Bandwidth management of ABR traffic in ATM networks", October 2001, (in Greek).

- D. Karamanis, «Multirate loss models under the bandwidth reservation policy", September 2001, (in Greek).

8 AWARDS

8. Best paper award:
G. Amponis, T. Lagkas, D. Karampatzakis, P. Grammatikis, V. Argyriou, **I. D. Moscholios**, S. Goudos and P. G. Sarigiannidis, "Efficient peer-to-peer unicasting for VANET architectures via enhanced monolithic protocols", *Proc. 7th South-East Europe Design Automation, Computer Engineering, Computer Networks and Social Media Conference (SEEDA-CECNSM 2022)*, Ioannina, Greece, 23-25 September 2022

7. Best paper award:
I-A. Chousainov, **I. D. Moscholios**, A. Kaloxylos and M. D. Logothetis, "Performance evaluation of a C-RAN supporting quasi-random traffic", *Proc. IEEE Softcom*, Split, Croatia, 19-21 September 2019.

6. Best paper award:
P. I. Panagoulias, **I. D. Moscholios**, M. D. Koukias and M. D. Logothetis, "A multirate loss model of quasi-random input for the X2 link of LTE networks", *Proc. 17ᵗʰ Int. Conf. on Networks (ICN)*, Athens, Greece, 22-26 April 2018.

5. Best paper award:
V. G. Vassilakis, **I. D. Moscholios**, M. D. Logothetis and M. N. Koukias, "Formal verification of key establishment for dual connectivity in small cell LTE networks", *Proc. 6ᵗʰ Int. Conf. on Communications, Computation, Networks and Technologies INNOV*, Athens, Greece, 8-12 October 2017.

4. Best paper award:
   V. G. Vassilakis, **I. D. Moscholios**, M. D. Logothetis and M. N. Koukias, "A Single-Threshold Model for Handoff Traffic Analysis in Cellular CDMA Networks", Proc. of 10th *Advanced Int. Conf. on Telecommunications*, *AICT*, Paris, France, 20-24 July 2014.

3. Best paper award:
   I. D. Moscholios, V. G. Vassilakis, M. D. Logothetis, J. S. Vardakas, "Bandwidth Reservation in the Erlang Multirate Loss Model for Elastic and Adaptive Traffic", Proc. of 9th *Advanced Int. Conf. on Telecommunications, AICT 2013*, Rome, Italy, 23-28 June 2013.

2. Best paper award:
   J. S. Vardakas, **I. D. Moscholios** and M. D. Logothetis, "An Analytical Study of an all Optical Packet Switch with QoS Support", Proc. of 6th *Advanced Int. Conf. on Telecommunications, AICT 2010*, Barcelona, Spain, 9-15 May 2010.

1. Ericsson Award of Excellence in Telecommunications for my Diploma Thesis entitled: "Determination of Call Blocking Probability and Optimal ABR Traffic Distribution in ATM Networks", University of Patras, Greece, May 2000.

9 RECOGNITIONS AS A REVIEWER

4. Recognized reviewer for the journal of Computer Networks, Elsevier, May 2018.

3. Outstanding Contribution in Reviewing for the journal of Optical Switching and Networking, Elsevier, August 2017.

2. Outstanding Contribution in Reviewing for the journal of Optical Fiber Technology, Elsevier, July 2017.

1. Recognized reviewer for the journal of Microprocessors and Microsystems, Elsevier, March 2017.

10 TECHNICAL REPORTS

2. "QoS Guarantee of Internet services in IEEE 802.11e wireless links: Connection Admission Control and Call Blocking Probability calculation", M. D. Logothetis, J. S. Vardakas, **I. D. Moscholios** and V. G. Vassilakis, November 2006.

1. "Determination of Call Blocking Probability and Optimal ABR Traffic Distribution in ATM Networks", M. D. Logothetis and **I. D. Moscholios,** Proceedings of the Project Karatheodoris, October 2001.

11 MEMBERSHIP

1. Member of the Technical Chamber of Greece (March 2001)

2. IARIA Fellow (2016)

12 PUBLICATIONS

12.1 BOOKS

B2. **I. D. Moscholios**, M. Glabowski, P. G. Sarigiannidis and M. D. Logothetis, (Eds) "Modelling, Dimensioning and Optimization of 5G Communication Networks, Resources and Services, MDPI, January 2023.

B1. **I. D. Moscholios** and M. D. Logothetis, "Efficient multirate teletraffic loss models beyond Erlang", JohnWiley & IEEE Press, Hoboken, NJ, USA, April 2019.

12.2 BOOK CHAPTERS

BC6. A. Liatifis, D. Pliatsios, P. Radoglou-Grammatikis, T. Lagkas, V. Vitsas, N. Katertsidis, **I. D. Moscholios**, S. Goudos and P. Sarigiannidis, "Edge networking technology drivers for next-generation Internet of Things in Terminet Project", Shaping the future of IoT with Edge Intelligence, Ed. R. Sofia and J. Soldatos, River Publishers, October 2023.

BC5. M. D. Logothetis and **I. D. Moscholios**, "Teletraffic models", Wiley StatsRef: Statistics Reference Online (eds N. Balakrishnan, T. Colton, B. Everitt, W. Piegorsch, F. Ruggeri and J.L. Teugels), 2022.

BC4. A. Kaloxylos, P. Spapis and **I. D. Moscholios**, "SDN based session and mobility management in 5G networks", Wiley 5G Ref, Ed. R. Tafazolli, C. Wand and P. Chatzimisios, 2020.

BC3. M. D. Logothetis, V. G. Vassilakis and **I. D. Moscholios**, "Call-level Performance Modeling and QoS Assessment of W-CDMA Networks", Wireless Networks: Research, Technology and Applications, Ed. Jia Feng, Nova Science Publishers, New York, USA, 2009, pp. 57-90.

BC2. **I. D. Moscholios** and M. D. Logothetis, "QoS Guarantee in a Multirate Loss Model of Batched Poisson Arrival Processes", Mobility Management and Quality of Service for Heterogeneous Networks, Ed. D. Kouvatsos, River Publishers, 2009, pp. 387-416.

BC1. V. G. Vassilakis, G. A. Kallos, **I. D. Moscholios** and M. D. Logothetis, "An Analytical Model for Elastic Service-classes in W-CDMA Networks", Performance Modelling and Analysis of Heterogeneous Networks, Ed. D. Kouvatsos, River Publishers, 2009, pp. 277-299.

12.3 JOURNAL PAPERS

J79. G. Amponis, P. I. Radoglou Grammatikis, T. Lagkas, S. Ouzounidis, M. Zevgara, **I. D. Moscholios**, S. Goudos and P. G. Sarigiannidis, "Generating Full-stack 5G Security Datasets: IP-layer and Core Network Persistent PDU Session Attacks", *AEU Int. Journal of Electronics and Communications*, vol. 171, 154913, Nov. 2023. https://doi.org/10.1016/j.aeue.2023.154913

J78. I. P. Keramidi, D. Uzunidis, **I. D. Moscholios**, M. D. Logothetis and P. G. Sarigiannidis, "Analytical modelling of a vehicular ad hoc network using queueing theory models and the notion of channel availability", *AEU Int. Journal of Electronics and Communications*, vol. 170, 154811, Oct. 2023. https://doi.org/10.1016/j.aeue.2023.154811

J77. M. Vlasakis, **I. D. Moscholios**, P. G. Sarigiannidis and M. D. Logothetis, "Performance evaluation of a mobile hotspot supporting quasi-random traffic", accepted for publication in *IET Networks*, 2023. https://doi.org/10.1049/ntw2.12093

J76. G. Amponis, T. Lagkas, V. Argyriou, **I. D. Moscholios**, M. Zevgara, S. Ouzounidis and P. G. Sarigiannidis, "ASSGM-3D: Anchored self-similar 3D Gauss-Markov mobility model for Ad Hoc routing scenarios", accepted for publication in *IET Networks*, 2023. https://doi.org/10.1049/ntw2.12089

J75. V. Moysiadis, G. Kokkonis, S. Bibi, **I. D. Moscholios**, N. Maropoulos and P. Sarigiannidis, "Monitoring Mushroom Growth with Machine Learning", *Agriculture*, 13(1):223, 2023. https://doi.org/10.3390/agriculture13010223

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C53. M. D. Logothetis, **I. D. Moscholios**, A. C. Boucouvalas and J. S. Vardakas, "Delay Performance of WDM-EPON for Multi-dimensional Traffic Under the IPACT Fixed Service and the Multi-Point Control Protocol", *Proc. of 2nd European Teletraffic Seminar*, Blekinge Institute of Technology, Karlskrona, Sweden, 30 September – 2 October,2013.

C52. **I. D. Moscholios**, V. G. Vassilakis, M. D. Logothetis and M. N. Koukias, "QoS Equalization in a Multirate Loss Model of Elastic and Adaptive Traffic with Retrials", *5th Int. Conference on Emerging Network Intelligence, EMERGING 2013*, Porto, Portugal, 29 September – 4 October 2013.

C51. **I. D. Moscholios**, M. D. Logothetis, V. G. Stylianakis and J. S. Vardakas, "The Priority Wavelength Release Protocol for Dynamic Wavelength Allocation in WDM-TDMA PONs Supporting Random and Quasi-Random Bursty Traffic", Proc. of *18th European Conference on Networks and Optical Communications*, *NOC* 2013, Graz, Austria, 10-12 July 2013. DOI: [10.1109/NOC-OCI.2013.6582876](10.1109/NOC-OCI.2013.6582876)

C50. **I. D. Moscholios**, V. G. Vassilakis, M. D. Logothetis, J. S. Vardakas, "Bandwidth Reservation in the Erlang Multirate Loss Model for Elastic and Adaptive Traffic", Proc. of *9th Advanced Int. Conf. on Telecommunications, AICT 2013*, Rome, Italy, 23-28 June 2013 **(best paper award)**.

C49. **I. D. Moscholios** and M. D. Logothetis, "Call-level Performance Analysis of Wired and Wireless Networks", Tutorial in *4th Int. Conference on Emerging Network Intelligence, EMERGING 2012*, Barcelona, Spain, 23-28 September 2012.

C48. **I. D. Moscholios**, J. S. Vardakas, M. D. Logothetis and M. N. Koukias, "A Quasi-random Multirate loss model supporting elastic and adaptive traffic", *Proc. of 4th Int. Conference on Emerging Network Intelligence, EMERGING 2012*, Barcelona, Spain, 23-28 September 2012.

C47. **I. D. Moscholios**, J. S. Vardakas, M. D. Logothetis and A. C. Boucouvalas, "Derivatives of Blocking Probabilities in Multirate Access Tree Networks", *Proc. of IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing – 8th CSNDSP' 2012*, Poznan, Poland, 18-20 July 2012. DOI: 10.1109/CSNDSP.2012.6292664

C46. J. S. Vardakas, **I. D. Moscholios**, M. D. Logothetis and V. G. Stylianakis, "On Code reservation in Multi-rate OCDMA Passive Optical Networks", *Proc. of IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing – 8th CSNDSP' 2012*, Poznan, Poland, 18-20 July 2012. DOI: 10.1109/CSNDSP.2012.6292722

C45. **I. D. Moscholios**, V. G. Vassilakis, J. S. Vardakas and M. D. Logothetis, "Call Blocking Probabilities of Elastic and Adaptive Traffic with Retrials", *Proc. of 8th Advanced Int. Conf. on Telecommunications, AICT 2012*, Stuttgart, Germany, 27 May-1 June 2012.

C44. **I. D. Moscholios**, J. S. Vardakas, M. D. Logothetis and A. C. Boucouvalas, "QoS Guarantee in a Batched Poisson Multirate Loss Model Supporting Elastic and Adaptive Traffic", *Proc. of IEEE ICC 2012*, Ottawa, Canada, 10-15 June 2012. DOI: 10.1109/ICC.2012.6363934

C43. J. S. Vardakas, **I. D. Moscholios**, M. D. Logothetis and V. G. Stylianakis, "Blocking performance of Multi-rate OCDMA PONs", *Proc. of 3rd Int. Conference on Emerging Network Intelligence, EMERGING 2011*, Lisbon, Portugal, 20-25 November 2011.

C42. J. S. Vardakas, I. L. Anagnostopoulos, **I. D. Moscholios**, M. D. Logothetis and V. G. Stylianakis, "A Multirate Loss Model for OCDMA PONs", *Proc. of 13th Int. Conference on Transparent Optical Networks, ICTON 2011*, Stockholm, Sweden, 26-30 June 2011. DOI: 10.1109/ICTON.2011.5970874

C41. J. S. Vardakas, **I. D. Moscholios**, M. D. Logothetis, V. G. Stylianakis and F. Röck, "Evaluation of Dynamic Wavelength Allocation Scenarios in WDM-TDMA PONs Servicing ON-OFF Traffic of Finite Sources", *Proc. of 11th Int. Conference on Telecommunications, ConTEL 2011*, Graz, Austria, 15-17 June 2011.

C40. **I. D. Moscholios**, J. S. Vardakas, M. D. Logothetis and A. C. Boucouvalas, "A Batched Poisson Multirate Loss Model Supporting Elastic Traffic under the Bandwidth Reservation Policy", *Proc. of IEEE International Conference on Communications, ICC 2011*, Kyoto, Japan, 5-9 June 2011. DOI: 10.1109/icc.2011.5962734

C39. **I. D. Moscholios**, V. G. Vassilakis, J. S. Vardakas and M. D. Logothetis, "Retry loss models supporting elastic traffic", *Proc. of 1st European Teletraffic Seminar*, Poznan, Poland, 14-16 February 2011.

C38. **I. D. Moscholios**, V. G. Vassilakis, M. D. Logothetis and A. C. Boucouvalas, "Blocking Equalization in the Erlang Multirate Loss Model for Elastic Traffic", *Proc.*

of 2ⁿᵈ Int. Conference on Emerging Network Intelligence, EMERGING 2010, Florence, Italy, 25-30 October 2010.

C37. F. Röck, J. S. Vardakas, **I. D. Moscholios**, M. D. Logothetis, and E. Leitgeb, "A Simple Analytical Model for the Calculation of Packet Blocking Probability in an Optical Packet Switching Network", *Proc. of PCI 2010 - 14th Panhellenic Conference on Informatics*, Tripolis, Greece, 10-12 September 2010. DOI: 10.1109/PCI.2010.51

C36. **I. D. Moscholios**, J. S. Vardakas, M. D. Logothetis and A. C. Boucouvalas, "QoS Guarantee in the Erlang Multirate Loss Model based on Derivatives of Blocking probabilities", *Proc. of IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing – 7ᵗʰ CSNDSP' 2010*, Newcastle, U.K, 21-23 July 2010. **DOI:** 10.1109/CSNDSP16145.2010.5580312

C35. J. S. Vardakas, **I. D. Moscholios** and M. D. Logothetis, "ON-OFF Traffic Models for a Hybrid TDM-WDM PON with Dynamic Wavelength Allocation", *Proc. of IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing – 7ᵗʰ CSNDSP' 2010*, Newcastle, U.K, 21-23 July 2010. DOI: 10.1109/CSNDSP16145.2010.5580307

C34. J. S. Vardakas, **I. D. Moscholios** and M. D. Logothetis, "An Analytical Study of an all-Optical Packet Switch with QoS Support", *6ᵗʰ Advanced Int. Conf. on Telecommunications, AICT 2010*, Barcelona, Spain, 9-15 May 2010 **(best paper award)**.

C33. V. G. Vassilakis, G. A. Kallos, **I. D. Moscholios** and M. D. Logothetis, "Evaluation of a Call Admission Control Scheme in W-CDMA Cellular Networks", *Proc. of Communication Systems, Networks and Digital Signal Processing – 6ᵗʰ CSNDSP' 2008*, Graz, Austria, 23-25 July 2008. DOI: 10.1109/CSNDSP.2008.4610806

C32. V. G. Vassilakis, G. A. Kallos, **I. D. Moscholios** and M. D. Logothetis, "On the Handoff- Call Blocking Probability Calculation in W-CDMA Cellular Networks", *4ᵗʰ Advanced Int. Conf. on Telecommunications, AICT 2008*, Athens, Greece, 8-13 June 2008.

C31. V. G. Vassilakis, G. A. Kallos, **I. D. Moscholios** and M. D. Logothetis, "Call-Level Analysis of W-CDMA Networks Supporting Elastic Services of Finite Population", *IEEE ICC 2008*, Beijing, China, 19-23 May 2008. DOI: 10.1109/ICC.2008.60

C30. V. G. Vassilakis, G. A. Kallos, **I. D. Moscholios** and M. D. Logothetis, "The Wireless Engset Multi-Rate Loss Model for the Call-level Analysis of W-CDMA Networks", *Proc. of 18ᵗʰ Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications*, *PIMRC 07*, Athens, Greece, 3-7 September 2007. DOI: 10.1109/PIMRC.2007.4394384

C29. M. D. Logothetis and **I. D. Moscholios**, "Call level Multi-Rate Teletraffic Loss Models", <u>Tutorial</u> in *2ⁿᵈ International Conference on Digital Telecommunications, ICDT 2007*, Silicon Valley, USA, 1-6 July 2007.

C28. V. G. Vassilakis, **I. D. Moscholios** and M. D. Logothetis, "Call-level Performance Modeling of Elastic and Adaptive Service-classes" *IEEE International Conference on Communications, ICC 2007,* Glasgow, U.K., 24-28 June 2007. DOI: 10.1109/ICC.2007.38

C27. G. A. Kallos, V. G. Vassilakis, **I. D. Moscholios** and M. D. Logothetis, "Performance Modelling of W-CDMA Networks supporting Elastic and Adaptive Traffic", *Proc. 4ᵗʰ International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '06)*, Ilkley, West Yorkshire, U.K, 11-13 September 2006.

C26. V. G. Vassilakis, **I. D. Moscholios**, M. D. Logothetis and J. S. Vardakas, "Call-level Multi-rate Loss Models for Elastic Traffic", *45th FITCE Congress*, 30 August – 2 September 2006, Athens, Greece.

C25. V. G. Vassilakis, **I. D. Moscholios** and M. D. Logothetis, "The Extended Connection Dependent Threshold Model for Elastic and Adaptive Traffic", *Proc. of Communication Systems, Networks and Digital Signal Processing – 5th CSNDSP' 2006*, Patras, Greece, 19-21 July 2006.

C24. **I. D. Moscholios**, M. D. Logothetis and G. K. Kokkinakis, "A Simplified Blocking Probability Calculation in the Retry Loss Models for Finite Sources", *Proc. of Communication Systems, Networks and Digital Signal Processing – 5th CSNDSP' 2006*, Patras, Greece, 19-21 July 2006.

C23. V. G. Vassilakis, **I. D. Moscholios** and M. D. Logothetis, "Evaluation of Multi-rate Loss Models for Elastic and Adaptive Services", *12th Polish Teletraffic Symposium 2005*, Poznan, Poland, 19-20 September 2005.

C22. **I. D. Moscholios** and M. D. Logothetis, "Call-level blocking of ON-OFF traffic sources in a shared resource environment with batched Poisson arrival processes", *Proc. of 19th International Teletraffic Congress (ITC)*, Beijing, China, 29 August – 2 September 2005.

C21. V. G. Vassilakis, **I. D. Moscholios** and M. D. Logothetis, "Evaluation of Multi-rate Loss Models for Elastic Traffic", *Proc. 3rd International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '05)*, Ilkley, West Yorkshire, U.K, 18-20 July 2005.

C20. **I. D. Moscholios**, M. D. Logothetis and M. N. Koukias, "A State-Dependent Multi-Rate Loss Model of Finite Sources with QoS Guarantee for Wireless Networks", *2nd International Conference on Cybernetics and Information Technologies, Systems and Applications (CITSA 2005)*, Orlando, Florida, USA, July 14 - 17, 2005.

C19. **I. D. Moscholios** and M. D. Logothetis, "The Connection Dependent Threshold Model in a fixed routing network", *5th International Network conference (INC 2005)*, Samos, Greece, 5th – 7th July 2005.

C18. **I. D. Moscholios**, M. D. Logothetis and M. N. Koukias, "An ON-OFF Multi-Rate Loss Model with a Mixture of Service-Classes of Finite and Infinite Number of Sources", *Proc. IEEE International Conference on Communications, ICC 2005,* Seoul, Korea, 16-20 May 2005. DOI: 10.1109/ICC.2005.1494375

C17. **I. D. Moscholios** and M. D. Logothetis, "An ON-OFF multirate loss model of Poisson traffic under the bandwidth reservation policy", *12th GI/ITG Conference on Measuring, Modelling and Evaluation of Computer and Comummunication Systems (MMB) and 3rd Polish-German Teletraffic Symposium (PGTS), MMB&PGTS 2004*, Dresden, Germany, 12-15 September 2004.

C16. M. D. Logothetis, **I. D. Moscholios** and G. K. Kokkinakis, "Improvement of the Connection Dependent Threshold Model with the aid of Reverse Transition Rates",*12th GI/ITG Conference on Measuring, Modelling and Evaluation of Computer and Comummunication Systems (MMB) and 3rd Polish-German Teletraffic Symposium (PGTS), MMB&PGTS 2004*, Dresden, Germany, 12-15 September 2004.

C15. **I. D. Moscholios**, M. D. Logothetis and G. K. Kokkinakis, "A Multirate Batched Poisson Loss Model of ON-OFF traffic sources: Call-level performance evaluation",*Proc. 2nd International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '04)*, Ilkley, West Yorkshire, U.K, 26-28 July 2004.

C14. **I. D. Moscholios** and M. D. Logothetis, "On Bandwidth Reservation in a Multirate Loss Model of Batched Poisson arrival processes", *Proc. 2nd International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '04)*, Ilkley, West Yorkshire, U.K, 26-28 July 2004.

C13. **I. D. Moscholios**, M. D. Logothetis and G. K. Kokkinakis, "The Generalized Max-Min Fairness Policy for Elastic Traffic based on Linear Programming", *Proc. of Communication Systems, Networks and Digital Signal Processing – 4th CSNDSP' 2004*, Newcastle, U.K, 20-22 July 2004.

C12. **I. D. Moscholios** and M. D. Logothetis, "Call-burst blocking of ON – OFF traffic sources under the bandwidth reservation policy", *Proc. of Networking 2004 - 3rd IFIP-TC6 Networking Conference*, Athens, Greece, 9-14 May 2004, pp. 1408-1413.

C11. **I. D. Moscholios** and M. D. Logothetis, "The Connection Dependent Threshold Model for finite sources – A Generalization of the Engset Multirate Loss Model", *Proc. of Networking 2004 - 3rd IFIP-TC6 Networking Conference*, Athens, Greece, 9-14 May 2004, pp. 1414-1419.

C10. **I. D. Moscholios**, P. I. Nikolaropoulos and M. D. Logothetis, "Call level blocking of ON-OFF traffic sources with retrials under the complete sharing policy", *Proc. of 18th International Teletraffic Congress (ITC)*, Berlin, Germany, 31 August – 5 September 2003, pp. 811-820.

C9. **I. D. Moscholios,** M. D. Logothetis, M. N. Koukias and P. I. Nikolaropoulos, "Call–Burst Blocking Probabilities in an ON-OFF Multi-Rate Loss Model of Quasi-Random Input", *Proc. 1st International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '03)*, Ilkley, West Yorkshire, U.K, 21-23 July 2003.

C8. **I. D. Moscholios**, M. D. Logothetis and P. I. Nikolaropoulos, "Call Blocking Probabilities in Multi-Rate State-Dependent Loss Models of Quasi-Random Input", *Proc. 1st International Working Conference on Performance Modelling and Evaluation of Heterogeneous Networks (HET-NETs '03)*, Ilkley, West Yorkshire, U.K, 21-23 July 2003.

C7. M. D. Logothetis, **I. D. Moscholios** and N. Kotzinos, "Network Simulation with Fair Bandwidth Allocation Policy and Centralized Path Bandwidth Control for Elastic Traffic", *Proc. of 10th IEEE International Conference on Software, Telecommunications and Computer Networks – SOFTCOM 2002*, Split, Dubrovnik, Ancona, Venice, 8-11 October 2002, pp. 85-89.

C6. M. D. Logothetis, **I. D. Moscholios** and G. K. Kokkinakis, "A Call Admission Control procedure incorporating a Fair Bandwidth Allocation Policy for telecom networks", *Proc. of Communication Systems, Networks and Digital Signal Processing – 3rd CSNDSP' 2002*, Staffordshire, U.K, 15-17 July 2002, pp. 407-410.

C5. **I. D. Moscholios**, M. D. Logothetis and T. K. Liokos, "QoS Equalization in the Connection Dependent Threshold Model", *Proc. of Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2002*, Staffordshire, U.K, 15-17 July 2002, pp. 442-445.

C4. **I. D. Moscholios**, M. D. Logothetis and G. K. Kokkinakis, "A Parametric Linear Programming Model Describing Bandwidth Sharing Policies for ABR Traffic", *Proc. 8th International Conference on Advances in Communication & Control, COMCON 8, Rethymna, Crete*, Greece, 25-29 June 2001, pp. 505-516.

C3. **I. D. Moscholios** and M. D. Logothetis, "Call-level QoS assessment in ATM networks supporting elastic traffic", *Proc. IEEE International Conference on Communications, ICC 2001, Helsinki*, Finland, 11-14 June 2001. DOI: [10.1109/ICC.2001.937097](10.1109/ICC.2001.937097)

C2. **I. D. Moscholios** and M. D. Logothetis, "Applicability of the extensions of the Erlang Multirate Loss Model on ABR services in ATM Networks", *Proc. London Communication Symposium, London*, U.K, 14-15 September 2000, pp. 123-126.

C1. **I. D. Moscholios**, M. D. Logothetis and S. Katsakioris, "Connection Dependent Threshold Model: A Generalization of the Erlang Multirate Loss Model", *Proc. 10th IFIP Workshop on Performance Modelling and Evaluation of ATM Networks*, Ilkley, West Yorkshire, U.K, 17-19 July 2000.

13 OTHER ACADEMIC ACTIVITIES

13.1 KEYNOTE SPEAKER

1. "Bandwidth Sharing Policies for 4G/5G Networks", in the 6th Int. Conf. on Communications, Computation, Networks and Technologies (INNOV), Athens, Greece, 8-12 October 2017.

13.2 EDITORIAL BOARD MEMBER IN JOURNALS

1. International Journal on Advances in Telecommunications, IARIA.

13.3 GUEST OR ASSOCIATE EDITOR IN JOURNALS

15. **Guest Editor** in *AEÜ - International Journal of Electronics and Communications*, (N. Sagias, I. Moscholios and C. Psychalinos), Special issue on Recent advances towards 5G/6G networks and applications, October/November 2023.

14. **Guest Editor** in the *Journal of Low Power Electronics and Applications*, (K. Psychalinos, N. Sagias and I. Moscholios), Special Issue on Recent Advances on Design of Analog/Digital Circuits for Contemporary Applications, scheduled to be published in February 2023.

13. **Guest Editor** in *Applied Sciences*, (I. Moscholios, M. Glabowski, P. Sarigiannidis, T. Lagkas and M. Logothetis), Special Issue on Intelligent Network Orchestration and Resource Management in 5G/6G Wireless Networks, scheduled to be published in February 2022.

12. **Guest Editor** in *Wireless Communications and Mobile Computing* (P. Sarigiannidis, T. Lagkas, I. Moscholios, V. Argyriou and A. Tsourdos), Special Issue on Unmaned Aerial Vehicle-Enabled Smart Farming: Technologies, Communications and Routing, published in Sept. 2020.

11. **Guest Editor** in *Applied Sciences*, (I. Moscholios, M. Glabowski, P. Sarigiannidis and M. Logothetis), Special Issue on Modelling, Dimensioning and Optimization of 5G Communication Networks, Resources and Services, published in July 2020.

10. **Associate Editor** in *IEICE Transactions on Communications*, Special issue on European ICT R&D Project Activities on Broadband Access Technologies in Conjunction with Main Topics of 2016/2017 IEICE ICT Forum, scheduled to be published in May 2019.

9. **Guest Editor** in *Mobile Information Systems* (together with Prof. M. Glabowski, Prof. P. Zwierzykowski and Dr. H. Gacanin), Annual special issue on Design, Dimensioning

and Optimization of 4G/5G Wireless Communication Networks scheduled to be published in May 2018.

8. **Guest Editor** in *IET Communications*, (together with Prof. W. Gappmair and Prof. B. Adebisi), Special Issue on Satellite-Space Communications and Antennas, vol. 12, issue 1, January 2018.

7. **Guest Editor** in *IET Networks*, (together with Prof. M. Logothetis, Prof. V. Vassilakis and Dr. J. Vardakas), Special Issue on SDN and NFV based 5G Heterogeneous Networks, vol. 6, issue, 6, November 2017.

6. **Guest Editor** in *Mobile Information Systems* (together with Prof. M. Glabowski, Prof. P. Zwierzykowski and Dr. H. Gacanin), Special issue on Design, Dimensioning and Optimization of 4G/5G Wireless Communication Networks, 2017, https://doi.org/10.1155/2017/8057275 .

5. **Guest Editor** in *Image Processing and Communications*, Special Issue on selected and revised papers of IEICE ICTF 2016, vol. 21, no. 2, 2016.

4. **Associate Editor** in *IEICE Transactions on Communications*, Special issue on European ICT R&D Project Activities on Broadband Access Technologies in Conjunction with Main Topics of 2015 IEICE ICT Forum, vol. E99, no. 6, June 2016.

3. **Guest Editor** in *IET Networks*, (together with Prof. M. Glabowski, Prof. P. Zwierzykowski and Prof. M. Logothetis), Special Issue on Network Resource Optimization with Emphasis on Optical Networks, vol. 5, issue 3, May 2016.

2. **Associate Editor** in *IEICE Transactions on Communications*, Special Issue on EU's FP7 ICT R&D Project Activities on Future Broadband Access Technologies in Conjunction with Main Topics of 2013 IEICE ICT Forum, vol. E97, no. 8, August 2014.

1. **Guest Editor** in *IET Networks,* (together with Prof. M. Glabowski and Prof. M. Logothetis), Special Issue on Teletraffic Engineering in Communications Systems, vol. 3, issue 1, March 2014.

13.4 CONFERENCE PROCEEDINGS EDITOR

4. 17th Int. Conference on Networks, ICN, 22-26 April 2018, Athens, Greece (in cooperation with E. Borcoci).

3. 9th Int. Conference on Emerging Networks and Systems Intelligence, EMERGING, 12-16 November 2017, Barcelona, Spain (in cooperation with: M. Leeson και P. Lorenz).

2. 6th Int. Conference on Communications, Computation, Networks and Technologies, INNOV, 8-12 October 2017, Athens, Greece (in cooperation with: K. Patriarchea, A. Kaloxylo and I. Kotenko).

1. IEICE Information and Communations Technology Forum, ICTF 2016, 6-8 July 2016, Patras, Greece (in cooperation with Prof. M. Logothetis).

13.5 TECHNICAL PROGRAMME COMMITTEE CHAIR (TPC CHAIR)

6. Publications co-Chair in the Panhellenic Conference on Electronics and Telecommunicaitons (PACET), 2-3 December 2022, Tripolis, Greece.

5. TPC co-Chair in the IEICE Information and Communications Technology Forum, ICTF 2019, 11-13 September 2019, Bydgoszcz, Poland.

4. TPC co-Chair in the 1st Colloquium on Communication Networks Optimization, co-located with 11th IEEE/IET CSNDSP, 18-20 July 2018, Budapest, Hungary.

3. TPC co-Chair in the IEICE Information and Communications Technology Forum, ICTF 2018, 11-13 July 2018, Graz, Austria.

1. TPC co-Chair in the IEICE Information and Communications Technology Forum, ICTF 2017, 4-6 July 2017, Poznan, Poland.

1. TPC Chair in the IEICE Information and Communications Technology Forum, ICTF 2016, 6-8 July 2016, Patras, Greece (together with Prof. M. Logothetis).

13.6 STEERING COMMITTEE MEMBER

3. International Conference on Emerging Networks and Systems Intelligence (EMERGING)

2. Advanced International Conference on Telecommunications (AICT)

1. International Conference on Digital Communications (ICDT)

13.7 TECHNICAL PROGRAMME COMMITTEE MEMBER (TPC MEMBER)

163. IEEE ICC 2024 (Technical Symposium on Next Generation Networking and Internet), 9 - 13 June 2024, Denver, USA.

162. IEEE ICC 2024 (Technical Symposium of Communications QoS, Reliability and Modeling), 9 - 13 June 2024, Denver, USA.

161. Panhellenic Conference on Electronics and Telecommunicaitons (PACET), 28-29 March 2024, Thessaloniki, Greece.

160. 36th Int. Conf. on Information Networking (ICOIN), 17-19 January 2024, Ho Chi Minh City, Vietnam.

159. IEEE Int. Conference on Consumer Electronics (ICCE) 2024, 6-8 January 2024, Las Vegas, USA.

158. IEEE GLOBECOM 2023 (Communication QoS, Reliability and Modeling), 4-8 December 2023, Kuala Lumpur, Malaysia.

157. IEEE GLOBECOM 2023 (Next Generation Networking and Internet), 4-8 December 2023, Kuala Lumpur, Malaysia.

156. IEEE GLOBECOM 2023 (Wireless Communications), 4-8 December 2023, Kuala Lumpur, Malaysia.

155. 27th Panhellenic Conference on Informatics, PCI 2023, 24-26 November 2023, Lamia, Greece.

154. IEEE Future Networks World Forum (FNWF), 13-15 November 2023, Baltimore, USA.

153. IEEE Conference on Standards for Communications and Networking (CSCN), 6-8 November 2023, Munich, Germany.

152. IEEE Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), 4-6 October 2023, Riga, Latvia.

151. IEEE Mediterranean Conf. on Communications and Networking, 4-7 September 2023, Dubrovnik, Croatia.

150. 9th Int. Workshop on Mobile Applications, 14-16 August 2023, Marrakesh, Morocco.

149. IEEE ICC 2023 (Technical Symposium of Communications QoS, Reliability and Modeling), 28 May-01 June 2023, Rome, Italy.

148. 35th Int. Conf. on Information Networking (ICOIN), 11-14 January 2023, Bangkok, Thailand.

147. IEEE GLOBECOM 2022 (Next Generation Networking and Internet), 4-8 December 2022, Rio de Janeiro, Brazil.

146. IEEE GLOBECOM 2022 (Communication QoS, Reliability and Modeling), 4-8 December 2022, Rio de Janeiro, Brazil.

145. IEEE GLOBECOM 2022 (Wireless Communications), 4-8 December 2022, Rio de Janeiro, Brazil.

144. IEEE Conference on Standards for Communications and Networking, 28-30 November 2022, Thessaloniki, Greece.

143. 26th Panhellenic Conference on Informatics, PCI 2022, 25-27 November 2022, Athens, Greece.

142. 11th IEEE COMNETSAT, Indonesia, online via zoom, 3-5 November 2022.

141. IEEE Future Networks World Forum, 12-14 October 2022, Montreal, Canada.

140. IEEE Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), 5-7 October 2022, Riga, Latvia.

139. International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), 29-30 September 2022, University of Bahrain, Bahrain.

138. IEEE Global Information Infrastructure and Networking Symposium (GIIS 2022), 26-28 September, 2022, Kefallonia, Greece.

137. IARIA Annual Congress on Frontiers in Science, Technology, Services and Applications, 18-22 July, Nice, France.

136. IEEE ICC 2022 (Next-Generation Networking and Internet Symposium), 16-20 May 2022, Seoul, Korea.

135. IEEE ICC 2022 (Technical Symposium of Communications QoS, Reliability and Modeling), 16-20 May 2022, Seoul, Korea.

134. 17th Int. Conference on Digital Communications, ICDT 2022, 24-28 April 2022, Barcelona, Spain.

133. 21st Int. Conference on Networks, ICN 2022, 24-28 April 2022, Barcelona, Spain.

132. 17th Int. Conference on Systems, ICONS 2022, 24-28 April 2022, Barcelona, Spain.

131. 25th Panhellenic Conference on Informatics, PCI 2021, 26-28 November 2021, Volos, Greece.

130. 12th Int. Conference on ICT Convergence (ICTC), 20-22 October 2021, Jeju Island, Korea.

129. IEEE Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), 1-2 October 2021, Riga, Latvia.

128. 4th IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS), 29-30 September 2021, Jakarta, Indonesia.

127. International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), 29-30 September 2021, University of Bahrain, Bahrain.

126. IEEE Mediterranean Conf. on Communications and Networking, 7-10 September 2021, Athens, Greece.

125. 10th IEEE COMNETSAT, Indonesia, online via zoom, 17-18 July 2021.

124. 2nd International Conference on ICT for Rural Development (IC-ICTRuDev 2021)

123. IEEE GLOBECOM 2021 (Next Generation Networking and Internet), 7-11 December 2021, Madrid, Spain.

122. IEEE GLOBECOM 2021 (Communication QoS, Reliability and Modeling), 7-11 December 2021, Madrid, Spain.

121. Int. Conference on Computer Sciences, Networking and Information Security (ICCSNIS), Sousse, Tunisia, 19-22 July 2021.

120. IEEE ICC 2021 (Technical Symposium of Communications QoS, Reliability and Modeling), virtual conference, 14-23 June 2021.

119. Int. Conference on Telecommunications (ICT), 1-3 June 2021, London, U.K.

118. Int. Conference on Artificial Intelligence in Information and Communication, ICAIIC 2021, 20-23 April 2021, Jeju Island, Korea.

117. 16th International Conference on Digital Communications, ICDT 2021, 18-22 April 2021, Porto, Portugal.

116. 33rd Int. Conf. on Information Networking (ICOIN), 12-15 January 2021, Bangkok, Thailand.

115. International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), 20-21 December 2020, University of Bahrain, Bahrain.

114. 9th IEEE COMNETSAT, Indonesia, online via zoom, 17-18 December 2020.

113. IEEE GLOBECOM 2020 (Next Generation Networking and Internet), 7-11 December 2020, Taipei, Taiwan.

112. IEEE GLOBECOM 2020 (Communication QoS, Reliability and Modeling), 7-11 December 2020, Taipei, Taiwan.

111. 3rd IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS), 7-8 December 2020, Jakarta, Indonesia.

110. Int. Conf. Artificial Intelligence and Modern Assistive Technology, 24-26 November 2020, Riyadh, Saudi Arabia.

109. 24st Panhellenic Conference on Informatics, PCI 2020, 20-22 November 2020, Athens, Greece.

108. 2nd Int. Conference Sustainability and Resilience, 11-12 November 2020, University of Bahrain, Bahrain.

107. 6th Int. Symposium on Intelligent Systems Technologies and Applications, ISTA 2020, 14-17 October 2020, Chennai, India.

106. IEEE Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), 1-2 October 2020, Riga, Latvia.

105. IEEE 5G World Forum, 10-12 September 2020, Bangalore, India.

104. 4th Int. Conf. Recent Advances in Signal Processing, Telecommunications and Computing (SigTelCom), 28-29 August 2020, Hanoi, Vietnam.

103. 11th Int. Conf. on Optical Communications (Optics 2020), 8-10 July 2020, Lieusaint-Paris, France.

102. IEEE ICC 2020 (Technical Symposium of Communications QoS, Reliability and Modeling), virtual conference, 7-11 June 2020.

101. 30th Int. Conference on Telecommunications (ICT), 20-22 April 2020, Bali, Indonesia.

100. 2nd Int. Conference on Artificial Intelligence in Information and Communication (ICAIIC 2020), 19-21 Feb. 2020, Fukuoka, Japan.

99. Int. Conf. Computer Applications & Information Security, ICCAIS' 2020, 23-24 Jan. 2020, Paris, France.

98. 32nd Int. Conf. on Information Networking (ICOIN), 8-10 January 2020, Barcelona, Spain.

97. IEEE Global Information Infrastructure and Networking Symposium (GIIS 2019), 18-20 December, 2019, Paris, France.

96. IEEE GLOBECOM 2019 (Communication QoS, Reliability and Modeling), 9-13 December 2019, Hawaii, USA.

95. IEEE GLOBECOM 2019 (Next Generation Networking and Internet), 9-13 December 2019, Hawaii, USA.

94. 23rd Panhellenic Conference on Informatics, PCI 2019, 28-30 November 2019, Nicosia, Cyprus.

93. 2nd IEEE Middle East and North Africa Communications Conference (IEEE MENACOMM'19), 19-21 November 2019, Bahrain.

92. Panhellenic Conference on Electronics and Telecommunications (PACET), 8-9 November 2019, Volos, Greece.

91. 10th Int. Conference on ICT Convergence (ICTC), 16-18 October 2019, Jeju Island, Korea.

90. IEEE Workshop on Microwave Theory and Techniques in Wireless Communications (MTTW), 1-2 October 2019, Riga, Latvia.

89. IEEE 5G World Forum (WF-5G' 19), 30 September – 2 October 2019, Dresden, Germany.

88. International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT), 22-23 September 2019, University of Bahrain, Bahrain.

87. 2nd IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology (AGERS), 26-28 August 2019, Jakarta, Indonesia.

86. 10th Int. Conf. on Optical Communications (Optics 2019), 26-28 July 2019, Prague, Czech Republic.

85. IEEE COMNETSAT, Makassar, Indonesia, 1-3 August 2019.

84. IEEE ICC 2019 (Technical Symposium of Communications QoS, Reliability and Modeling), 20-24 May 2019, Shanghai, China.

83. IEEE GCC Conference and Exhibition, 19-23 April 2019, Kuwait.

82. 29th Int. Conference on Telecommunications (ICT), 8-10 April 2019, Hannoi, Vietnam.

81. International Symposium on Advances in Software Defined Networking and Network Functions Virtualization, SOFTNETWORKING 2019, 24-28 March 2019, Valencia, Spain.

80. 3rd Int. Conf. Recent Advances in Signal Processing, Telecommunications and Computing (SigTelCom), 21-22 March 2019, Hanoi, Vietnam.

79. Int. Conf. Computer Applications & Information Security, ICCAIS' 2019, 19-21 March 2019, Saudi Computer Society, Riyadh, Saudi Arabia.

78. IEEE GLOBECOM 2018 (Next Generation Networking and Internet), 9-13 December 2018, Abu Dhabi, United Arab Emirates.

77. IEEE GLOBECOM 2018 (Communication QoS, Reliability and Modeling), 9-13 December 2018, Abu Dhabi, United Arab Emirates.

76. 22nd Panhellenic Conference on Informatics, PCI 2018, 29 November – 1 December 2018, Athens, Greece.

75. 10th Int. Conference on Emerging Networks and Systems Intelligence, EMERGING 2018, 18-22 November 2018, Athens, Greece.

74. IEEE Int. Conf. Communitions, Networks and Satellite (Comnetsat) 2018, 14-17 November 2018, Medan, Indonesia.

73. Global Information Infrastructure and Networking Symposium (GIIS), 23-25 October 2018, Thessaloniki, Greece.

72. 9th Int. Conf. on Information and Communications Technology Convergence (ICTC 2018), 17-19 October 2018, Jeju Island, Korea.

71. Asia-Pacific Conf. on Geoscience, Electronics, and Remote Sensing Technology (AGERS 2018), 18-19 September 2018, Jakarta, Indonesia.

70. 4th Int. Symposium on Intelligent Systems Technologies and Applications, ISTA 2018, 19-22 September 2018, Bangalore, India.

69. 11th IEEE/IET Int. Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2018, 18-20 July 2018, Budapest, Hungary.

68. IEEE 1st 5G World Forum (WF-5G' 18), 9-11 July 2018, Santa Clara, California, USA.

67. 23th IEEE Symposium on Computers and Communications, IEEE ISCC, 25-28 June 2018, Natal, Brazil.

66. IEEE VTC Fall 2018 (Recent Results and Workshops), 27-30 August 2018, Chicago, USA.

65. IEEE VTC Fall 2018 (Mobile Satellite Systems, Positioning and Navigation), 27-30 August 2018, Chicago, USA.

64. IEEE VTC Spring 2018 (Recent Results and Workshops), 3-6 June 2018, Porto, Portugal.

63. IEEE ICC 2018 (Technical Symposium of Communications QoS, Reliability and Modeling), 20-24 May 2018, Kansas City, USA.

62. International Symposium on Advances in Software Defined Networking and Network Functions Virtualization, SOFTNETWORKING 2018, 22-26 April 2018, Athens, Greece.

61. 32nd Int. Conf. on Information Networking (ICOIN), 10-12 January 2018, Chiang Mai, Thailand.

60. IEEE GLOBECOM 2017 (Next-Generation Networking and Internet), 4-8 December 2017, Singapore.

59. IEEE GLOBECOM 2017 (Communications QoS, Reliability and Modeling), 4-8 December 2017, Singapore.

58. Asia Pacific Microwave Conference (APMC), 13-16 November 2017, Kuala Lumpur, Malaysia.

57. 9th Int. Conference on Emerging Networks and Systems Intelligence, EMERGING 2017, 12-16 November 2017, Barcelona, Spain.

56. Int. Conference on Computer Intelligent Systems and Networking (ICCISN), 3-5 November 2017, Dubai, UAE.

55. IEEE Int. Conf. Communitions, Networks and Satellite (Comnetsat) 2017, 5-7 October 2017, Semarang, Indonesia.

54. 10th Int. Conference on Advances in Circuits, Electronics and Micro-electronics, CENICS 2017, 10-14 September 2017, Rome, Italy.

53. 2017 IEEE Industrial Electronics and Applications Conferences, IEACON, 30 July – 2 August 2017, Kuala Lumpur, Malaysia.

52. 22th IEEE Symposium on Computers and Communications, IEEE ISCC, 3-6 July 2017, Heraklion, Greece.

51. 3rd Int. Symposium on Intelligent Systems Technologies and Applications, ISTA 2017, 13-16 September 2017, Manipal, India.

50. 6th Int. Conference on Advances in Computing, Communications and Informatics, ICACCI 2017, 13-16 September 2017, Karnataka, India.

49. 13th Advanced International Conference on Telecommunications, AICT 2017, 25-29 June 2017, Venice, Italy.

48. IEEE ICC 2017 (Technical Symposium of Communications QoS, Reliability and Modeling), 21-25 May 2017, Paris, France.

47. 24rd International Conference on Telecommunications, ICT 2017, 3-5 May 2017, Limassol, Cyprus.

46. International Symposium on Advances in Software Defined Networking and Network Functions Virtualization, SOFTNETWORKING 2017, 23-27 April 2017, Venice, Italy.

45. 12th International Conference on Digital Communications, ICDT 2017, 23-27 April 2017, Venice, Italy.

44. World Symposium on Computer Applications & Research, WSCAR 2017, 2-4 April 2017, Istanbul, Turkey.

43. IEEE Int. Conf. Communitions, Networks and Satellite (Comnetsat) 2016, 8-10 December 2016, Surabaya, Indonesia.

42. IEEE GLOBECOM 2016 (Communications QoS, Reliability and Modeling), 4-8 December 2016, Washington, DC USA.

41. IEEE Industrial Electronics and Applications Conference (IEACon), 20-22 November 2016, Kota Kinabalu, Malaysia.

40. 20th Panhellenic Conference on Informatics, PCI 2016, 10-12 November 2016, Patras, Greece.

39. 5th Int. Conference on Advances in Computing, Communications and Informatics, ICACCI 2016, 21-24 September 2016, Jaipur, India.

38. 10th IEEE/IET Int. Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2016, 20-22 July 2016, Prague, Czech Republic.

37. 21th IEEE Symposium on Computers and Communications, IEEE ISCC, 27-30 June 2016, Messina, Italy.

36. IEEE ICC 2016 (Technical Symposium of Communications QoS, Reliability and Modeling), 23-27 May 2016, Kuala Lumpur, Malaysia.

35. 12th Advanced International Conference on Telecommunications, AICT 2016, 22-26 May 2016, Valencia, Spain.

34. 23rd International Conference on Telecommunications, ICT 2016, 16-18 May 2016, Thessaloniki, Greece.

33. International Symposium on Advances in Software Defined Networking and Network Functions Virtualization, SOFTNETWORKING 2016, 21-25 February 2016, Lisbon, Portugal.

32. 11th International Conference on Digital Communications, ICDT 2016, 21-25 February 2016, Lisbon, Portugal.

31. 19th Panhellenic Conference on Informatics, PCI 2015, 1-3 October 2015, Athens, Greece.

30. 4th Int. Conference on Advances in Computing, Communications and Informatics, ICACCI 2015, 10-13 August 2015, Kerala, India.

29. 20th IEEE Symposium on Computers and Communications, IEEE ISCC, 6-9 July 2015, Larnaca, Cyprus.

28. 11th Advanced International Conference on Telecommunications, AICT 2015, 21-25 June 2015, Brussels, Belgium.

27. IEEE ICC 2015 (Technical Symposium of Communications QoS, Reliability and Modeling), 8-12 June 2015, London, U.K.

26. 10th International Conference on Digital Communications, ICDT 2015, 19-23 April 2015, Barcelona, Spain.

25. 19th IEEE Int. Workshop on Computer Aided Modeling and Design of Communication Links and Networks (Special Session on Radio-over-fiber access networks: Technologies and Architectures), CAMAD 2014, 1-3 December 2014, Athens, Greece.

24. 9th IEEE/IET Int. Symposium on Communication Systems, Networks and Digital Signal Processing, CSNDSP 2014, 23-25 July 2014, Manchester, U.K.

23. 10th Advanced International Conference on Telecommunications, AICT 2014, 20-24 July 2014, Paris, France.

22. 19th IEEE Symposium on Computers and Communications, IEEE ISCC, 23-26 June 2014, Madeira, Portugal.

21. 9th International Conference on Digital Communications, ICDT 2014, 23-27 February 2014, Nice, France.

20. 7th International Conference on Performance and Security Modelling and Evaluation of Cooperative Heterogeneous Networks (HetNets 2013), 11-13 November 2013, Ilkley, West Yorkshire, U.K.

19. 2nd European Teletraffic Seminar, ETS 2013, 30 September – 2 October 2013, Karlskrona, Sweden.

18. 18th IEEE Symposium on Computers and Communications, IEEE ISCC, 7-10 July 2013, Split, Croatia.

17. 9th Advanced International Conference on Telecommunications, AICT 2013, 23-28 June 2013, Rome, Italy.

16. 8th International Conference on Digital Communications, ICDT 2013, 22-26 April 2013, Venice, Italy.

15. 16th Panhellenic Conference on Informatics, PCI 2012, 5-7 October 2012, Piraeus, Greece.

14. IEEE Symposium on Wireless Technology and Applications, ISWTA 2012, 23-26 September 2012, Bandung, Indonesia.

13. 8th Advanced International Conference on Telecommunications, AICT 2012, 27 May – 1 June 2012, Stuttgart, Germany.

12. 15th Panhellenic Conference on Informatics, PCI 2011, 28 September – 2 October 2011, Kastoria, Greece.

11. 16th IEEE Symposium on Computers and Communications, IEEE ISCC, 28 June – 1 July 2011, Corfu, Greece.

10. 7th Advanced International Conference on Telecommunications, AICT 2011, 20-25 March 2011, St. Maarten, The Netherlands Antilles.

9. 14th Panhellenic Conference on Informatics, PCI 2010, 10-12 September 2010, Tripoli, Greece.

8. 2nd International Conference on Mobile Lightweight Wireless Systems, MOBILIGHT 2010, 10-12 May 2010, Barcelona, Spain.

7. 6th Advanced International Conference on Telecommunications, AICT 2010, 9-15 May 2010, Barcelona, Spain.

6. 4th International Conference on Internet Monitoring and Protection, ICIMP 2009, 24-28 May 2009, Venice, Italy.

5. 5th Advanced International Conference on Telecommunications, AICT 2009, 24-28 May 2009, Venice, Italy.

4. 1st International Conference on Mobile Lightweight Wireless Systems, MOBILIGHT 2009, 18-20 May 2009, Athens, Greece.

3. 3rd International Conference on Internet Monitoring and Protection, ICIMP 2008, 29 June – 5 July 2008, Bucharest, Romania.

2. 2nd International Conference on Internet Monitoring and Protection, ICIMP 2007, July 1-6 2007, Silicon Valley, USA.

1. International Conference on Internet Surveillance and Protection, ICISP 2006, 27-29 August 2006, Côte d'Azur, France.

13.8 CHAIRMAN

19. In the session entitled "**Internet of Things**" of the *Panhellenic Conference on Electronics and Telecommunications*, Tripolis, Greece, 2-3 December 2022.

18. In the session entitled "**Embedded Systems**" of the *Panhellenic Conference on Electronics and Telecommunications*, Tripolis, Greece, 2-3 December 2022.

17. In the session entitled **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2022 conference*, Porto, Portugal, 20-22 July 2022.

16. In session 2 of the IEICE ICTF, Bydgoszcz, Poland, 11-13 September 2019.

15. In the session entitled "**Colloquium on Communication Networks Optimization 4**", of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2018 conference*, Budapest, Hungary, 18-20 July 2018.

14. In session 3 of the IEICE ICTF, Poznan, Poland, 4-6 July 2017.

13. In the session entitled **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2016 conference*, Prague, Czech Republic, 20-22 July 2016.

12. In the session entitled **"SDN and NFV for Satellite Infrastructures"** of the IEICE ICTF, Patras, Greece, 6-8 July 2016.

11. In the session entitled **"Teletraffic"** of the IEICE ICTF, Patras, Greece, 6-8 July 2016.

10. In the session entitled **"Wireless Networks"** of the IEICE ICTF, Patras, Greece, 6-8 July 2016.

9. In the session, entitled "**Design, Modeling and Analysis of Network, Services and Systems**", of the *19th IEEE CAMAD 2014*, Athens, Greece, 1-3 December 2014.

8. In the session, entitled **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2014 conference*, Manchester, U.K, 23-25 July 2014.

7. In the session, entitled **"Signal processing, protocols and standardization II"** of the *10th Advanced Int. Conf. on Telecommunications, AICT 2014*, Paris, France, 20-24 July 2014.

6. In the session, entitled **"Communications 2"** of the IEICE ICTF conference, Poznan, Poland, 28-30 May 2014.

5. In the session, entitled: "**Tools**" of the 2nd European Teletraffic Seminar, Karlskrona, Sweden, 30 September – 2 October 2013.

4. In the session, entitled: "**Human Centered Technologies**", of the *9th Advanced Int. Conf. on Telecommunications, AICT 2013*, Rome, Italy, 23-28 June 2013.

3. In the session, entitled: **"Advanced Network Elements"** of the *4th Int. Conference on Emerging Network Intelligence, EMERGING 2012*, Barcelona, Spain, 23-28 September 2012.

2. In the session, entitled: **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2012 conference*, Poznan, Poland, 18-20 July 2012.

1. In the session, entitled: **"Teletraffic Models"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2006 conference*, Patras, Greece, 19-21 July 2006.

13.9 CONFERENCE COLLOQUIUM ORGANISER

1. Of the colloquium entitled "**Communication Networks Optimization**", of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2018 conference*, Budapest, Hungary, 18-20 July 2018.

13.10 CONFERENCE SESSION ORGANISER

7. Of the session, entitled: **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2022 conference*, Porto, Portugal, 20-22 July 2022.

6. Of the session, entitled: "**Satellite and Space Communications**", of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2020 conference*, Porto, Portugal, 20-22 July 2020.

5. Of the session, entitled: "**Modelling and Optimization of 5G Communication Networks**" of Panhellenic Conference on Electronics and Communications (PACET), Volos, Greece, 8-9 November, 2019.

4. Of the session, entitled: **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2016 conference*, Prague, Czech Republic, 20-22 July 2016.

3. Of the session, entitled **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2014 conference*, Manchester, U.K, 23-25 July 2014.

2. Of the session entitled **"Teletraffic Models, Traffic Engineering and Network Optimization"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2012 conference*, Poznan, Poland, 18-20 July 2012.

1. Of the session entitled **"Teletraffic Models"** of the *Communication Systems, Networks and Digital Signal Processing - CSNDSP' 2006 conference*, Patras, Greece, 19-21 July 2006.