

CURRICULUM VITAE

VASOS VASSILIOU

ADDRESS

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RESEARCH INTERESTS

Protocol Design and Performance aspects of Networks (fixed, mobile, wireless), in particular:

- Internet of Things
- Wireless Sensor Networks
- Cyber-Physical Systems
- Mobility Management
- Reliability and Performance Control
- QoS Adaptation and Control
- Network Security and Intrusion Detection Systems

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Ph.D. in Electrical Engineering and Computer Engineering, August 2002

Georgia Institute of Technology, Atlanta, GA

MSc degree in Electrical Engineering, June 1999

University of South Florida, Tampa, FL

BSc degree in Electrical Engineering, May 1997

Higher Technical Institute, Nicosia, Cyprus

HND diploma in Electrical Engineering, June 1993

PROFESSIONAL EXPERIENCE

9/19 – now **University of Cyprus**, Nicosia, Cyprus

Associate Professor, Computer Science Department
Co-Director of Networks Research Laboratory
Chairman of Graduate Program Committee

- 11/17 – now **CYENS Center of Excellence** in Research and Innovation on Interactive Media, Smart Systems and Emerging Technologies, Nicosia, Cyprus
 Founding Academic Member & Research Group Leader, Smart Networked Systems Group
- 9/16 – now **Cyprus National Research and Educational Network (CyNet)**, Nicosia Cyprus. (Appointed to the board by the Senate of the University of Cyprus)
 Vice-chairman of the Board of Directors (Feb. 2021 – now)
 Chairman of the Board of Directors (Sep. 2016 – Feb 2021)
Guiding the National Research and Educational Network (NREN) to meet the challenges of the Future Internet. Overseeing the Establishment of an Academic Cybersecurity Incident Response Team (CSIRT) with 680K Euro funding.
- 8/11 – 9/19 **University of Cyprus**, Nicosia, Cyprus
 Assistant Professor, Computer Science Department
 Co-Director of Networks Research Laboratory
- 12/13 – 1/17 **UBINEC Ltd**, Paphos, Cyprus
 Co-Founder and Chief Scientific Officer
Scientific Overview and Business Development of the VIRIDOM Home Energy Management solution.
- 9/13 – 6/16 **Open University of Cyprus**, Nicosia, Cyprus
 Adjunct Faculty, Information and Communication Systems Program and Wireless Communications Systems Program
- 8/05 – 8/11 **University of Cyprus**, Nicosia, Cyprus
 Lecturer, Computer Science Department
- 1/04 – 8/05 Visiting Lecturer, Computer Science Department
- 1/03 – 5/03 **University of Cyprus**, Nicosia, Cyprus
 Adjunct Professor, Computer Science Department
- 9/02 – 1/04 **Intercollege**, Nicosia, Cyprus
 Assistant Professor, Computer Science Department
- 9/00 – 8/02 **Georgia Institute of Technology**, Atlanta, GA
 Graduate Research Assistant, Computer Networking Lab
Researcher on Siemens AG project: "Methods for Flexible Rerouting in DiffServ/MPLS based Radio Access Networks." Work focused on the development of a suitable signaling protocol for an MPLS/DiffServ architecture with mobility handled by Mobile IP.
- 9/99 – 9/00 Graduate Research Assistant, Mobile Multimedia and High Speed Networking Lab
Researcher on NSF project: "Issues on QoS Stability, Sensitivity, Flow and Congestion Control in Wireless Broadband Networks." Work focused on Wireless ATM and the characterization of events during QoS adaptation using control theory concepts and techniques
Evaluated the performance of the ABR ad hoc network testbed.
- 1/99 – 6/99 Special Projects in Ad-Hoc Networks, Mobile Multimedia and High Speed Networking Lab
Participated in the implementation of the Associativity Based Routing (ABR) Protocol into a testbed comprised of laptop computers.

Evaluated the effects of periodic beaconing on the battery life of laptop computers when forming an ad-hoc network.

Investigated the field of ad hoc networks for wireless ATM.

1/99 – 6/99 **BellSouth Mobility DCS**, Atlanta, GA

6/98 – 9/98 RF Engineer (Co-op)

Performed propagation studies using PlaNet™. Evaluated potential cell site locations.

Analyzed drive test data for system optimization. Performed statistical analysis of network traffic and forecasting. Generated monthly coverage reports and maps using MapInfo™

9/98 – 12/98 **Nortel Networks, Linecard Development Group**, Alphar., GA

Firmware Engineer (Co-op)

Installed a new Automated Testing Platform for the Linecard products. Assisted in the design testing of the Japanese version of a linecard.

1/98 – 6/98 **Georgia Institute of Technology**, Atlanta, GA

Graduate Teaching Assistant, School of Electrical and Computer Engineering

MEMBERSHIPS

- **Senior Member, Institute of Electrical and Electronics Engineers (IEEE)**, since April 2019; Member 2002-2019, Student Member 1997-2002. Membership#: 40198164.
- **Senior Member, Association for Computing Machinery (ACM)**, since June 2019; Member 2002-2019; Student Member 1997-2002. Membership#: 5245345.
- Elected **Member of the Executive Committee of the IEEE Cyprus Section**, since 2010
- Elected **Treasurer of the Executive Committee of the IEEE Cyprus Section**, Jan 2018 – Jan 2020
- Elected **Chair of the Communications Chapter, Cyprus Section** since 2013
- Academic Advocate of the Information Systems and Control Association (ISACA), since 2013
- Member of the IBM Academic Initiative, since 2013

HONORS and AWARDS

- **3rd Prize** in Cyprus Entrepreneurship Competition 2021 for the Business Idea: IDS4IoT Cybersecurity Solution for the Internet of Things, December 15, 2021, Nicosia, Cyprus.
- **Best Paper Award** for paper "*Social-Aware Clustering for D2D Multicast Content Sharing in 5G Networks*" at Global Information Infrastructure Networking Symposium (GIIS 2020), October 28-30, 2020, Tunis, Tunisia
- **6th place (out of 44) in Cyprus Seeds 2020 Grant Evaluation** for the proposal for IDS4IoT related to the commercialization plans of the work on IoT Security. September 2020, Nicosia, Cyprus.

- **1st Prize Award for Best Poster/Demo in the Innovation Track** for the work "*Lightweight Intrusion Detection System for WSNs and the Internet of Things*" at the 4th Innovation and Entrepreneurship Forum 2019, University of Cyprus, April 19, 2019.
- **Best Paper Award** for paper "*Estimating Queue Formation Rate in Wireless Sensor Networks Using a Fluid Dynamic Model*" at 20th IEEE International Symposium on Computers and Communication (ISCC '15), 6-9 July 2015, Larnaca, Cyprus
- Recipient of partial **Cyprus-America Scholarship** for Graduate Studies funded by the U.S. Agency for International Development. Administered in Cyprus by the **Fulbright Commission**, 1997-1999.

RESEARCH PROGRAM PARTICIPATION

Current European Projects:

01/23 – 12/25 **ADROIT-6G Distributed Artificial Intelligence-driven open and programmable architecture for 6G networks** (HORIZON-JU-SNS-2022-STREAM-B-01-01), **PI**

01/23 – 12/26 **METACITIES - MetaCities Excellence Hub in South-Eastern Europe.** (HORIZON-WIDERA-2022-ACCESS-04-01), **PI**

02/19 – 07/22 **CyberSec4Europe: Establishing and operating a pilot for a Cybersecurity Competence Network to develop and implement a common Cybersecurity Research and Innovation Roadmap.** (H2020/SU-ICT-03-2018), **Participant**

11/17 – 10/24 **RISE - Centre of Excellence on Interactive Media, Smart Systems and Emerging Technologies** (H2020, Widening Participation Teaming Project, Grant Agreement 739578), **co-PI, Scientific and Technical Committee, Group Leader.**

Past European Projects:

01/21 – 09/22 **CYBERSAFETY III– Safer Internet for Kids** continuation (CEF TELECOM, DSI: Safer Internet, Grant Agreement 2020-CY-IA-0069), **co-PI**

09/18 – 05/21 **Establishment of Cypriot Academic CSIRT** (CEF TELECOM, DSI: Cyber Security, Grant Agreement 2017-CY-IA-0121), **PI.**

05/18 – 04/21 **DELTA - Future tamper-proof Demand rEsponse framework through seLf-configured, self-opTimized and collAborative virtual distributed energy nodes** (H2020, LCE01, Grant agreement ID: 773960), **Participant.**

01/19 – 12/20 **CYBERSAFETY II– Safer Internet for Kids** continuation (CEF TELECOM, DSI: Safer Internet, Grant Agreement 2018-CY-IA-0012), **co-PI**

- 12/17 – 11/20 **SENDING – Sector Skills Alliance for the Design and Delivery of Innovative VET Programs to Data Science and Internet of Things Professionals** (ERASMUS+ KA2, Grant Agreement 2017-3184/001-001), **PI**.
- 01/17 – 06/20 **VISORSURF - A Hardware Platform for Software-driven Functional Metasurfaces**, (H2020, Future Emerging Topics call (FETOPEN), Grant Agreement no. 736876), **Participant**.
- 07/16 – 12/18 **CYBERSAFETY – Safer Internet for Kids** (CEF TELECOM, DSI: Safer Internet, Grant Agreement 2015-CY-IA-0034), **co-PI**
- 09/08 – 02/12 **GINSENG - Performance Control in Wireless Sensor Networks**, (FP7 ICT, 2008-1011, Grant Agreement 224282), **PI**
- 03/08 – 03/10 **C-CAST - Context Casting providing an end-to-end context-aware communication framework** (FP7 ICT, 2008-2010, Grant agreement 216462), **co-PI**.
- 03/06 – 02/08 **C-MOBILE - Advanced MBMS for the Future Mobile World**. (FP6 IST 2006-2008, Grant agreement 027423), **Participant**
- 03/04 – 06/06 **B-BONE: Broadcasting and Multicasting over Enhanced UMTS Mobile Broadband Networks** (FP6 IST 2004-2006, Grant agreement 507607), **Participant**
- 09/02 – 05/04 **SEACORN: Simulation of Enhanced UMTS access and CORE Networks** (FP5 IST 2001-2004 Grant agreement 34900), **Participant**

European Networks of Excellence:

- 01/06 – 02/08 **CRUISE**, CReating Ubiquitous Intelligent Sensing Environments (Network of Excellence on the Application and Communication aspects of Wireless Sensor Networking (FP6 NoE), **PI**.
- 01/04 – 06/06 **E-NEXT**: Network of Excellence in Emerging Networking Experiments and Technologies (FP6-NoE), **PI**.
- 05/04 – 11/04 **NEXWAY**: Network of Excellence in Wireless Applications and Technology (FP5-NoE), **co-PI**.

Locally-Funded Projects:

- 01/22 – 12/22 **BLUEPARK**: Island-Wide Smart Parking Applications for Disabled Persons (CYENS), **PI**.
- 12/21 – 12/23 **CTIP**: Cyber-Threat Intelligence Platform, (Digital Security Authority), **PI**.

- 02/21 – 01/23 **ICTOU**: Information and Communication Technologies Observatory Update (Electronic Communications Commissioner’s Office), **PI**.
- 04/20 - 03/22 **IDS4IoT**: Computational and Artificial Intelligence Solutions for Intrusion Detection in Internet of Things (UCY Post Doctoral ONISILOS Grant to Dr. Christiana Ioannou), **PI**.
- 05/19 - 04/21 **SMIDS**: Detecting Malicious Interventions in Wireless Sensor Networks and the Internet of Things (UCY Internal Grant), **PI**.
- 01/09 – 02/11 **MIND2C**: Mimicking Nature for Designing Robust Congestion Control Mechanisms in Self-Organized Autonomous Decentralized Networks (Cyprus Research Promotion Foundation– ΤΠΕ/ΕΠΙΚΟΙ/0308(BE)/03), **co-PI**.
- 10/05 – 03/09 **NET6**: Next Generation IPv6 Research Network. (Cyprus Research Promotion Foundation – ΕΡΥΔΙ/0205/06), **PI**.
- 10/04 – 10/06 **BINTEO**: VIDEO Distribution in New-Generation Mobile Cellular Networks (GPRS/UMTS) (Cyprus Research Promotion Foundation – ΠΛΗΡΟ/0104/12), **co-PI**.
- 10/04 – 10/06 **ADAVIDEO**: Adaptive Methods for the Transmission of Video Streams in Wireless Networks, University of Cyprus, Small Research Projects, **co-PI**.

COST Actions:

- 05/21 – 04/25 **COST CA20120**: Intelligence Enabling-Radio Communications for Seamless Inclusive Interactions (**INTERACT**), **MC Member**
- 03/16 – 03/20 **COST CA15104**: Inclusive Radio Communication Networks for 5G and beyond (**IRACON**), **MC Member**
- 05/11 – 05/15 **COST IC 1004**: Cooperative Radio Communications for Green Smart Environments, **MC Member**
- 11/10 – 11/14 **COST IC 1003**: European Network on Quality of Experience in Multimedia Systems and Services (**Qualinet**), **MC Member**
- 05/10 – 05/14 **COST IC 0906**: Wireless Networking for Moving Objects (**WiNeMO**), **Substitute MC Member**
- 12/06 – 12/10 **COST IC 2100**: Pervasive Mobile & Ambient Wireless Communications, **MC Member**
- 06/04 – 06/08 **COST 290**: Traffic and QoS Management in Wireless Multimedia Networks (**Wi-QOST**), **Substitute MC Member**

ADMINISTRATIVE EXPERIENCE - UNIVERSITY COMMITTEES

- **Co-Director, Networks Research Laboratory** – NetRL (since 2005)

- **Member of the Senate Committee on “Information Systems”** as the representative of the School of Theoretical and Applied Sciences (Sept. 2019 – May 2023)
- **Chair of the Postgraduate Studies Committee** of the Department of Computer Science (since Nov. 2019)
- **Member of the Council of the Graduate School** of the University of Cyprus (since Nov. 2019)
- **Member of the Postgraduate Studies Committee** of the Department of Computer Science (Nov. 2012 – Nov. 2019)
- **Vice Chairman of the Board of Directors of the Cyprus National Research and Educational Network (CyNet)**. Appointed to the board by the Senate of the University of Cyprus (since Feb. 2021)
- **Chairman of the Board of Directors of the Cyprus National Research and Educational Network (CyNet)**. Appointed to the board by the Senate of the University of Cyprus (Sep. 2016 – Feb 2021)
- **Member of the Senate Committee on “Campus Organization and Building Development (EOKTA)”** as the representative of the School of Theoretical and Applied Sciences (Sept. 2017-Sept. 2020)
- **Member of the Senate Committee on “International Relations”** as the representative of the School of Theoretical and Applied Sciences (April 2016-June 2019)
- **Member of the Board of Directors of the Centre for Teaching & Learning** as the representative of the School of Theoretical and Applied Sciences (April 2017-July 2018)
- **Member of the Council of the School of Pure and Applied Sciences**, as the representative of the CS department (Jan. 2013 – Jan. 2015)
- **Member of the Senate Committee on “Public Relations”** as the representative of the School of Theoretical and Applied Sciences (April 2013 – April 2015)
- **Member of the Senate Committee on “University and the Society”** as the representative of the School of Theoretical and Applied Sciences (April 2013 - April 2015)
- **Member of the “Student Disciplinary Committee” of the Senate**, as the representative of the School of Theoretical and Applied Sciences (March 2011 - March 2013)
- **Member of the Office for Alumni Affairs** as the representative of the School of Theoretical and Applied Sciences (2008-2012)
- **Coordinator of the High School Teachers’ Pre-Service Program** for the Department of Computer Science (2007-2010)

- **Committee Chair of the Organizing Committee for the Annual "LOGIPAIGNION" Computer Games Competition** (2010, 2011, 2012, 2017, 2020)
- **Organizing Committee member** for the Annual "LOGIPAIGNION" Computer Games Competition (2009, 2013, 2016)

PROFESSIONAL SERVICES AND TECHNICAL CONSULTING

- **Mentor** of Junior Achievement JA StartUP Program (2021)
- **Member of External Advisory Board** of ENTRANCE Erasmus+ Key Action 2 Strategic Partnerships 2020 Programme (Nov. 2020 – Oct. 2022)
- **Mentor** of Cyprus Entrepreneurship Competition (CyEC) Program (Fall 2020)
- **Juror** of EUvsVirus Hackathon, Health & Life Domain (April 2020)
- **Hiring Committee External Member** at Neapolis University Paphos for the position of Lecturer in Distributed Systems/Databases/Big data (Jan 2019)
- **Member of** KY.Σ.A.T.Σ (Cyprus Council for the Recognition of Higher Education Qualifications) Judgment and Review Committees for Computer Engineering degrees (since 2012 - 2018)
- **EUROSTARS Technical Expert** (January 2013 -), evaluated proposals in the 4th (10/2015), 5th (10/2016), 11th (10/2019), 10th (Feb 2021) cut-offs
- **Independent Expert** for the evaluation of proposals for Qatar National Research Fund **Q NRF** (2021)
- **Independent Expert** for the evaluation of proposals for the Credits & Projects 2018 Program of the Fund for Scientific Research – **FNRS Belgium** (2018)
- **Technical Expert** for the evaluation of proposals submitted to the Ministry of Commerce, Cyprus under the program "Support of Business Innovation" (2016-2017)
- **Technical Expert** for the evaluation of proposals submitted to the Ministry of Commerce, Cyprus under the program "Support of Business Innovation" (2012-2013)
- **Independent Expert** for the evaluation of proposals for the Universitas Seed Grant program of the University of **Nicosia Research Foundation** (2016)
- **Appointed Member by the Council of Ministers of the Republic of Cyprus** to the Advisory Board of the **Office of the Commissioner for Electronic Communications and Postal Regulation (OCECPR)** of Cyprus (July 2012 – July 2014)
- **Independent Expert** for the evaluation of proposals for the **METRANS** Transportation Center (2014)
- **Independent Expert** for the evaluation of proposals for the **Croatian Science Foundation (CSF)** (2011)

- **Independent Expert** for the Evaluation of proposals in the Physical Sciences division of the Free Competition of the **Netherlands Organization for Scientific Research (NWO)** (2009)
- **Technical consultant** of the Cyprus Police Force (Sector D, Telecommunications Department) for the GPS-based Navigation and Fleet Control System and Automatic Number Plate Recognition Systems (2008)
- **External Assessor** for MSc in Computer Science with concentrations in Cyber Security, Mobile Systems at University of Nicosia, Cyprus (August 2014)
- **External Assessor** for M.Sc. Program in Applied Science (Software and Systems for Mobile Networks) at University College Cork, Ireland (March 2009)
- **External Assessor** for Diploma Program in Information and Communication Technologies at Intercollege, Cyprus (April 2006)

ENTREPRENEURIAL ACTIVITY

At the end of 2013, I became part of the UBINEC team, acting as a Scientific Advisor and eventually getting equal stake in the company. I helped define the company's business model and create the VIRIDOM product.

VIRIDOM is a B2B SaaS for energy management and energy efficiency for residential and small commercial buildings. VIRIDOM is complementary to many technological developments in the energy and smart home sectors and facilitates the energy transition for the end-users.

VIRIDOM handles large amounts of energy-related and other relevant data from different sources. It is an alternative to offline and historical big data analysis. The goal is to provide energy and/or cost reduction for the end-user. At the core of VIRIDOM is a real time optimization engine processing the data with a set of intelligent algorithms. The algorithms automate the balancing between the required level of comfort and cost, and use, store, or offer back to the grid energy in the most efficient way. The VIRIDOM solution is modular and works with thermostats, EV charging stations, home appliances, home automation units, solar PV systems and different types of storage devices, depending on the requirements of our partners.

VIRIDOM's Achievements:

- **Accepted and Accelerated** at the Climate KIC RIS Stage 2 Program, Limassol, Cyprus, Oct-Dec 2016
- **1st Prize Winner** - INNEON EcoInnovation Award, Jan. 2016
- **Accepted and Accelerated** at the **2015 Rockstart Smart Energy Accelerator** in Amsterdam, Jan-Jun. 2015 (9 selected between more than 200 applications worldwide) – **1Million Euro Pre-money Valuation**
- **Finalist** in the GR/CY CleanLaunchpad 2014 Competition (8 selected among 43 applications)
- **3rd Prize Winner** - Cyprus Entrepreneurship Competition (CyEC'14)
- **2nd Place award** - Digital Championship of Cyprus, 2014
- **2nd Place award** - Startup Weekend Cyprus, December 2013

JOURNAL EDITORIAL BOARDS

- Guest Editor of **Sustainable Computing: Informatics and Systems (SUSCOM)**, Elsevier (August 2021)
- Associate Editor of **Computers Journal, MDPI**, (April 2020)
- Guest Editor for Special Issue "Responsible Smart Information Systems", **American Journal of Networks and Communications**, Science Publishing Group.
- **Guest Editor** for Special Issue "Machine Learning for Intelligent Wireless Communications and Networking", **Annals of Telecommunications**, Springer.
- **Associate Editor** of the **Journal of Computer Communications**, Elsevier (since 2018)
- **Associate Editor** of the **Journal of Telecommunication Systems**, Modeling, Analysis, Design and Management, Springer (2006-)

CONFERENCE ORGANIZATION (last 3 years)

- **Steering Committee Member**, Mediterranean Communications Networking Conference (**MED-COM-NET**), Since 2019.
- **General Co-Chair**, IEEE 19th International Conference on Distributed Computing in Sensor Systems (**DCOSS 2023**), June 2023, Paphos, Cyprus.
- **General Co-Chair**, 20th Mediterranean Communication and Computer Networking Conference (**MedComNet 2022**), June 2022, Paphos, Cyprus.
- **Workshop Co-Chair**, 3rd Workshop on Intelligent Systems for IoT (**ISIoT 2021**), May 2021, Paphos, Cyprus. (in conjunction with DCOSS '21)
- **Special Sessions Chair**, 18th Mediterranean Communication and Computer Networking Conference (**MedComNet 2020**), ONLINE EVENT, 17-19 June, 2020.
- **Poster and Demo Chair**, IEEE 16th International Conference on Distributed Computing in Sensor Systems (**DCOSS 2020**), ONLINE EVENT, June 15-17 2020.
- **Workshop Co-Chair**, 2nd International Workshop on Intelligent Systems for IoT (**ISIoT 2020**), June 15-17, ONLINE EVENT (in conjunction with DCOSS '20).
- **Steering Committee Member**, Mediterranean Communications Networking Conference (**MED-COM-NET**), Since 2019.
- **Workshops and Special Sessions Co-Chair**, IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks, (**CAMAD2019**), 11-13 September 2019, Limassol, Cyprus.
- **Workshop Co-Chair**, 1st International Workshop on Intelligent Systems for IoT (**ISIoT 2019**), 28-31 May 2019, Santorini, Greece. (in conjunction with DCOSS '19)

TECHNICAL PROGRAM COMMITTEE MEMBERSHIP (last 3 Years)

CSI 2022 - International Conference on Connected Systems and intelligence, 31 Aug-2 Sep. 2022, Kerala, India

MEDCOMNET 2022 - 20th Mediterranean Communication and Computer Networking Conference, 5-10 June, 2022, Paphos, Cyprus.

IEEE DCOSS 2022 - IEEE 16th International Conference on Distributed Computing in Sensor Systems, 30 May-2 June, Marina Del Ray, USA.

IEEE ICC 2022 – IEEE International Conference on Communications, 16-20 May 2022, Seoul, South Korea (CRAIN, MWN, CCNS, QCC, DDINS)

IEEE WCNC 2022 - IEEE Wireless Communications and Networking Conference, April 10-13, 2022, Austin, USA

IEEE GLOBECOM 2021 - IEEE Global Communications Conference, 7 - 11 December 2021, Madrid, Spain

IEEE ISNCC 2021 - IEEE International Symposium on Networks, Computers and Communications, 31 Oct-2 Nov. 2021, Dubai, UAE.

IEEE PIMRC 2021 – 32nd Annual International Symposium on Personal, Indoor and Mobile Radio Communications, 13-16 September 2022, Helsinki, Finland.

MoCS 2021 - 11th Workshop on Management of Cloud and Smart City Systems, September 5, 2021, Athens, Greece.

IEEE DCOSS 2021 - IEEE 17th International Conference on Distributed Computing in Sensor Systems, July 14-16, 2021.

IEEE ICC 2021 – IEEE International Conference on Communications, 14-18 June 2021, Montreal, Canada

IEEE WCNC 2021 - IEEE Wireless Communications and Networking Conference, 29 March - 1 April 2021, Nanjing, China

IEEE GLOBECOM 2020 - IEEE Global Communications Conference. 7-11 December 2020, Taipei, Taiwan

IEEE ISNCC 2020 - IEEE International Symposium on Networks, Computers and Communications, 20-22 October 2020, Montreal, CA

COCONET 2020 - Fourth International Conference on Computing and Network Communications, October 14-17, 2020, Chennai, India.

ICT 2020 - 27th International Conference on Telecommunications, 5-7 October, 2020, Bali, Indonesia

IEEE PIMRC 2020 - 31st Annual International Symposium on Personal, Indoor and Mobile Radio Communications, 31 August-3 September 2020, Virtual Conference

IEEE ISCC 2020 – 25th IEEE Symposium on Computers and Communications, July 8-10, 2020, Rennes, France

IEEE INFOCOM 2020 - IEEE International Conference on Computer Communications, 6-9 July 2020, Toronto, ON, Canada

MEDCOMNET 2020 - 18th Mediterranean Communication and Computer Networking Conference, 17-19 June, 2020, Virtual Conference.

IEEE DCOSS 2020 - IEEE 16th International Conference on Distributed Computing in Sensor Systems, June 15-17 2020, Virtual Conference.

IEEE ICC 2020 – IEEE International Conference on Communications, 7 - 11 June 2020, Dublin, Ireland

IEEE GLOBECOM 2019 - IEEE Global Communications Conference. 9-13 December 2019, Waikoloa, HI, USA

COCONET 2019 - Third International Conference on Computing and Network Communications, December 18-21, 2019, Kerala, India.

IEEE APACE 2019 - 2019 IEEE Asia-Pacific Conference on Applied Electromagnetics, 25 - 27 Nov 2019, Malaysia.

IEEE MENACOM 2019 - Middle East & North Africa COMMUNICATIONS Conference, 19-21 November 2019, Manama, Bahrain

IEEE ICCVE 2019 - International Conference on Connected Vehicles and Expo, 4-8 November 2019, Graz, Austria

IEEE CAMAD 2019 - IEEE International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks, 11-13 September 2019, Limassol, Cyprus.

IEEE PIMRC 2019 - 30th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, September 8-11, 2019, Istanbul, Turkey.

IEEE ISCC 2019 - 24th Symposium on Computers and Communications, June 29- July 3, 2019, Barcelona, Spain.

ISNCC 2019 - International Symposium on Networks, Computers and Communications, 18-20 June 2019, Istanbul, Turkey.

IEEE DCOSS 2019 - 15th International Conference on Distributed Computing in Sensor Systems, May 29-31 2019. Santorini Island, Greece

ICC MWN 2019 - 53rd IEEE International Conference on Communications, Mobile and Wireless Networks Symposium, 20-24 May 2019, Shanghai, China

IEEE ICC DDINS 2019 - 53rd IEEE International Conference on Communications, 1st International Workshop on Data Driven Intelligence for Networks and Systems, 20-24 May 2019, Shanghai, China

IEEE VTC-Spring 2019 - IEEE 89th Vehicular Technology Conference, 28 April - 1 May 2019, Kuala Lumpur, Malaysia

WCNC 2019 - IEEE Wireless Communications and Networking Conference, 15-18 April 2019, Marrakech, Morocco

ICT 2019 - 26th International Conference on Telecommunications, April 8-10, 2019, Ha Noi, Vietnam.

Journal Reviewer (year of review):

Wireless Networks (2020), SENSORS (2020) International Journal of Communication Systems (2020), IEEE Access (2018), InderScience International Journal of Sensor Networks (2016), Elsevier Ad-Hoc Networks (2014, 2012), International Journal of Computer Mathematics (2013, 2012, 2011, 2009, 2008), African Journal of Mathematics and Computer Science Research (2014), Ad Hoc and Sensor Wireless Networks (2012), Computer Communications Journal (2010), Journal of Network and Computer Applications (2011), ACM Transactions on Sensor Networks (2010), EURASIP Journal on Wireless Communications and Networking (2012, 2010), Transactions on Mobile Computing (2006)

Elsevier Computer Networks Journal (2011, 2010, 2006), IEEE JSAC Wireless Series (2006), IEEE Communications Surveys and Tutorials (2004).

PUBLICATIONS

Book chapters

- BC.5 S. Abadal, C. Liaskos, A. Pitsillides, **V. Vassiliou**, J. Sole-Pareta, A. Cabellos-Aparicio, E. Alarcon, "Terahertz Programmable Metasurfaces: Networks inside Networks", *In Nanoscale Networking and Communications Handbook*. USA: CRC Press. Publication: 2019 <https://doi.org/10.1201/9780429163043>
- BC.4 Z. Zinonos, C. Chysostomou, and **V. Vassiliou**, "Fuzzy Logic Control for Mobility Support in Industrial Wireless Sensor Networks," *in Cooperative Robots and Sensor Networks*, Anis Koubaa and Abdemajid Khelil (Eds), *Springer*, ISBN: 978-3-642-55028-7, 2014, pp 205-230.
- BC.3 C. Sergiou and **V. Vassiliou**, "Efficient Node Placement for Congestion Control in Wireless Sensor Networks", *in Wireless Sensor Networks - Technology and Applications*, Mohammad Matin (Ed.), ISBN: 978-953-51-0676-0, InTech. Publication Date: 18 Jul. 2012.
- BC.2 J. Antoniou, V. Papadopoulou, **V. Vassiliou** and A. Pitsillides, "Network Selection and Handoff in Wireless Networks: a Game Theoretical Approach" *in Game Theory for Wireless Communications and Networking*, Y. Zhang and M. Guizani Eds., Auerbach Publications, CRC Press, Taylor & Francis Group, ISBN: 9781439808894. Publication Date: 21 Jun. 2011.
- BC.1 C.-K. Toh and **V. Vassiliou**, "The Effects of Beaconing on the Battery Life of Ad hoc Mobile Computers" *in Ad Hoc Networking*, C.E. Perkins Ed., Boston MA: Addison-Wesley Longman Publishing Co., 2001, pp. 299-321.

Editorials / Proceedings

- EP.12 Z. Zinonos and **V. Vassiliou**, Proceedings of 2nd International Workshop on Intelligent Systems for the Internet of Things (ISIoT 2020), (in conjunction with DCOSS '20), IEEE.
- EP.11 **V. Vassiliou**, Z. Zinonos, L. Michael, and S. Timotheou, Proceedings of the 1st International Workshop on Intelligent Systems for IoT (ISIoT 2019), (in conjunction with DCOSS '19), IEEE
- EP.10 C. Verikoukis, **V. Vassiliou** and P. Bellavista, Proceedings of the 24th International Conference on Telecommunications (ICT 2017), IEEE.
- EP.9 E. Kyriakides et al., Proceedings of the 18th Mediterranean Electrotechnical Conference (MELECON 2016), IEEE.
- EP.8 **V. Vassiliou** and H. Wang, Proceedings of the 20th IEEE International Symposium on Computers and Communication (ISCC '15), IEEE.
- EP.7 E. Nakamura, J. Sa Silva, and **V. Vassiliou**, Proceedings of the 7th International Workshop on Performance in Wireless Sensor Networks (PWSN 2015), IEEE.
- EP.6 C. Psounis and **V. Vassiliou**, Proceedings of the 6th International Workshop on Performance in Wireless Sensor Networks (PWSN 2014), IEEE.
- EP.5 U. Roedig and **V. Vassiliou**, Proceedings of the 5th International Workshop on Performance in Wireless Sensor Networks (PWSN 2013), IEEE.
- EP.5 **V. Vassiliou**, G. Heijenk, J. C. de Oliveira, Proceedings of the 11th Annual Mediterranean Ad Hoc Networking Workshop (MEDHOCNET '12), IEEE.
- EP.4 **V. Vassiliou**, L. Wolf, S. Kahnere, Proceedings of 4th International Workshop on Performance in Wireless Sensor Networks (PWSN 2012), IEEE.

- EP.3 **V. Vassiliou**, R. Vida, J. S. Silva, Proceedings of 3rd International Workshop on Performance in Wireless Sensor Networks (PWSN 2011) IEEE.
- EP.2 G. Giambene, M. C. Aguayo Torres, E. Monteiro, M. Ries, and **V. Vassiliou**, (Section Editors), "*Packet Scheduling and Congestion Control*" section, in Book "*Traffic and QoS Management in Wireless Multimedia Networks: COST 290 Final Report*" (Y.Koucheryavy et. al. Eds., 340 Pages) Lecture Notes in Computer Science, Springer-Verlag, New York, USA, 2009, ISBN-10: 0387855726, pp. 13-88.
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