

CURRICULUM VITAE

Surname : Antonopoulos
Name : Christos
Father's Name : Panagiotis
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Marital Status : Married (2 children)

Education

- ✓ Diploma degree in Electrical and Computer Engineering, Electrical and Computer Engineering Department, University of Patras, Greece (22 /3/ 2002).
 - ✓ Diploma Thesis: "Wireless Industrial Network Medium Access Layer Communication Protocols"
- ✓ Ph.D degree in Electrical and Computer Engineering, Electrical and Computer Engineering Department, University of Patras, Greece, (18/7/2008)
 - ✓ Thesis Subject: "Design and development of cross-layer communication architectures for de-centralized wireless sensor network under real-time communication constrains"

Military Duties:

- ✓ For the period 9/2/2009 - 9/1/2010 I served at the Signal Core of the Greek Army and specifically at the use of wireless telecommunication system "EPMHΣ".

Computer Expertise:

- ✓ Very good knowledge of Windows (Office Suite, Microsoft Studio, Photoshop, Vision κ.α.), DOS, Unix, Linux (Kernel, Driver development).
- ✓ Programming environments:
 - ✓ High Level Programming: Visual Basic, C, C++, Fortran, Pascal, Matlab
 - ✓ Embedded Programming: Assembly targeting Intel, AVR, ARM microprocessors as well as DSPs.
 - ✓ Script Language programming: Tcl, Awk, Python
- ✓ Very good knowledge regarding Computer and Network Architectures
- ✓ In-depth knowledge on network communication protocols focusing on MAC, routing and network layers

Research activities:

- ✓ Member of the research staff of the Applied Electronics Laboratory, Department of Electrical and Computer Engineering University of Patras Greece from 2002 with participation in substantial number of research projects as well as a teaching assistant.
- ✓ Session chair of «Advanced Control Issues I» at the 10th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2005), 19-22 September 2005 Catania, Italy
- ✓ Session chair of «STWimob 2: 5th International Workshop on Selected Topics in Mobile and Wireless Computing» at the 8th IEEE International Conference on

Wireless and Mobile Computing, Networking and Communications (WiMob 2012)
Barcelona, Spain, October 8-10, 2012

- ✓ Reviewer at:
 1. IEEE Transactions on Wireless Communication
 2. 5th IEEE International Symposium on communication Systems, Networks and Digital Signal Processing
 3. ACM Transactions On Embedded Computing Systems
 4. IEEE Communications Magazine
 5. Elsevier Computer Networks
 6. IEEE Sensors Journal
 7. Elsevier International Journal of Medical Informatics
 8. Hindawi Journal of Engineering
 9. Elsevier Journal of Biomedical Informatics
 10. International Journal of Medical Informatics
 11. IEEE Systems Journal
 12. Elsevier Microprocessors and Microsystems Journal
 13. MDPI Sensor Journal
 14. IEEE Internet of Things Journal
 15. IEEE Consumer Electronics Magazine
 16. IEEE Access
 17. MDPI Journal of Sensor and Actuator Networks
 18. IEEE Industrial Electronics Society
 19. International Journal of Embedded and Real-Time Communication Systems (IJERTCS)
- ✓ Member of the technical committee at the international conference «2009 International Workshop on Wireless Pervasive Healthcare (WiPH)»
- ✓ Organizer and chair of the Special Session "eHealth@Home - Infrastructure and services for remote multi-parametering monitoring, analysis and support" at the "4th International Conference on Wireless Mobile Communication and Healthcare"
- ✓ Member of the technical committee at the international conference « International Workshop on Components and Services for IoT platforms» 4 September 2015, Imperial College, London, United Kingdom
- ✓ Co-organizer of Workshop "23th International Conference on Telecommunication 2016: Trends and challenges of Cyber Physical Systems: Design, Architectures and Applications (<http://ict-2016.org/#WS5>)".
- ✓ Program Committee member of 2nd International Conference on interactive collaborative robotics (<http://specom.nw.ru/icr2017.html>)
- ✓ Program Committee member of 14th International Symposium on Applied Reconfigurable Computing (<http://arc2018.esda-lab.cied.teiwest.gr/index.html>)
- ✓ EU Projects Track Chair and Web-Chair of 14th International Symposium on Applied Reconfigurable Computing (<http://arc2018.esda-lab.cied.teiwest.gr/index.html>)
- ✓ Program Committee member of the 3rd International Conference on interactive collaborative robotics (<http://specom.nw.ru/icr2018>)
- ✓ Session chair «Wireless Sensor Networks: Hardware/Software Design Aspects for Industry» στο 19th IEEE ICIT, 20-22/2/2018, Lyon, France
- ✓ Session chair « Research Projects I» στο 19th IEEE ICIT, 20-22/2/2018, Lyon, France
- ✓ Technical Program Committee for the 2018 IEEE Global Communications Conference: Selected Areas in Communications: E-Health (<http://globecom2018.ieee-globecom.org/authors/call-symposium-papers>)
- ✓ Technical Program Committee for the 2019 IEEE Global Communications Conference: Selected Areas in Communications: E-Health (<http://globecom2019.ieee-globecom.org/authors/call-symposium-papers>)

- ✓ Program Committee member for the 4th International Conference on interactive collaborative robotics (<http://specom.nw.ru/icr2019>)
- ✓ Program Committee member for the SPECOM 2019 (21ST INTERNATIONAL CONFERENCE ON SPEECH AND COMPUTER) (<http://specom.nw.ru/>)
- ✓ Program Committee member for the IISA 2019 (The 10th International Conference on Information, Intelligence, Systems and Applications) (<http://iisa2019.upatras.gr/>)

Professional Experience:

- ✓ Collaboration with the Industrial System Institute (ISI) Patras, concerning European Research Projects focusing on technical, administrative as well as proposal preparation objectives
 - LOCCATEC (Project IST-2000-29401)
 - BETSY
 - uSWN (FP6-2005-IST-034642)
- ✓ Collaboration with the University of Patras ECE Dept, concerning European Research Projects focusing on technical, administrative as well as proposal preparation objectives
 - INNO-UTILITES (Project IPS-2001-42014)
 - WSN-DPCM (g.a. 269389) ARTEMIS-JU
- ✓ Collaboration with INTRACOM-Telecom telecommunication company, concerning European Research Projects focusing on technical, administrative as well as proposal preparation objectives
 - FIREWORKS (Work Packet Leader)
 - MEMBRANE
 - ROCKET
- ✓ Research and development at INTRACOM Telecom concerning the development of WiMAX Base Station production
 - Admission Control Mechanism study.
 - Research and development Idle- Sleep mode
- ✓ Collaboration with Technological Institute of Western Greece, concerning European Research Projects focusing on technical, administrative as well as proposal preparation objectives
 - ARMOR (FP7-287720) (Work Packet Leader)
 - RADIO (H2020-PHC-2014-single-stage) (Work Packet Leader)
 - EQUAL (Greek research agency) (Work Packet Leader)
- ✓ Collaboration with the University of Patras ECE Dept, concerning National Research Projects focusing on technical, administrative as well as proposal preparation objectives
 - ΔΑΜΑΖΟ (Συνεργασία – ΕΣΠΑ 2007-2013)
 - ADVENT (Συνεργασία – ΕΣΠΑ 2011) (Work Package Leader)

International Journals Publications:

- [1.J] N. Pogkas, G. Karastergios, **C. Antonopoulos**, S. Koubias, G. Papadopoulos “ **Architecture Design and Implementation of an Ad-Hoc Network for disaster relief operations** ” IEEE Transactions on Industrial Informatics, Vol. 3, No. 1, February 2007
- [2.J] **Ch. Antonopoulos**, S. Koubias, “**Congestion Control Framework for Ad-Hoc Wireless Networks**”, Springer Wireless Personal Communication, January 2009, ISSN: 0929-6212 (Print) 1572-834X (Online)
- [3.J] E. Topalis, A. Prayati, **C. Antonopoulos**, S. Giannoulis, A. Athanasopoulos, S. Koubias, “**An Interoperability Framework for Heterogeneous Networked Systems**” GESTS International Transactions on Computer Science on Engineering, Vol:45, No:1, p. 115-141, March 2008

- [4.J] **Ch. Antonopoulos**, A. Prayati, T. Stoyanova, C. Koulamas, G. Papadopoulos, “**A Modeling Approach on the TelosB WSN Platform Power Consumption**”, Elsevier Journal of Systems and Software, Volume 83, issue 8, p. 1355-1363 August 2010
- [5.J] Al. Maltsev, R. Maslennikov, Al. Khoryaev, A. Lomayev, **Ch. Antonopoulos**, K. Avgeropoulos, A. Alexiou, F. Boccardi, Y. Hou, K. K. Leung, “**MIMO and Multihop Cross-Layer Design for Wireless Backhaul – A Testbed Implementation**”, IEEE Communications Magazine, Vol.48, No.3 March 2010
- [6.J] **C. Antonopoulos**, “On BS/BS Coordination towards Interference Minimization in WiMAX Networks”, Elsevier Computer Networks Volume 55, Issue 1, 7 January 2011, Pages 356-369
- [7.J] S.-M Dima, C. Panagiotou, Dimitris Tsitsipis, **Christos Antonopoulos**, John Gialelis, Stavros Koubias, “Performance evaluation of a WSN system for distributed event detection using Fuzzy Logic”, Elsevier Ad-hoc Networks Volume 23, December 2014, Pages 87–108
- [8.J] S.-M Dima, **Christos Antonopoulos**, Stavros Koubias, “On event/time-triggered and distributed analysis of a WSN system for event detection, using Fuzzy Logic”, Elsevier Information Sciences Volume 2016 (2016), Article ID 9350928, 28 pages <http://dx.doi.org/10.1155/2016/9350928>
- [9.J] **Christos P. Antonopoulos**, Nikolaos S Voros, “Resource Efficient Data Compression Algorithms for Demanding, WSN based Biomedical Applications”, Elsevier Journal of Biomedical Informatics, Volume 59 , 1 - 14
- [10.J] **Ch. Antonopoulos**, Th. Panagiotakopoulos, Ch. Panagiotou, G. Toulaiatos, S. Koubias, A. Kameas, N. Voros “On Developing a Novel Versatile Framework for Heterogeneous Home Monitoring WSN networks”, European Alliance for Innovation Special Issue: Mobile and Wireless Technologies for Healthcare. Publisher ICST ISSN 2411-7145, Published 18th May 2015, DOI: 10.4108/phant.1.1.e4
- [11.J] **Christos Antonopoulos** et al. “Integrated Toolset for WSN Application Planning, Development, Commissioning and Maintenance: The WSN-DPCM ARTEMIS-JU Project” MDPI Sensors 2016, 16(6), 804; doi:10.3390/s16060804
- [12.J] S. Dima, **Ch. Antonopoulos**, S. Koubias, “Resource Aware Sensor-to-Actor Allocation Framework for WSANs Based on Voronoi Cells Theory” Hindawi Journal of Sensors Volume 2017, Article ID 4523945, 16 pages <https://doi.org/10.1155/2017/4523945>
- [13.J] Christos P. Antonopoulos, Nikolaos S. Voros, “A Data Compression Hardware Accelerator Enabling Long Term Biosignal Monitoring based on Ultra Low Power IoT Platforms” MDPI Electronics 2017, 6(3), 54; doi:10.3390/electronics6030054
- [14.J] Georgios Keramidas, Christos Antonopoulos, “Maximizing the Autonomy of AAL Robots” IEEE Consumer Electronics Magazine
- [15.J] Antonopoulos, C.P., Antonopoulos, K., Panagiotou, C. et al. “Tackling Critical Challenges towards Efficient CyberPhysical Components & Services Interconnection: The ATLAS CPS Platform Approach” J Sign Process Syst (2019). <https://doi.org/10.1007/s11265-018-1436-x>
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Contribution IEEE Task Groups:

- [1.TG] C. Antonopoulos, K. Stamatias “Proposal of an RS Concept Utilizing True Sectoring Capabilities” Contribution to Session #47 802.16 relay TG, 5th Task Group Meeting on Multi-hop Relay in IEEE 802.16, 15-18 Jan,2007 London, UK

Books and Book Chapter:

- 1 Contribution at "Problem Solving for Wireless Sensor Networks", Συγγραφείς Garcia-Hernando, Martinez-Ortega, Lopez-Navarro, Prayati, Redondo-Lopez, Εκδόσεις Springer, Έτος 2009
- 2 **Editor** στο βιβλίο "Cyberphysical Systems for Epilepsy and Related Brain Disorders - Multi-parametric Monitoring and Analysis for Diagnosis and Optimal Disease Management" Springer 2015 ISBN 978-3-319-20049-1
- 3 Nikolaos S. Voros, Christos P. Antonopoulos, Michalis Koutroumanidis, George K. Kostopoulos, Andreas A. Ioannides, "Introduction to ARMOR Project", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 4 Christos P. Antonopoulos and Nikolaos S. Voros, " Data Management Processes", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 5 Stefan Hey, Panagiota Anastasopoulou, André Bideaux, Christos P. Antonopoulos, Nikolaos S. Voros, Alberto Fernandez, Vasilis Megalooikonomou, and Arthur Krukowski "System Architecture", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 6 Stefan Hey, Panagiota Anastasopoulou, André Bideaux, Christos P. Antonopoulos, Nikolaos S. Voros, and Mark Richardson "Mobile Sensors for Multiparametric Monitoring in Epileptic Patients", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 7 Christos P. Antonopoulos, Nikolaos S. Voros, Stefan Hey, Panagiota Anastasopoulou, and André Bideaux "Secure and Efficient WSN Communication Infrastructure", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 8 André Bideaux, Stefan Hey, Panagiota Anastasopoulou, Alberto Fernandez, Christos P. Antonopoulos, and Nikolaos S. Voros "System Middleware", Cyberphysical Systems for Epilepsy and Related Brain Disorders, Springer 2015 ISBN 978-3-319-20049-1, N. Voros and C. Antonopoulos (Eds.)
- 9 Christos P. Antonopoulos, Nikolaos S. Voros, André Bideaux, Panagiota Anastasopoulou, Stefan Hey, Wilhelm Stork, "Advanced multi-parametric Monitoring and analysis for diagnosis and Optimal management of epilepsy and Related brain disorders: The ARMOR Project" SCITEPRESS, European IST Projects - The quest for excellence towards 2020
- 10 Christos Antonopoulos, Sofia-Maria Dima, Stavros Koubias, « Event Identification in Wireless Sensor Networks», Components and Services for IoT Platforms Paving the Way for IoT Standards, Springer 2016 ISBN 978-3-319-42304-3, Keramidas, Georgios, Voros, Nikolaos, Hübner, Michael (Eds.)
- 11 Sofia-Maria Dima, Christos Antonopoulos, Stavros Koubias, « Fuzzy Inference Systems Design Approaches for WSNs», Components and Services for IoT Platforms Paving the Way for IoT Standards, Springer 2016 ISBN 978-3-319-42304-3, Keramidas, Georgios, Voros, Nikolaos, Hübner, Michael (Eds.)
- 12 Christos Panagiotou, Christos Antonopoulos, Georgios Keramidas, Nikolaos Voros, Michael Huebner, « IoT in Ambient Assistant Living Environment: A View from Europe », Components and Services for IoT Platforms Paving the Way for IoT Standards, Springer 2016 ISBN 978-3-319-42304-3, Keramidas, Georgios, Voros, Nikolaos, Hübner, Michael (Eds.)
- 13 Konstantinos Christopoulos, Christos Antonopoulos, Nikolaos Voros, Theofanis Orfanoudakis, « Artificial intelligence and Build-ing Automation Systems in the World of Internet of Things», Components and Services for IoT Platforms Paving

- the Way for IoT Standards, Springer 2016 ISBN 978-3-319-42304-3, Keramidas, Georgios, Voros, Nikolaos, Hübner, Michael (Eds.)
- 14 **Editor** στο βιβλίο " Robots in Assisted Living--Unobtrusive, Efficient, Reliable and Modular Solutions for Independent Ageing" Springer 2018 ISBN 978-3-319-92330-7
 - 15 Editor στο βιβλίο "Applied Reconfigurable Computing Architectures, Tools, and Applications" Springer LNCS 10824
 - 16 Ch. P. Antonopoulos, K. Antonopoulos, Ch. Panagiotou, N. S. Voros, " Tackling Wireless Sensor Network Heterogeneity Through Novel Reconfigurable Gateway Approach", Applied Reconfigurable Computing Architectures, Tools, and Applications" Springer LNCS 10824
 - 17 Ch. P. Antonopoulos, et al."Robots in assisted living environments as an unobtrusive, efficient, reliable and modular solution for independent ageing: The RADIO Experience", Applied Reconfigurable Computing Architectures, Tools, and Applications" Springer LNCS 10824
 - 18 Ch. P. Antonopoulos, et al." IoT and Service Oriented Infrastructures for Flight 4.0", Advances in Aeronautical Informatics Technologies Towards Flight 4.0, Springer ISBN 978-3-319-75057-6
 - 19 Ch. P. Antonopoulos, et al." Integrating Robots and WSN: communications and interfacing aspects ", RADIO--Robots in Assisted Living, ISBN 978-3-319-92330-7, Karkaletsis, V., Konstantopoulos, S., Voros, N., Annicchiarico, R., Dagioglou, M., Antonopoulos, C. (Eds.)
 - 20 Georgios Keramidas, Christos Antonopoulos, Nikolaos S. Voros, et al."Accelerating AAL Home Services using Embedded Hardware Components", RADIO--Robots in Assisted Living, ISBN 978-3-319-92330-7, Karkaletsis, V., Konstantopoulos, S., Voros, N., Annicchiarico, R., Dagioglou, M., Antonopoulos, C. (Eds.)
 - 21 Maria Rigou, Spiros Sirmakessis, Raquel Ventura, Alberto Fernández, Christos P. Antonopoulos, Nikolaos Voros " Designing User Interfaces for Elderly ", RADIO--Robots in Assisted Living, ISBN 978-3-319-92330-7, Karkaletsis, V., Konstantopoulos, S., Voros, N., Annicchiarico, R., Dagioglou, M., Antonopoulos, C. (Eds.)

International Conferences Publications:

- [1.C] C. P. Antonopoulos, V. Kapsalis, S. A. Koubias "An Efficient Simulator for the Profibus-DP MAC Layer Protocol" Conference on Manufacturing, Modelling, Management and Control, *International Federation of Automatic Control (IFAC – MIM '04)*, October 21-22, 2004, Athens Greece
- [2.C] C. Antonopoulos, S. Giannoulis, S. Koubias, I. Lympereopoulos "The Effect of Power Consumption on the Real Time Performance of Routing Protocols for Ad Hoc Wireless Networks", IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2005), 19-22 September 2005 Catania, Italy
- [3.C] C. Antonopoulos, A. Athansopoulos, S. Giannoulis, A. Prayati, E. Topalis, S. Koubias "A Framework Architecture Supporting QoS-Power Trade-offs for Heterogeneous Network Systems" IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2005), 19-22 September 2005 Catania, Italy
- [4.C] N. Pogkas, G. Karastergios, C. Antonopoulos, S. Koubias, G. Papadopoulos "An ad-hoc sensor network for disaster relief operations" IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2005), 19-22 September 2005 Catania, Italy
- [5.C] S. Giannoulis, C. Antonopoulos, E. Topalis, S. Koubias "ZRP versus DSR and TORA: A comprehensive survey on ZRP performance" IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2005), 19-22 September 2005 Catania, Italy

- [6.C] A. Athanasopoulos, E. Topalis, C. Antonopoulos, S. Koubias, “**Evaluation Analysis of the Performance of IEEE 802 11b and IEEE 802 11g Standards**”, ICN 2006, 4th IEEE International Conference on Networking, Mauritius, 23-29 April 2006
- [7.C] A. Athanasopoulos, S. Giannoulis, C. Antonopoulos, A. Prayati, E. Topalis, S. Koubias, “**Performance evaluation of hybrid wired/wireless LANs for multimedia-like data traffic**” 5th IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing, 19-21 July 2006 Patras Greece
- [8.C] S. Giannoulis, C. Antonopoulos, E. Topalis, A. Athanasopoulos, A. Prayati, S. Koubias, “**TCP vs UDP Performance Evaluation for CBR Traffic On Wireless Multihop Networks**” 5th IEEE International Symposium on Communication Systems, Networks and Digital Signal Processing, 19-21 July 2006 Patras Greece
- [9.C] C. Antonopoulos, P. Chondros, A. Athanasopoulos, S. Koubias “**Comparative Performance Evaluation of 802.15.4 and 802.11b for Usage in Ad-Hoc Wireless Networks**” 6th IEEE International Workshop on Factory Communication Systems (WFCS '06), June 27-30, 2006, Torino Italy
- [10.C] C. Antonopoulos, A. Athanasopoulos S. Koubias “**A Simulation Study On Dropping Tendencies of an ad-hoc Wireless Networks**” 11th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA '06), September 20-22, 2006, Prague, Czech Republic
- [11.C] A. Athanasopoulos, E. Topalis, C. Antonopoulos, S. Koubias, “**802.15.4: The effect of different back-off schemes on power and QoS characteristics**”, ICWMC 2007, 3rd IEEE International Conference on Wireless and Mobile Communications, Guadeloupe, French Caribbean, March 4-9, 2007
- [12.C] A. Athanasopoulos, C. Antonopoulos, E. Topalis, S. Koubias, “**Enhanced MAC Algorithm for Low Latency Applications in beaconless CSMA/CA Ad Hoc IEEE 802.15.4 LR-WPANS**” IASTED International Conference on "Wireless and Optical Communications -WOC 2007, Montreal, Quebec, Canada - May 30 – June 1, 2007
- [13.C] Ch. Antonopoulos, S. Stamatias, “**Introducing and Evaluating a Relaying Concept for the IEEE 802.16 Wireless Metropolitan Networks**” 12th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA '07), September 25-28, 2007 - Patras – Greece
- [14.C] E. Topalis, A. Prayati, Ch. Antonopoulos, S. Koubias, “**A Framework Architecture Supporting Interoperability for Heterogeneous Networked Systems**” 16th IEEE Mediterranean Conference on Control and Automation, June 25-27, 2008, Corsica, France
- [15.C] Il. Panayiotopoulos, A. Valkanas, Ch. Antonopoulos, Seb. Simoens, P. Rosson, B. Wolz, R. Hoshyar, J. Vidal, R. Bestak, A. Mittoni, “**The FIREWORKS Project: Flexible Relay Wireless OFDM(A)-based Networks**” ICT-Mobile Summit 2008, 10-12 June 2008, Stockholm, Sweden
- [16.C] Christos Antonopoulos, Evangelos Topalis, Aggeliki Prayati, Spilios Giannoulis, Antonis Athanasopoulos, Stavros Koubias “**Framework Design Supporting QoS-Power Trade-Offs for Heterogeneous Networked Systems**” 2nd International Conference, NBIS 2008, Turin, Italy, September 1-5, 2008.
- [17.C] Ch. Antonopoulos, “**On SDMA Transmission Considering an Efficient MAC Based IEEE 802.16 Relay Station**”, 4th IEEE International Conference On Wireless and Mobile Computing, Networking and Communication, 12-14 October 2008 Avignon, France
- [18.C] Ch. Antonopoulos, A. Prayati, T. Stoyanova, C. Koulamas, G. Papadopoulos “**Experimental Evaluation of a WSN Platform Power Consumption**”, 23rd IEEE International Parallel and Distributed Processing Symposium (IPDPS '09)/8th International Workshop on Performance Modeling, Evaluation and Optimization of Ubiquitous Computing and Networked Systems (PMEO-UCNS '09) 25-29 May, 2009 Rome Italy
- [19.C] Ch. Antonopoulos, A. Prayati, F. Kerasiotis, G. Papadopoulos, “**CSMA-MAC Performance Evaluation for WSN Applications**”, 3rd International Conference on Sensor Technologies and Applications (SENSORCOMM 2009), 18-23 June, Athens/Vouliagmeni, Greece

- [20.C] A. Prayati, F. Kerasiotis, Ch. Antonopoulos, S. Giannoulis, T. Stoyanova, G. Papadopoulos, “**An Overview of Development Problems in WSNs**”, 2009 International Workshop on Wireless Pervasive Healthcare (WiPH 2009), March 31, 2009, London UK
- [21.C] S. Giannoulis, A. Prayati, C. Antonopoulos, G. Papadopoulos, “**A.M.O.R : An Adaptive Routing Mechanism for WSN Health Applications**” 2009 International Workshop on Wireless Pervasive Healthcare (WiPH 2009), March 31, 2009, London UK
- [22.C] A. Kotsiolis, C. Antonopoulos, S. Koubias, “**PERFORMANCE EVALUATION OF TCP ALGORITHMS ON HYBRID WIRED/WIRELESS LAN TEST-BED**”, International Conference on Data Communication Networking, DCNET 2010, Athens, 26-28 July 2010, Greece
- [23.C] F. Kerasiotis, A. Prayati, C. Antonopoulos, C. Koulamas, G. Papadopoulos, “**Battery Lifetime Prediction Model for a WSN Platform**”, 4th International Conference on Sensor Technologies and Applications (SENSORCOMM 2010), 18-25 July, Venice/Mestre, Italy
- [24.C] Dr. Ch. Antonopoulos, Mr. Th. Kapourniotis, Prof. V. Triantafillou, “**On Simulation Based WSN Multi-Parametric Performance Analysis**”, ICWCSN 2011: International Conference on Wireless Communication and Sensor August 24-26, 2011, Paris, France
- [25.C] Ch. Antonopoulos, Ch. Panagiotou, G. Keramidas, S. Koubias, “**Network Driven Cache Behavior in Wireless Sensor Networks**”, IEEE International Conference on Industrial Technology (ICIT-2012), 19-21 March 2012, Athens, Greece
- [26.C] S.-M. Dima, Ch. Antonopoulos, J. Gialelis, Stavros Koubias, “**A Network Reliability Oriented Event Detection Scheme for Wireless Sensors and Actors Networks**”, IEEE International Conference on Industrial Technology (ICIT-2012), 19-21 March 2012, Athens, Greece
- [27.C] S.-M. Dima, D. Tsitsipis, Ch. Antonopoulos, J. Gialelis, S. Koubias, “**FLOGERA - A Fuzzy LOGic Event Recognition Algorithm in a WSN Environment**” 8th International Wireless Communications and Mobile Computing Conference (IWCMC-2012), August 27-31, 2012
- [28.C] Ch. Panagiotou, Ch. Antonopoulos, S. Koubias, “**Performance Enhancement in WSN through Data Cache Replacement Policies**” 17th IEEE International Conference on Emerging Technologies & Factory Automation, 17-21/9 2012, Krakow, Poland
- [29.C] Ch. P. Antonopoulos, Ch. Petropoulos, K. Antonopoulos, N. S. Voros, “**The Effect of Symmetric Block Ciphers on WSN Performance and Behavior**”, Fifth IEEE International Workshop on Selected Topics in Wireless and Mobile computing (STWiMob 2012), 8-10/10, Barcelona, Spain, 2012.
- [30.C] Ch. P. Antonopoulos, V. Kapsalis, L. Hadellis, “**Optimal Scheduling of Smart Homes’ Appliances for the Minimization of Energy Cost under Dynamic Pricing**” 17th IEEE International Conference on Emerging Technologies & Factory Automation, 17-21/9 2012, Krakow, Poland
- [31.C] Panagiota Anastasopoulou, Christos Antonopoulos, Hatem Shgir, George Krikis, Nikolaos S. Voros, Stefan Hey, “**Mobile Multi-parametric Sensor System for Diagnosis of Epilepsy and Brain Related Disorders**” 3rd International Conference on Wireless Mobile Communication and Healthcare, November 21–23, 2012 Paris, France
- [32.C] Christos Antonopoulos, George Krikis, Nikolaos Voros, “**Efficient Hardware Based Security Algorithm Implementation for WSN Medical Applications: The ARMOR Perspective**”, ARC 2013, LNCS 7806, pp. 233–234, 2013
- [33.C] George Krikis, Christos P. Antonopoulos, Nikolaos S. Voros, “**Design and Implementation of Efficient Reconfigurable Cipher Algorithms for Wireless Sensor Networks**” 11th IEEE International Conference on Industrial Informatics, Bohum, Germany, 29-31, July, 2013
- [34.C] Theodor Panagiotakopoulos, Christos Antonopoulos, Panayiotis Alefragkis, Achil-les Kameas, and Stavros Koubias, “**Taking Care of Elderly People with Chronic Conditions using Ambient Assisted Living technology: The ADVENT perspective**” HCI International 2014, 22 - 27 June 2014, Creta Maris, Heraklion, Crete, Greece

- [35.C] T. Panagiotakopoulos, Ch. Antonopoulos, G. Koutalieris, P. Kalantzis, C. Theodoropoulos, G. Koumanakos, A. Kameas, N. Voros, S. Koubias, "**ADVENT: A SYSTEM ARCHITECTURE FOR ADVANCED MONITORING OF ELDERS WITH CHRONIC CONDITIONS**" The 7th International Conference on Pervasive Technologies Related to Assistive Environments, Rhodes, Greece, May 27-30, 2014
- [36.C] Ch. P. Antonopoulos, F. Kerasiotis, C. Koulamas, Prof. G. Papadopoulos, Prof. S. Koubias, "**Design of a WSN Software Stack Synthesis Evaluation Module**" 24th IEEE PIMRC 8-11 September, 2013, London, UK
- [37.C] Tsenka Stoyanova, Fotis Kerasiotis, Christos Antonopoulos, George Papadopoulos, "**RSS-based Localization for Wireless Sensor Networks in Practice**" 9th IEEE/IET CSNDSP 2014, Manchester, UK.
- [38.C] Christos Antonopoulos, Konstantinos Antonopoulos, Christos Petropoulos and Nikolaos S. Voros, "**Experimental Evaluation of Bluetooth Real Time Capabilities in Communication Intensive Applications**" 4th International Conference on Wireless Mobile Communication and Healthcare, November 3–5, 2014 Athens, Greece.
- [39.C] Ch. P. Antonopoulos, G. Touliaos, Ch. Panagiotou, Th. Panagiotakopoulos, S. Koubias, Achilles Kameas, Nikolaos S. Voros, "**A Framework for Heterogeneous Home Monitoring WSN Networks** " 4th International Conference on Wireless Mobile Communication and Healthcare, November 3–5, 2014 Athens, Greece.
- [40.C] Ch. Antonopoulos, G. Keramidas, N. S. Voros, M. Huebner, D. Goehringer, M. Dagioglou, Th. Giannakopoulos, St. Konstantopoulos, Vangelis Karkaletsis "**Robots in assisted living environments as an unobtrusive, efficient, reliable and modular solution for independent ageing: The RADIO perspective** ", Proceedings of 11th International Symposium on Applied Reconfigurable Computing (ARC 2015), At Bochum, Germany, Volume: Springer LNCS 9040, pp. 535 - 546
- [41.C] Ch. Antonopoulos, F. Kerasiotis, Ch. Koulamas, G. Papadopoulos, S. Koubias, "**Experimental Evaluation of the Wasmote Platform Power Consumption Targeting Ambient Sensing**", Mediterranean Embedded Computing Resources, June 14-18, 2015
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- [58.C] Sofia Maria Dima, Christos Antonopoulos, Stavros Koubias, "Tackling Failure through Discovery of Semantic Neighbors Nodes in WSNs" ICEAF V 5th International Conference of Engineering Against Failure 20 - 22 June 2018 - Chios Island, Greece

Teaching Experience:

- ✓ Extensive teaching experience from 2002 at 1) University of Patras (ECE Dept), Technological Institute of Patras (Electrical Engineering Dept.), 2) Technological Institute of Mesologgi (Dept of Telecommunication Systems and Networks), 3) Technological Institute of Western Greece (Dept. of Information Technology) and 4) Hellenic Open University in areas including:
 - Microprocessors - Advanced Microprocessors
 - Digital Circuits
 - High Speed Networks
 - Sensor Networks
 - Network Simulation
 - Network Management
- ✓ In the context of the Master Course "MSc Technologies and Infrastructures for Broadband Applications and Services" of the Technological Institute of Western Greece (Dept. of Information Technology) lectures of areas including
 - "Advanced Wireless Networks and Systems"
 - "Embedded System Design"

Co-author at European Research Project Deliverables:

Participation on the preparation of more than 120 deliverables for European Research Projects.

Citations

Over 450 non self-citations on the published work so far.

<https://scholar.google.gr/citations?user=D3k8gNIAAAAJ&hl=en>

Awards

Senior Member of the research group of Embedded System Design & Application Laboratory which was selected by the Greek Ministry of Education action "Academic and Research Excellence". <http://excellence.minedu.gov.gr/listing/622-cied>

Additional Activities:

- ✓ Member of the Greek Technical Chamber (www.tee.gr)
- ✓ Member of the the Greek Association of Computer and Informatics Scientists (EPY)

Knowledge of foreign languages:

English: Very good (First Certificate of English (University of Cambridge 1992))

Italian: Good (4 year study) (Certificato Intermedio (Palso 1992))

May 2019