CURRICULUM VITÆ

Name	Jorge Miguel Sá Silva
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Short Biography

Jorge Sá Silva received his PhD in Informatics Engineering in 2001 from the University of Coimbra, where is a Tenured Assistant Professor with Habilitation at the Department of Informatics Engineering of the Faculty of Sciences and Technology of the University of Coimbra and a Senior Researcher of Laboratory of Communication and Telematics of Centre of Informatics Engineering of University of Coimbra, Portugal. His main research interests are Internet of Things, Network Protocols, Machine to Machine, and Wireless Sensor Networks. He has been serving as a reviewer and publishing in top conferences and journals in his expertise areas. His publications include 2 books, 5 book chapters and over 170 papers in refereed national and international conferences and magazines. He participated in European initiatives and projects such as FP5 E-NET, FP6 NoE E-NEXT, FP6 IP EuQoS, FP6 IP WEIRD and FP7 Ginseng (as Portuguese Leader). He actively participated in the organization of several international conferences and workshops, (e.g. he was the Workshop Chair of IFIP Networking2006, Publicity Chair of EWSN2009, General Co-Chair of EWSN2010, General Co-Chair of Mobiquitous2015, General Vice-Chair of WoWMoM2016) and he was also involved in program committees of national and international conferences. He is a senior member of IEEE, and he is a licensed Professional Engineer. His homepage is at http://www.dei.uc.pt/~sasilva.

Academic degrees

Habilitation, Information and Technology Systems, Universidade de Coimbra, 2016.
PhD., Informatics Engineering, Universidade de Coimbra, 2001.
MSc., Information and Technology Systems, Universidade de Coimbra, 1997.
BSc., Informatics Engineering, Universidade de Coimbra, 1993.

Current Position

Tenured Assistant Professor and Senior Researcher at the Faculty of Science and Technology of the University of Coimbra since November 2001.

Research interests

Mobile Networking, Internet of Things, M2M, Wireless Sensor Networks and Protocols, Social Technology

Spoken Languages

Portuguese (native language)

English
Spanish

International Universities and programmes

Visiting Professor in Instituto Superior de Ciências e Tecnologia de Moçambique (ISCTEM), Mozambique, 2002/2003, 2003/2004.

Visiting professor in University of Murcia (Spain). Master on Communications. March 2011.

Visiting professor in University of Extremadura (Spain). International Summer Course on Wireless Sensor Networks. July 2011.

Visiting professor in Brno University of Technology. Department of Telecommunications of Faculty of Electric Engineering and Communication, supported by Development Programme of Ministry of Education Czech Republic. November 2011.

Visiting professor in Escuela Politécnica Nacional, Ecuador, from June to August 2013, from May to August 2014, from April to July 2015 and from February to April 2016. Jorge Sá Silva has been selected in the international Prometeo program.

Faculty visiting in University Carnegie Mellon, Silicon Valley (USA), from January to May 2014 in the context of Faculty Exchange Program CMU-Portugal.

Member of the Scientific Comission of the PhD Programme at *Ingeniería Eléctica - Escuela Politécnica Nacional* (Ecuador), since January 2015.

Visiting researcher in Universidad Alcalá de Madrid (Spain), from November,27 to December, 5 2016.

Former students in foreigner universities

Valderi Leithardt, PhD, co-oriented by Prof. Claudio Geyer from Universidade Federal do Rio Grando do Sul (Brazil), "Desenvolvimentos de novos modelos para a integração de RFIDs e redes de sensores sem fios" (in Portuguese), November 2015.

Former students in University of Coimbra

Luiz Henrique Andrade Correia, PóstDoctoral, "Cognitive Radios in Wireless Sensor Networks", Universidade Federal de Lavras (Brazil), from September 2011 until July 2012.

Tiago André Camilo, PhD, "Wireless Sensor Networks of 4th Generation", April 2008. This PhD was supported by a Fundação e Ciência e Tecnologia (FCT - Portuguese Government) scholarship.
André Miguel de Almeida Marrão Rodrigues, PhD, co-oriented by Prof. Fernando Boavida, "Proposal and Study of an Architecture for the Management of Multiple Wireless Sensor Networks", June 2013.
Ricardo Mendão Silva, PhD, "New models to support reliability in Mobile Wireless Sensor Networks", September 2013. This PhD was supported by a Fundação e Ciência e Tecnologia (FCT - Portuguese Government) scholarship.
Thanh Dien Tran, PhD, "A Supporting Infrastructure for Wireless Sensor Networks in Critical Industrial Environments", October 2014. This PhD was supported by a Fundação e Ciência e Tecnologia (FCT - Portuguese Government) and by a QREN scholarships.

Jorge Granjal, co-oriented by Professor Doutor Edmundo Monteiro, "End-to-end security solutions for Internet-integrated Wireless Sensor Networks", November 2014. This PhD was supported by a Fundação e Ciência e Tecnologia (FCT - Portuguese Government)

Vasco Pereira, PhD, co-oriented by Prof. Edmundo Monteiro, "Performance Control in Wireless Sensor Networks", February 2016.

Filipa Maria Pacheco Gaudêncio, MSc, "New paradigm for Source Specific Multicast in mobile environments", 2007.

Ricardo Mendão Silva, MSc, "Mobility in Wireless Sensor Networks", 2008.

Jorge Morgado Henriques, MSc, "Fire detection using WiMAX and Wireless Sensor Networks", 2008.

Rui Alves, MSc, "Open-source ERP applications for production", 2008.

Pedro Miguel Carvalho Lopes, MSc, "Proposal of soft-handoff mechanisms for IP over wireless sensor networks", 2010.

Jorge André Pinto Sousa, MSc, "mCar", 2010.

Ricardo José Dias Custódio, MSc, "Mobility in wireless sensor networks - case studies", 2011

José Miguel Martins Brandão, MSc, "Proposal of new mechanisms for quality of service and management support in wireless sensor networks", 2011.

André Sérgio Nobre Gomes, MSc, "Security in Wireless Sensor Networks", 2012.

André Pinto, MSc, "New algorithms for localization using wireless sensor networks in critical environments", 2012.

Duarte Raposo, MSc, "New applications to integrate virtual and real worlds", 2012.

Mussa Banjai, MSc, "LowCost applications for the monitoring the quality of water", 2012.

David Silva, MSc, "HappyHour application", 2013.

Miguel Cecílio da Silva, MSc, co-oriented by Prof. Jorge Granjal, "Security in Wireless Sensor Networks with IPv6", 2013.

Elis Regina Silva, MSc, co-oriented by Prof. Pedro Furtado, "Developing of playful environments for palsy", 2014.

Karen Duarte, MSc, Biomedics Engineering, co-oriented by Prof. Pedro Furtado, "Middleware platforms based on Internet of Things to support disable people", 2014.

Pedro Gonçalo Sousa de Figueiredo Carmona, MSc, "HappyHour - a noght life application", 2014.

Tiago Emanuel Almeida Salvador, WIT software, MSc, "Quality-mesh generation for simulation optimisation", 2014-2015.

Avelino Kossengue Manuel Kuyanga, co-oriented by Prof. Vasco Pereira, MSc., "Proposal of a low cost system to access Internet in developing countries", 2014-2015.

Frederico Guilherme Galvoeira Ramos Moura Borges, MSc. in Physics Engineering, "InterRail Guide in IoT", 2014-2015.

André Filipe Carvalho dos Reis, MSc., "Tech4SocialChange", 2015-2016.

Ricardo Miguel Pires Barbosa, MSc., "HappyStudent", 2015-2016.

Ashley Figueira, "Developing emotion measurments for Android platforms", 2015-2016.

José Marcelo da Silva Lopes Fernandes, "HappyStudent: a mobile application for university students", 2016-2017.

Hélio Bento Renato Pires, 2017-2018, "New reliability mechanims for the Internet of Things".

Cena Alegria Hélder Dovala, 2017-2018, "HappyStudent: a mobile application for university students", 2016-2017.

Current students

David Nunes, PhD candidate
Duarte Raposo, PhD candidate
Jorge Henriques, PhD candidate
Soraya Sinche, PhD candidate

Ngombo Armando, PhD candidate

Publications

Thesis

Jorge Sá Silva, "Proposta de extensões ao MARS para redes IPv6 sobre ATM", Tese de Doutoramento, Faculdade de Ciências e Tecnologia da Universidade de Coimbra, Coimbra, Portugal, September 2001 (in Portuguese).

Jorge Sá Silva, "Proposta de um Método Preventivo-Reactivo para Controlo de Congestão em Redes ATM", Master Thesis, Faculdade de Ciências e Tecnologia da Universidade de Coimbra, Coimbra, Portugal, December 1996 (in Portuguese).

International Books

D. Nunes, J. Sá Silva, F. Boavida, "A Practical Introduction to Human-in-the-Loop Cyber-Physical Systems", John Wiley & Sons Limited, November 2017 (to be published).

National Books

J. Sá Silva, R. Silva e F. Boavida, "Introdução às Redes de Sensores Sem Fios", FCA – Editora de Informática Lda., Lisboa (in Portuguese), ISBN: 978-972-722-830-0, April 2016.

Books editions and book chapters

Pei Zhang, Jorge Sá Silva, Nic Lane, Fernando Boavida and André Rodrigues (Eds), 12th EAI International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services, Publisher ICST, ISBN 978-1-63190-072-3, http://dl.acm.org/citation.cfm?id=2902314 , July 2015.

J. Sá Silva et. all (Eds), 6th The Extreme Conference on Communication and Computing (ExtremeCom 2014) - Research in Ecuador, ISBN 978-989-96001-9-5, 2014.

J. Granjal, E. Monteiro, J. Sá Silva, "Security issues and approaches on wireless M2M systems", Wireless Networks and Security, p133-164, Springer, 2012.

F. Boavida, J. Sá Silva, M. Curado, P. Simões, E. Monteiro (Eds), Actas de CRC2011 – 11ª Conferência sobre Redes de Computadores, ISBN – 978-989-96001-6-4, November 2011.

Vasos Vassiliou, Jorge Sa Silva, and Rolland Vida (Eds.), Proceedings of the Third International Workshop on Performance Control in Wireless Sensor Networks (in conjunction with IEEE DCOSS 2011), June 2011.

R. Mendão, J. Sá Silva and F. Boavida, "MIPv6 Soft Hand-off for Multi-Sink Wireless Sensor Networks", Chapter 8 - Smart Wireless Sensor Networks, Edited by Hoang Duc Chinh and Yen Kheng Tan, ISBN 978-953-307-261-6, DOI: 10.5772/13654, pp 147-145, Hard cover, 418 pages, Publisher: InTech Publication date, January 2011.

Jorge Sá Silva, Fernando Boavida (Eds), Actas de CNRS2011 – 1st Portuguese Conference on Wireless Sensor Networks, ISBN – 978-989-96001-4-0, March 2011.

S. Marusic, P. Pinto, J. Sá Silva, B. Krishnamachari, F. Boavida and J. Pereira (Eds), EWSN 2010 – 7th European Conference on Wireless Sensor Networks – Posters and Demos, ISBN 978-989-96001-3-3, 2010.

Jorge Sá Silva, Bhaskar Krishnamachari and Fernando Boavida (Eds), Wireless Sensor Networks – Proceedings of 7th European Conference, LNCS 5970, ISSN 0302-9743, ISBN-10 3-642-11916-6 Springer-Verlag Berlin Heidelberg 2010.

Maxweel Carmo, Jorge Sá Silva, Edmundo Monteiro, Paulo Simões, Marília Curado and Fernando Boavida, "NSIS-Based Quality of Service and Resource Allocation in Ethernet Networks", COST 290, Final Report, September 2007.

Jorge Sá Silva, "Sexualidade na Internet" (in Portuguese), Capítulo 3 de "Quero-te: Psicologia da Sexualidade", Editora Quarteto 2003, ISBN 972-8717-95-4.

Journals Editions

J. Sá Silva, P. Zhang, T. Pering, F. Boavida, T. Hara and N. Liebau (Eds.), Feature Topic on "People-Centric Internet Of Things", IEEE Communications Magazine, February 2017.

International Journals

D. Raposo, A. Rodrigues, J. Sá Silva, F. Boavida, "A Taxonomy of Faults for Wireless Sensor Networks", Springer's Journal of Network and Systems Management, Doi: 10.1007/s10922-017-9403-6, February 2017.

T. Dien, C. Herrera, C. Egas, V. Pereira, J. Sá Silva, "Reliability in Wireless Sensor Networks for Environment Monitoring", Revista Politécnica Nacional (Ecuador), Vol. 37, March 2016.

D. Nunes, J. Sá Silva, Pei Zhang, "A survey on Human-in-the-Loop applications towards an Internet of All", IEEE Communications Surveys and Tutorials, February 2015.

Jorge Granjal, Edmundo Monteiro, and Jorge Sá Silva, "A survey on Security Mechanisms for the Internet of Things.", COMST-00207-2013, IEEE Surveys & Tutorials, December 2014.

L. Correia, T. Dien, V. Pereira, J. Sá Silva, "DynMAC: a resistant MAC protocol to coexistence in Wireless Sensor Networks", Elsevier Computer Networks, ISSN: 1389-1286, Impact factor: 1.282, October 2014.

J. Granjal, E. Monteiro and J. Sá Silva, "Security in the integration of low-power Wireless Sensor Networks with the Internet: a Survey", Elsevier Ad Hoc Networks Journal, ADHOC-D-13-382R1, ISSN: 1570-8705, 10.1016/j.adhoc.2014.08.001, October 2014.

R. Silva, J. Sá Silva and F. Boavida, "Mobility in Wireless Sensor Networks - Survey and Proposal", Elsevier Journal Computer Communications, http://dx.doi.org/10.1016/j.comcom.2014.05.008, ISSN: 0140-3664, May 2014.

V. Leithardt, D. Nunes, A. Rossetto, C. Rolim, C. Geyer, J. Sá Silva, "Privacy Management Solution in Ubiquitous Environments Using Percontrol", Journal of Ubiquitous Systems & Pervasive Networks, pp. 21 - 28, Vol.5, DOI: 10.5383/JUSPN.03.02.004, April 2014.

C. Herrera, F. González, P. Sá Silva, J. Sá Silva, "Análisis y Evaluación de una Solución basada en IPv6 para Monitoreo de Calidad Ambiental en base a Redes Inalámbricas de Sensores" (in Spanish), Revista Politécnica Nacional, Volumen 33, Numero 3, ISBN 1390-0129, Jan. 2014.

A. Rodrigues, J. Sá Silva, F. Boavida, "iSenior – A Support System for Elderly Citizens", IEEE Transactions on Emerging Topics in Computing, December 2013, Volume: 1 Issue: 2, pp: 1-11, Print ISSN: 2168-6750, Online ISSN: 2168-6750, Digital Object Identifier: 10.1109/TETC.2013.2294917.

T. O'Donovan, J. Brown, F. Brasching, A. Cardoso, J. Cecíllio, J. do Ó, P. Furtado, P. Gil, A. Jugel, W. Pottner, U. Roedig, J. Sá Silva, R. Silva, C. Sreenan, V. Vassiliou, T. Voigt, L. Wolf and Z. Zinonos, "The GINSENG System for Wireless Monitoring and Control: Design and Deployment Experiences", ACM Transactions on Sensor Networks, February 2013.

J. Granjal, E. Monteiro and J. Sá Silva, "Network-layer security for the Internet of Things using TinyOS and BLIP", Wiley International Journal of Communication Systems, November 2012.

André Rodrigues, Tiago Camilo, Jorge Sá Silva, Fernando Boavida, "Diagnostic Tools for Wireless Sensor Networks - A Comparative Survey", Springer's Journal of Network and Systems Management, Manuscript No. JONS-460R1, Volume 21, Issue 3, Page 408-452, 2013.

R. Silva, J. Sá Silva and F. Boavida, "A Proposal for Proxy-based Mobility in WSNs", Elsevier Computer Communication, ISSN: 0140-3664, September 2012.

D. Nunes, T. Tran, D. Raposo, A. Pinto, A. Gomes, J. Sá Silva, "A Web Service-based framework model for people-centric sensing applications applied to Social Networking", Sensors (ISSN 1424-8220; CODEN: SENSC9, doi:10.3390/s120201688), Special Issue "Microprocessors and System-on-Chip", pp. 1688-1701, March 2012.

Thanh-Dien Tran, R. Silva, D. Nunes, J. Sá Silva, "Characteristics of channels of IEEE 802.15.4 compliant sensor networks", Wireless Personal Communications, DOI: 10.1007/s11277-011-0395-3, Editorial manuscript number: WIRE2153.2, Springer, ISSN: 0929-6212, August 2011.

Antonio J. Jara, Ricardo M. Silva, Jorge S. Silva, Miguel A. Zamora, Antonio F. G. Skarmeta, "Mobile IP-based Protocol for Wireless Personal Area Networks in Critical Environments", Wireless Personal Communications, Special Issue on Advances in Mobile IPv6 and Network-based Localized Mobility Management, Wireless Personal Communications (SCI), DOI: 10.1007/s11277-011-0428-y, Springer 2011.

R. Silva, J. Sá Silva, J. Caldeira and J. Rodrigues, "Mobile multimedia in WSNs", International Journal of Communication Networks and Distributed Systems, Inderscience Special Issue on "Scalable Wireless Networks", September 2010.

M. Simek, D. Komosny1, P. Moravek, R. Burget1, Ri. Silva, Jorge Silva, "Data Gathering Model for Wireless Sensor Networks Based on the Hierarchical Aggregation Algorithms for IP Networks", International Journal of Computer Science and Network Security, Journal ISSN : 1738-7906, Volume Number: Vol.8, No.10, October 2008.

J. Sá Silva, T. Camilo, P. Pinto, R. Ruivo, A. Rodrigues, F. Gaudêncio and F. Boavida, "Multicast and IP Multicast support in Wireless Sensor Networks", Journal of Networks (JNW, ISSN1796-2056), Academy Publisher, pp. ,Volume 3, Number 3, March 2008.

T. Camilo, J. Sá Silva and F. Boavida, "Some Notes and Proposals on the Use of IP-Based Approaches in Wireless Sensor Networks", Ubiquitous Computing and Communication Journal, Special Issue on Ubiquitous Sensor Networks, ISSN 1992-8424, October 2007

Maxweel Carmo, Jorge Sá Silva and Edmundo Monteiro, "EuQoS approach for Resource Allocation in Ethernet Networks", International Journal of Network Management, Volume 17, Issue 5, Pages 373-388, September/October 2007, Online ISSN: 1099-1190, Print ISSN: 1055-7148, Copyright 2007 John Wiley & Sons, Ltd, Published Online: Aug 7 2007 4:25AM , DOI: 10.1002/nem.670

Rolland Vida, Karoly Farkas, Dan Grigoras, Utz Roedig, Jorge Sá Silva, Petia Todorova, Andreas Pitsillides, Vasos Vassiliou and Lars Wolf, "Mobile and Ambient Environments of the Future: Research Challenges for Wireless Ad-Hoc and Sensor Networks", China Communications - Next Generation Networks, Vol.3, No.3, pp. 99-106, June 2006

Portuguese Journals

J. Sá Silva, "The Impact of the Future Internet and the use of Low Cost technology", API 2010 Review, Edições Lusófonas, June 2011, ISSN 2182-1844

V. Pereira, J. Sá Silva, A. Cardoso, P. Gil, P. Furtado, R. Silva, J. Cecílio, A. Santos, A. Gomes, J. Gonçalves, E. Monteiro, J. do Ó e R. Eiras, "Redes de Sensores sem Fios com Desempenho Controlado – Projecto FP7 GINSENG", Revista Ingenium – Portuguese National Association, May 2011.

Standardization Bodies

Technical Document of ISO/IEC JTC 1, Study Group on Sensor Networks (SGSN), Study on Sensor Networks, June 2009.

R. Silva, J. Sá Silva, draft-silva-6lowpan-mipv6, "An Adaptation Model for Mobile IPv6 support in lowPANs", IETF Draft, May 2009.

M-K. Shin, T. Camilo, J. Sá Silva, D. Kaspar , "Mobility Support in 6LoWPAN", draft-shin-6lowpan-mobility-00, IETF Draft, June 2007.

Publications in the Proceedings of International conferences and workshops

N. Armando, J. Sá Silva and F. Boavida, "WSNs in FIWARE – Towards the Development of People-centric Applications", 15th International Conference on Practical Applications of Agents and Multi-Agent Systems, June 2017, Porto (Portugal).

Ricardo Silva, Jorge Sá Silva, Fernando Boavida, "Opportunistic Fog Computing: Feasibility Assessment and Architectural Proposal", 2017 IFIP/IEEE International Symposium on Integrated Network Management (IM 2017), realizado de 8 a 12 de Maio de 2017 em Lisboa (Portugal).

D. Nunes, J. Sá Silva, A. Figueira, S. Sinche, H. Dias, A. Rodrigues, V. Pereira and F. Boavida, "FoTSeC - Human Security in Fog of Things", 2016 IEEE International Symposium on Cloud and Services Computing (IEEE SC2 2016), December 2016, Fiji.

C. Egas, Gil-Castineira, E. Costa, J. Sá Silva, "Automatic allocation of identifiers in linear wireless sensor networks using link-level processes", 8th Latin-American Conference on Communications (LATINCOM 2016), November 2016, Medellin (Colombia).

R. Barbosa, D. Nunes, A. Figueira, S. Sinche, H. Aguiar, J. Sa Silva, C. Herrera and F. Gonzalez, "An Architecture For Emotional Smartphones in Internet of Things", IEEE Ecuador Technical Chapters Meeting, ieeeXplore, Guayaquil, October 2016, Ecuador.

A. Figueira, D. Nunes, R. Barbosa, A. Reis, H. Aguiar, S. Sinche, A. Rodrigues, V. Pereira, H. Dias, D. Raposo, C. Herrera, J. Sá Silva, F. Boavida, "WeDoCare: A Humanitarian People-centric Cyber-Physical System for the benefit of Refugees", IEEE Global Humanitarian Technology Conference (GHTC), October 2016, Seattle (USA).

V. Leithardt, C. Rolim, A. Rossetto, G. Borges, J. Sá Silva, C. Geyer, "The classification of algorithms for Privacy Management in Ubiquitous Environments", 8º Simpósio Brasileiro de Computação Ubíqua e Pervasiva - Sociedade Brasileira de Computação, July 2016, Porto Alegre (Brasil).

A. Reis, D. Nunes, R. Barbosa, A. Figueira, H. Aguiar, S. Sinche, A. Rodrigues, V. Pereira, H. Dias, D. Raposo, C. Herrera, J. Sá Silva, F. Boavida, "Tech4SocialChange: crowd-sourcing to bring migrants experiences to the academics", IEEE Global Humanitarian Technology Conference (GHTC), October 2016, Seattle (USA).

A. Reis, D. Nunes, R. Barbosa, A. Figueira, H. Aguiar, S. Sinche, A. Rodrigues, V. Pereira, H. Dias, D. Raposo, C. Herrera, J. Sá Silva, F. Boavida, "Tech4SocialChange - Technology for all", 16th International Conference on Innovations for Community Services (I4CS 2016), Springer, June 2016, Vienna (Austria).

D. Raposo, A. Rodrigues, J. Sá Silva, F. Boavida, C. Herrera, C. Egas, "An Autonomous Diagnostic Tool for the WirelessHART Industrial Standard", Seventeenth IEEE International Symposium On A World Of Wireless, Mobile And Multimedia Networks (WoWMoM 2016), June 2016, Coimbra (Portugal).

D. Nunes, J. Sá Silva and F. Boavida, "Human-in-the-loop Connectivity Management in Smartphones", 14th International Conference on Wired & Wireless Internet Communications (WWIC 2016), Springer, May 2016, Thessaloniki (Greece).

V. Pereira, E. Monteiro, J. Sá Silva, "A Data Fusion Protocol for WSN Performance and Data Retrieval", IEEE/IFIP Network Operations and Management Symposium, April 2016, Istanbul (Turkey).

Ionela Halcu, David Nunes, Valentin Sgârciu, Jorge Sá Silva, "New Mechanisms for Privacy in Human-in-the-loop Cyber-Physical Systems", 8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications, September 2015, Warsaw (Poland).

P. Carmona, D. Nunes, D. Raposo, D. Silva, C. Herrera e J. Sa Silva, "Happy Hour - Improving Mood With An Emotionally Aware Application", 15th International Conference on Innovations for Community Services (I4CS 2015), July 2015, Nuremberg (Germany).

D. Nunes, D. Raposo, D. Silva, P. Carmona and J. Sa Silva, "Achieving Human-Aware Seamless Handoff", 7th International Workshop on Performance Control in Wireless Sensor Networks, in conjuction with 11th International Conference on Distributed Computing in Sensor Systems (DCOSS 2015), June 2015, Fortaleza (Brazil).

Ricardo Silva, Jorge Sá Silva, Fernando Boavida, "A symbiotic resources sharing IoT platform in the smart cities context", Emerging Wireless Sensor Networks workshop, IEEE 10th International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), 7-9 April 2015, Singapure.

Ricardo Silva, Jorge Sá Silva, Fernando Boavida, "Infrastructure-supported Mobility in Wireless Sensor Networks - A Case Study", 2015 IEEE International Conference on Industrial Technology (ICIT 2015), March 2015, Seville (Spain).

T. Dien Tran, J. Oliviera, J. Sá Silva, V. Pereira, N. Sousa, D. Raposo, F. Cardoso, "A Scalable Localization System for Critical Controlled Wireless Sensor Networks", The 6th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT 2014), October 2014, St. Petersburg (Russia), ISBN 978-1-4799-5290-8.

K. Duarte, P. Furtado, J. Sá Silva, "Information and Assisted Navigation System for Blind People", 8th International Conference on Sensing Technology (ICST 2014), September 2014, Liverpool (England).

A. Rodrigues, J. Sá Silva, F. Boavida, "An Automated Application-Independent Approach to Anomaly Detection in Wireless Sensor Networks", 12th edition of Wired and Wireless Internet Conference, Proceedings of WWIC 2014 (Springer), May 2014, Paris (France).

Thanh-Dien Tran, C. Herrera, D. Nunes and Jorge Sá Silva, "An Adaptable Framework for Interoperating Between Wireless Sensor Networks and external Applications", 3rd Conference on Sensor Networks (SensorNets2014), January 2014, Lisbon (Portugal).

R. Custódio, R. Silva, J. Sá Silva, F. Boavida, D. Nunes, C. Herrera, "µMobile IPv6 in Wireless Sensor Networks", 7th IEEE International Conference on Sensing Technology - ICST 2013, pp. 719-724, IEEE Xplore, indexing by EI Compendex, DOI - 10.1109/ICSensT.2013.6727736, ISSN : 2156-8065, Print ISBN: 978-1-4673-5220-8, December 2013, Wellington (New Zealand).

Valderi Leithardt, Luiz Correia, Guilherme Borges, Anubis Rossetto, Carlos Rolim, Claudio Geyer, Duarte Raposo, David Nunes, J. Sá Silva, "A Solution for Identifying Users in Pervasive Environments Using Percontrol", Conferência Latino-Americana de Informática (CLEI 2013), October 2013, Vargas (Venezuela).

A. Rodrigues, J. Sá Silva, F. Boavida, "Sistema automatizado para detección de anomalías en redes de sensores inalámbricas", Jornadas de Ingeniería Telemática (JITEL 2013), October 2013, Universidad de Granada (Spain).

V. Leithardt, G. Borges, A. Rossetto, C. Rolim,C. Geyer, D. Nunes, J. Sa Silva, "Mobile Architecture for Identifying users in Ubiquitous Environments Focused on Percontrol", The Seventh International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies - UBICOMM 2013, October 2013, University of Porto (Portugal).

J. Granjal, E. Monteiro and J. Sá Silva, "A framework towards adaptable and delegated end-to-end transport-layer security for Internet-integrated Wireless Sensor Networks", Joint ERCIM eMobility and MobiSense Workshop 2013, June 2013, S. Petersburg (Russia).

J. Granjal, E. Monteiro and J. Sá Silva, "Application-layer security for the WoT: Extending CoAP to support end-to-end message security for Internet-integrated sensing applications", 11th International Conference on Wired/Wireless Internet Communications WWIC 2013, Springer LNCS, June 2013, S. Petersburg (Russia).

J. Granjal, E. Monteiro and J. Sá Silva, "End-to-end transport-layer security for Internet-integrated sensing applications with mutual and delegated ECC public-key authentication", IFIP Networking 2013, May 2013, New York (USA). Acceptance rate: 26%.

J. Granjal, E. Monteiro and J. Sá Silva, "On the effectiveness of end-to-end security for Internet-integrated sensing applications", The IEEE International Conference on Internet of Things, November 2012, Besançon (França). (Best paper Award).

J. Granjal, E. Monteiro and J. Sá Silva, "On the feasibility of secure application-layer communications on the Web of Things", 2012 IEEE 37th Conference on Local Computer Networks (LCN), pp. 228-231, October 2012, Clearwater (USA).

Anubis G. M. Rosseto, Valderi R. Q. Leithardt, Carlos O. Rolim, Cláudio F. R. Geyer and Jorge Sá Silva, "Monitoring System for Ubiquitous HealthCare", X Workshop de Processamento Paralelo e Distribuído, August 2012, Portalegre (Brazil).

V. Pereira, J. Sá Silva e E. Monteiro, "A framework for Wireless Sensor Networks performance monitoring", First IEEE WoWMoM Workshop on the Internet of Things: Smart Objects and Services, June 2012, S. Francisco (USA).

Luiz Correia, Erasmo Oliveira, Daniel Macedo, Pedro Moura, Antonio Loureiro, Jorge Sá Silva, "A Framework for Cognitive Radio Wireless Sensor Networks", The IEEE Symposium on Computers and Communications (ISCC 2012), July 2012, Capadócia (Turkey).

André Rodrigues, Tiago Camilo, Jorge Sá Silva, Fernando Boavida, Miguel Silva, Nelson Blanco, José Pedro, João Martins, "Hermes: A versatile platform for wireless embedded systems", IEEE International Symposium on a World of Wireless Mobile and Multimedia Networks (WoWMoM 2012), June 2012, S. Francisco (USA).

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Citations

According Google Scholar Jorge Sá Silva has 1491 citations, h-index=21 and i10-index=41. More information can be found at http://scholar.google.pt/citations?user=bpipHxwAAAAJ&hl=en.

Prizes and awards

Winner of Santa Casa Challange - Social Technology, research leader, 5.000€, Lisbon, December 2016.
One of the 30 finalists (out of 1095 candidates) - 2016 European Social Innovation Competition Diogo Vasconcelos, research leader, European Union, June 2016 with the application "WeDoCare".
Young Scientist Award to his PhD student David Nunes with the paper: "D. Nunes, P. Carmona D. Raposo, D. Silva, C. Herrera e J. Sa Silva, "Happy Hour - Improving Mood With An Emotionally Aware Application", 15th International Conference on Innovations for Community Services (I4CS 2015), July 2015, Nuremberg (Germany)."
National Prize of Computer Science awarded by the Portuguese Licensed Engineers for being selected as the best report of admission 1999-2000.
Honorable Mention, "Father in Womb", in the competition "Sentient Future Competition" in the context of "Embedded WiSeNts - Project FP6-004400", January 2006.
One of the four finalists - Altran awards, "LowCost solution for water monitoring in developing countries", November 2012.
Best paper award, "On the effectiveness of end-to-end security for Internet-integrated sensing applications", iThings 2012 - The IEEE International Conference on Internet of Things, November 2012, Bezançon (France).
3rd position, Fraunhofer Portugal Challenge 2014, with the master thesis "SmartGuia: Shopping Assistant for Blind People" by the student Karen Duarte co-oriented by Prof. Pedro Furtado and Prof. Jorge Sá Silva.

Academic Management activities

Vice-president of the Department of Informatics and Engineering of University of Coimbra from 2002 to 2004.
Coordinator of the Master Course on Communication and Telematics in the Department of Informatics and Engineering of University of Coimbra from 2004 to 2005.
Coordinator of Mobility Programs for Professors and Students with foreigner universities (Erasmus programs) in the Department of Informatics and Engineering of University of Coimbra since November 2013.

Non- Academic Management activities

Coordinator of Informatic Engineering College of Portuguese Professional Engineers at Center Region - Ordem dos Engenheiros - 2016-2019.

Vive-Coordinator of Informatic Engineering College of Portuguese Professional Engineers at Center Region - Ordem dos Engenheiros - 2013-2016.

Financed Projects

Project title: "MEDIA – MARS Extensions Developed for IPv6 over ATM"
Project identification: PRAXIS/C/EEI/11223/1998
Financing entity: Portuguese Foundation for Science and Technology
Total funding: 25000 euros
Starting date: June 1999
Ending date: May 2001
Involved team members: Fernando Boavida, Edmundo Monteiro, Jorge Sá Silva, M.Sc students, B.Sc. students.
Objectives: To study the coexistence of IPv6 with the ATM technology, with special emphasis on multicast environments (point-to-multipoint, multipoint-to-multipoint and multi-point-to-point).

Project title: "6MNet – Extensions to SSM for IPv6 Multicast"
Project identification: FCT POSI/REDES/44089/2002
Financing entity: FCT POSI - Portuguese Foundation for Science and Technology
Total funding: 60000 Euros
Starting date: January 2004
Ending date: December 2005
Involved team members: Jorge Sá Silva (leader), Fernando Boavida, M.Sc students, B.Sc. students.
Objectives:
The objective of the 6MNet project is the study and evaluation a new idea in the promising SSM environment: the use of Multicast Servers. These servers will be responsible for agglutinating the traffic from the different authorised sources and for routing it to the receivers. The inherent heterogeneity of the Internet poses several challenges. As most of the multicast applications are Quality of Service (QoS) sensitive in nature, it is important that the new multicast models support QoS. The 6MNet project will evaluate the Multicast Servers in the support of different levels of QoS according to the Differentiated Services model.

Project title: "E-NET – Emerging Networking Technologies"
Project identification: IST-2001-37814
Financing entity: European Union, IST Programme
Total funding: 24000 Euros
Starting date: July 2002
Ending date: December 2003
Involved team members: Fernando Boavida, Edmundo Monteiro, Jorge Sá Silva, Paulo Simões, Marília Oliveira M.Sc students, B.Sc. students.
Objectives: The objective of the E-NET Network of Excellence is to reinforce European scientific and technological excellence in the networking area through a progressive and lasting integration of research capacities existing in the European Research Area (ERA). The context of this NoE is a continuation of the work carried out by two important COST actions in networking: COST 263 "*Quality of future Internet Services*" and COST 264 "*Enabling Networked Multimedia Group Communication*". The work in E-NET aims to be continued into the future Networks of Excellence instrument of the 6th Framework Programme of the European Commission. The means to achieve these goals is the creation of a distributed virtual centre of excellence to concentrate a critical mass of competence and skill in advanced networking research.

Project title: "E-NEXT – Emerging Networking Experiments and Technologies"
Project identification: IST-FP6-506869
Financing entity: European Union, IST Programme, FP6
Total funding: 60000 Euros
Starting date: January 2004

Ending date: December 2005
Involved team members: Fernando Boavida, Edmundo Monteiro, Jorge Sá Silva, Paulo Simões, Marília Oliveira Ph.D. students.
Objectives: E-NEXT aims to integrate a critical mass of expertise and to re-structure research practice such that Europe can take a lead in computer networking and act as a world force in this area. The main objectives of this NoE are: the development of a virtual research centre to integrate the world-class research of the members and to stimulate the exchange of personnel, the education and training of personnel inside and outside the network, the dissemination of research results and in general the spreading of excellence, and the stimulation of innovation by appropriate technology transfer into existing and new companies, both large and small.

Project title: "EuQoS - End-to-end Quality of Service support over heterogeneous networks"
Project identification: IST-FP6-2004-004503
Financing entity: European Union, IST Programme, FP6
Total funding: 500 000 Euros
Starting date: September 2004
Ending date: August 2007
Involved team members: Fernando Boavida, Edmundo Monteiro, Jorge Sá Silva, Paulo Simões, Marília Oliveira Ph.D. students.
Objectives: The motivation of the EuQoS project is to resolve the outstanding design issues presently associated with the delivery of end to end QoS service across heterogeneous networks. It is necessary to resolve these issues and accordingly upgrade the infrastructures so that new applications can be supported by the Internet and new service packages can be offered by operators, ISP and other service providers. Thus, the key objective of EuQoS is to research, integrate, test, validate and demonstrate end-to-end QoS technologies to support the infrastructure upgrade for advanced QoS-aware applications over multiple, heterogeneous network domains, belonging to research, scientific and industrial communities.

Project title: "WEIRD – WiMAX Extension to Isolated Research Data networks"
Project identification: IST-FP6- 034622
Financing entity: European Union, IST Programme, FP6
Total funding: 4.000.000 Euros
Starting date: May 2006
Ending date: April 2008
Involved team members: Edmundo Monteiro, Fernando Boavida, Jorge Sá Silva, Paulo Simões, Marília Oliveira Ph.D. students.
Objectives: WEIRD is a 24 month integrated project aiming at implementing research testbeds using the WiMAX technology in order to allow isolated or impervious areas to get connection to the GEANT2 research network. The WEIRD project consortium is made up of: prestigious key players - in the world of wireless communications and next generation networking -, scientific demanding user communities - that will drive and test the WEIRD system -, and sponsoring European national research networks – that will give connectivity, support and will exploit project results.

Project title: "CONTENT"
Project identification: IST-FP6-0384239
Financing entity: European Union, IST Programme, FP6
Total funding: 325.000 Euros
Starting date: July 2006
Ending date: June 2009
Involved team members: Fernando Boavida, Edmundo Monteiro, Jorge Sá Silva, Paulo Simões, Marília Oliveira Ph.D. students.

Objectives: CONTENT aims to build the European Research Area in this important communication topic by integrating a group of experts with the purpose of taking forward the state of the art and increasing European leadership in Content Networks. The overall goal of the CONTENT Network-of-Excellence is to integrate the research efforts of the members to address the technical challenges at the different system levels to enable easy-to-install and easy-to-use AV services in and between homes. In particular, the main technical objective will be to boost the potential of European Community Networking by improving Content Distribution infrastructures for the delivery of live (streaming) content and interactive stored content, and by integrating, in an open way, tools and mechanisms that would enable the duration of multimedia assets and their subsequent access for the benefit of the communities of users, producing a set of appropriate services for them, both in the context of the "long tail" or applied to (re-purposed) assets created by traditional broadcasters.

Project title: "GINSENG – Performance Control in Wireless Sensor Network"
Project identification: IST-FP7-ICT-2007-2
Financing entity: European Union, IST Programme, FP7
Total funding: 4.816.320 Euros
Starting date: September 2008
Ending date: August 2011
Involved team members: Jorge Sá Silva (portuguese leader), Fernando Boavida, Edmundo Monteiro, Paulo Simões, Marília Oliveira Ph.D. students.
Objectives: Research on wireless sensor networks (WSNs) has been focused on applications such as agriculture and environmental monitoring, in which network performance assurances are not considered essential. However, for many important areas, such as plant automation and health monitoring, performance assurances are crucial, especially for metrics such as delay and reliability. The GINSENG project plans a significant advance beyond the state-of-the-art by developing a performance controlled WSN that is targeted for use in a range of industrial environments. In such environments, WSN technology should result in significant savings in deployment and maintenance costs, and offers easy reconfiguration and rapid deployment in adapting to changing business needs. GINSENG is a planned network that will be based on customised software components and algorithms that will be designed to meet application-specific performance targets. GINSENG will also develop novel middleware solutions that allow the network to integrate with industry IT systems. Its operation will be proven in a large-scale oil refinery, where performance is critical for monitoring health & safety, environmental impact, and process efficiency. The GINSENG project brings together some of the top WSN research groups in Europe, a major European IT company, and a major European Petroleum company.

Project title: "Conteúdos e Middleware para Redes de Sensores sem Fios" (in portuguese)
Members: Univerity of Coimbra and Universidade Federal do Rio Grande do Sul
Financing entity: FCT (Portugal), CAPES (Brazil)
Involved team members: Jorge Sá Silva (Portuguese leader), Fernando Boavida, Ricardo Silva, André Gomes, André Rodrigues
Starting date: January 2007
Ending date: December 2009
Objectives: To propose, implement and evaluate new middleware structures to integrate wireless sensor networks and actuators with Internet of Things.

Project title: "New Methods of Data Fusion in Large-Scale Wireless Sensor Networks"
Members: University of Coimbra and University of Brno
Financing entity: FCT (Portugal), Government of Czech Republic
Involved team members: Jorge Sá Silva (Portuguese leader), Fernando Boavida, Ricardo Silva, Filipa Gaudêncio, André Rodrigues
Starting date: January 2009
Ending date: December 2009
Objectives: To propose, implement and evaluate new algorithms to large networks of sensor and actuators.

Project title: "PULSE - Inteligência de Negócio em Tempo Real" (in Portuguese)
Project identification: QREN 5354
Financing entity: FeedZai, Critical Software and Portuguese Government
Total funding: 288.168 euros
Starting date: October 2009
Ending date: June 2011
Involved team members: Jorge Sá Silva (FCTUC leader), Fernando Boavida, Ricardo Silva, André Rodrigues
Objectives: To propose new processing paradigms to large volume of data.

Project title: i-Locator
Financing entity: Eneida and Portuguese Government
Total funding: 619.875,97 euros
Starting date: April 2011
Ending date: December 2013
Involved team members: Jorge Sá Silva (CISUC leader), Fernando Boavida, Ricardo Silva, André Rodrigues
Objectives: To propose new localization methods for wireless sensor network in critical infrastructures.

Project title: iCIS - Intelligent Computing in the Internet of Services
Financing entity: Portuguese Government, Project nº 4774, CENTRO-SCT-2011-02
Total funding: 1 Keuros
Starting date: January 2013
Ending date: December 2015
Involved team members: CISUC, INESCC, IPN, UC-DEEC members
Objectives: The goal of iCIS is to perform world class research in intelligent computing for the Internet of Services and Things, and to achieve a continuum and an increased momentum in national and international cooperation on these scientific challenges, sustainable increase in critical

mass and international impact, as well as a long-term financial sustainability of the consortium by preparing it for national (e.g., QREN) and international (FP7, FP8) framework programmes and for

technology transfer and start-up promotion.

Project title: Eneida Sensing Transmitters with Energy harvesting for Assets Monitoring
Financing entity: Eneida and Portuguese Government, QREN - Quadro de Referência Estratégico Nacional, programa COMPETE 07/SI/2012 ID&T – Projecto Individual – Fase III
Total funding: 596.051,25 euros
Starting date: October 2013
Ending date: June 2015
Involved team members: Jorge Sá Silva (CISUC leader), Fernando Boavida, André Rodrigues
Objectives: To propose new wireless valves and steamtraps for online monitoring. It is also proposed a new reliable communication protocol working on 2.4 GHz.

Project title: "Optinización de la confiabilidad de sistemas de monitoreo inalámbrico de oleoductos que utilizan redes de sensores inalámbricos" as invited researcher, cód. L13302
Financing entity: Pontifica Universidad Católica del Ecuador
Total funding: 596.051,25 euros
Starting date: April 2015
Ending date: September 2015

Project title: "Optinización de la confiabilidad de sistemas de monitoreo inalámbrico de oleoductos que utilizan redes de sensores inalámbricos" as invited researcher, cód. L13302
Financing entity: Pontifica Universidad Católica del Ecuador
Total funding: 596.051,25 euros
Starting date: April 2015

Ending date: September 2015

Project title: Socialite
Financing entity: Portuguese Foundation for Science and Technology, PTDC/EEI-SCR/2072/2014
Total funding: 194 K€
Starting date: September 2015
Ending date: August 2018
Involved team members: Fernando Boavida, Jorge Sá Silva, André Rodrigues

Project title: "MobiWise: from Mobile Sensing to Mobility Advising"
Financing entity: FCT, COMPETE 2020, Portugal 2020
Total funding: €2,370,571.27
CISUC funding: €616,214.61
Other partners: Instituto de Telecomunicações, Centro de Matemática da Universidade de Coimbra
Starting date: January 2017
Ending date: January 2020
Involved team members: Marilia Curado, Edmundo Monteiro, Fernando Boavida, Jorge Sá Silva, André Rodrigues

Project title: "CentroAdapt - Centro de Vanguarda em Adaptações às Alterações Climáticas" (in Portuguese).
Financing entity: Sistema de Apoio a Ações Coletivas, Transferência do Conhecimento Cientifico e Tecnológico, Aviso Centro-46-2016-01
Total funding: 519.00€
Other partners: Associação para o Desenvolvimento da Aerodinâmica Industrial, Centro de Ciências do Mar e do Ambiente (MARE UC) e Steel Mixed Construction Technologies (UC)
Starting date: July 2017
Ending date: June 2019
Involved team members: Jorge Sá Silva, Fernando Boavida, Vasco Pereira

Project title: "Mobile Internet of Things".
Financing entity: Senescyt - Ecuador
Total funding: $2.600
Other partners: Escuela Politécnica Nacional
Starting date: April 2017
Ending date: March 2018
Involved team members: Jorge Sá Silva

Reviewer of Magazines

Journal of Network and Systems Management - Special Issue on the Management of Multimedia Networks and Services, March 2000.

Computer Communications – QofIS 2001 Special Issue, 2001.

Computer Communications Elsevier Science, since 2001.

ACM Crossroads Magazine, since 2003.

IEEE Communication Magazine since 2003.

Computer Networks Journal, since February 2006.

Elsevier Journal on Computer Networks Special Issue on Middleware Challenges for Next Generation Networks and Seamless Services, November 2006.

Wireless Personal Communications, since December 2006.

International Journal of Computer Systems Science & Engineering, December 2006.

International Journal of Sensor Networks (IJSNet) - Special Issue on "Interdisciplinary Design of Algorithms and Protocols in Wireless Sensor Networks", January 2007.

IEEE's Transactions on Parallel and Distributed Systems, April 2007.

Journal of Computer Systems, Networks, and Communications, Hindawi Publication, August 2008.

Sensors, since April 2009.

KSII Transactions on Internet and Information Systems, since April 2010.

Special Issue on Wireless Multimedia Networks and Security Services of Telecommunication Systems Journal, May 2010.

Special Issue on "Localized Algorithms for Information Fusion in Resource-Constrained Networks" of the Elsevier's Information Fusion Journal, June 2010.

Springer Wireless Networks, August 2010.

SBC Journal on 3D Interactive Systems, da Sociedade Brasileira de Computação, August 2010.

ACM Transactions on Sensor Networks, since September 2010.

IEEE Transactions on Communications, since January 2011.

IEEE's Transactions on Parallel and Distributed Systems, October 2011.

IEEE Transactions on Multimedia, March 2012.

Elsevier Neurocomputing, October2012.

International Journal of Web and Grid Services (IJWGS), November 2012.

Elsevier Computing, November 2012.

Transactions on Emerging Telecommunications Technologies, since March 2013.

Elsevier Pervasive and Mobile Computing, 2013.

Revista Politécnica da Escuela Politécnica Nacional Ecuador, since June 2013.

IEEE Communications Letters, October 2014.

Springer Wireless Networks, March 2015.

IEEE Internet of Things Journal, November 2016.

Chairmanship and Organisation of International Conferences

Workshop Chair, "2006 IFIP Networking Conference", May 2006, Coimbra (Portugal).

Publicity Co-Chair, European Conference on Wireless Sensor Networks (EWSN 2009), February 2009, Cork (Ireland).

General Co-Chair and TPC Co-Chair, European Conference on Wireless Sensor Networks (EWSN 2010), February 2010, Coimbra (Portugal).

Publicity Co-Chair, "2009 International Workshop on Network Assurance and Security Services in Ubiquitous Environments", June 2009, Seoul (Korea).

Publicity Chair, "2009 International Workshop on Wireless Multimedia Computing and Security Services (WIMUCS 2009)", December 2009, Jeju (South Korea).

Member of International Advisory Committee, The Fifth International Conference on Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), December 2009, Melbourne (Australia).

Panel Chair, First International Workshop on Networking and Games (N&G2010), April 2010, Perth (Australia).

Tutorial organiser, "Mobility in Wireless Sensor Networks", 8th International Information and Telecommunication Technologies Symposium, December 2009, Florianópolis (Brazil).

Session organizer, "Special Session on Monitoring & Control over WSN", 5th International Conference on Management and Control of Production and Logistics, September 2010, Coimbra (Portugal).

Session Organizer, "Supervision over Wireless Sensors and Actuators Networks", 9th IEEE International Conference on Industrial Informatics, July 2011, Lisbon (Portugal).

Workshop Co-Chair, "3rd International Workshop on Performance Control in Wireless Sensor Networks "PWSN 2011"", 7th IEEE International Conference on Distributed Computing in Sensor Systems (DCOSS '11), June 2011, Barcelona (Spain).

Steering Committee, International Workshop on Extending Seamlessly to the Internet of Things (esIoT 2012), July 2012, Palermo (Italy).

Session Organizer, "Control using Wireless Sensors and Actuator Networks", 10th Portuguese Conference on Automatic Control – CONTROLO'12, July 2012, Madeira (Portugal).

Co-chair of track Wireless Sensor, Ad Hoc and Mesh, The Sixth International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2012), July 2013, Palermo (Italy).

Steering Committee, International Workshop on Extending Seamlessly to the Internet of Things (esIoT 2013), July 2013, Taiwan.

National Publicity Champion da IEEE International Conference on Communication 2013 (ICC 2013), June 2013, Budapest (Hungary).

Session co-organizer, ICT 2013 Networking session on "IoP – Internet of People", Vilnius, Lithuania, November 6th, 2013. Participants: CISUC and CES(PT), University College Cork (IE), Technische Universität Braunschweig (DE), Auto-ID Lab ETH Zurich (CH), and Toshiba's Telecom Research Lab (UK).

TPC co-chair, 6th Extreme Conference on Communication and Computing (ExtremeCom), August 2014, Galápagos (Ecuador).

General co-Chair, Mobiquitous 2015 - 12th International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services, December 2015, Coimbra (Portugal).

Workshop co-organizer of "Performance Control in Wireless Sensor Networks" at International Conference on Distributed Computing in Sensor Systems (DCOSS 2015), June 2015, Fortaleza (Brasil).

General co-Chair, WoWMoM2016 - IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks, June 2016, Coimbra (Portugal).

Steering Committee, International Conference on Advances in Computing, Communications and Informatics (ICACCI-2016), September 2016, Jaipur (Índia).

Chair of Special Track on Managemnet of IoT during IFIP/IEEE International Symposium on Integrated Network Management, May 2017, Lisbon (Portugal).

Local Organisation Committees of International Conferences

Local Organising Committee, "2nd International Workshop on Quality of future Internet Services (COST263)", September 2001, Coimbra (Portugal).

Local Organising Committee, "Joint International Workshop on Interactive Distributed Multimedia Systems / Protocols for Multimedia Systems IDMS/PROMS'2002", November 2002, Coimbra (Portugal).

Local Organizing Committee, "2006 IFIP Networking Conference", May 2006, Coimbra (Portugal).

Local Organizing Committee, "WWIC 2007 – 5th International Conference on Wired / Wireless Internet Communications", May 2007, Coimbra (Portugal).

Local Organizing Committee co-chair, ACM/IEEE International Workshop on Quality of Service (IWQoS2012), June 2012, Coimbra (Portugal).

Tutorial Co-Chair ,15th IEEE International Conference on e-Health Networking, Application & Services (IEEE Healthcom2013), October 2013, Lisbon (Portugal).

Local Organizing Committee, "Conference on the Future Internet Communications", May 2013, Coimbra (Portugal).

Committees of International Conferences and Workshops (list of most relevant)

Programme Committee, Workshop on Challenges of Mobility do IFIP World Computer Congress de 2004, France, August 2004.

Programme Committee, 10th EUNICE Conference Advances in fixed and mobile networks, Finland, June 2004.

Programme Committee, 11th EUNICE Conference Networked Applications", Spain, July 2005.

Programme Committee, Parallel and Distributed Computing and Networks (PDCN 2005), Austria, February 2004.

Programme Committee, 2006 IFIP Networking Conference, Portugal, May 2006.

Programme Committee, International Conference on Telecommunications and Multimedia, Greece, July 2006.

Programme Committee, International Symposium on Performance Evaluation and Modelling of Wireless Networks - WirelessCom2006, Canada, June 2006.

Programme Committee, International Conference on Wireless Information Networks and Systems (WINSYS 2006), Portugal, August 2006.

Programme Committee, 11th EUNICE Open European Summer Scholl 2006, Germany, September 2006.

Programme Committee, 65th IEEE Vehicular Technology Conference, Ireland, April 2007.

Programme Committee, WWIC 2007 – 5th International Conference on Wired / Wireless Internet Communications", Portugal, May 2007.

Programme Committee, IADIS International Conference Wireless Applications and Computing 2007, Portugal, July 2007.

Programme Committee, 2007 IFIP Networking Conference, USA, May 2007.

Programme Committee, 5th International Information and Telecommunication Technologies Symposium, Brazil, December 2006.

Programme Committee, International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies, Gales, September 2007.

Programme Committee, International Conference on Wireless Information Networks and Systems (WINSYS 2007), IEEE, Spain, July 2007.

Programme Committee, IADIS Ibero-Americana WWW/Internet 2007, Portugal, October 2007.

Programme Committee, 1st Broadband Wireless Access Workshop, Gales, September 2007.

Programme Committee, 2nd IEEE Broadband Wireless Workhop 2008, IEEE CCNC 2008, USA, 2008.

Programme Committee, 6th International Information and Telecommunication Technologies Symposium", Brazil, December 2007.

Programme Committee, IADIS Multi Conference on Computer Science and Information Systems 2007 - Wireless Applications and Computing - WAC", Netherlands, July 2008..

Programme Committee, 3rd Broadband Wireless Access Workshop, China, May 2008.

Programme Committee, TEMU2008 International Conference on Telecommunications and Multimedia, Greece, July 2008.

Programme Committee, International Conference on Wireless Information Networks and Systems (WINSYS 2008), Portugal, July 2008.

Programme Committee, International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies, Gales, September 2008.

Programme Committee, IEEE PIMRC 2008 MAC & Cross-Layer Design Track, France, September 2008.

Programme Committee, 4th Broadband Wireless Access Workshop, USA, November 2008.

Programme Committee, 6th International Information and Telecommunication Technologies Symposium, Brazil, November 2008.

Programme Committee, IADIS Ibero Americana WWW/Internet 2008, Portugal, December 2008.

Programme Committee, Workshop on Medical Applications Networking, Germany, June 2009.

Programme Committee, Workshop on Medical Applications Networking", IEEE International Conference on Communication, June 2009, Dresden (Germany).

Programme Committee, Workshop on Pervasive and Ubiquitous Computing" (WPUC2008), 20th International Symposium on Computer Architecture and High Performance Computing, November 2008, Campo Grande (Brazil).

Programme Committee, 2009 International Workshop on Network Assurance and Security Services in Ubiquitous Environments", June 2009, Seoul (South Korea).

Programme Committee, Simpósio Brasileiro de Computação Ubíqua e Pervasiva (SBCUP), July 2009, Bento Gonçalves (Brazil).

Programme Committee, International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies, September 2009, Cardiff (UK).

Programme Committee, The Third International Conference on New Technologies, Mobility and Security", September 2009, Cairo (Egypt).

Programme Committee, Symposium on Ad-Hoc and Sensor Networks - SoftCOM 2009, September 2009, Croatia.

Programme Committee, ISCA Sensor Networks and Applications Conference, November 2009, S. Francisco (USA).

Programme Committee, 5th IEEE Broadband Wireless Access Workshop, IEEE Globecom 2009, November 2009, Honolulu (USA).

Programme Committee, The First International Conference on Advances in P2P Systems, AP2PS 2009, October 2009, Sliema (Malta).

Programme Committee, 8th International Information and Telecommunication Technologies Symposium, November 2009 (Brazil).

Programme Committee, 2009 International Workshop on Wireless Multimedia Computing and Security Services (WIMUCS 2009, December 2009, Jeju (South Korea).

Programme Committee, IEEE Consumer Communications and Networking Conference (CCNC) 2010, January 2010, Las Vegas (USA).

Programme Committee, IEEE Globecom 2010 - Communications Software, Services and Multimedia Applications Symposium, December 2010, Miami (USA).

Programme Committee, First International Workshop on Networking and Games (N&G2010), April 2010, Perth (Australia).

Programme Committee, The Second International Workshop on Medical Applications Networking (MAN 2010) in conjunction with IEEE ICC 2010, May 2010, Cape Town (South Africa).

Programme Committee, 4th International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies, July 2010, Amman (Jordan).

Programme Committee, Third International Workshop on Wireless Multimedia Computing and Security Services (WIMCUS 2010), June 2010, San Diego (USA).

Programme Committee, The 2010 International Workshop on Two-Way Relay Networks, CHINACOM2010, August 2010 Beijing(China).

Programme Committee, Simpósio Brasileiro de Computação Ubíqua e Pervasiva" (SBCUP), July 2010, Minas Gerais (Brazil).

Programme Committee, Australasian Telecommunication Network Application Conference (ATNAC 2010), November 2010, Auckland (New Zeeland).

Programme Committee, IEEE Consumer Communications and Networking Conference (CCNC) 2011, January 2011, Las Vegas (USA).

Programme Committee, International Workshop on Semantic Sensor Web, Valencia (Spain).

Programme Committee, ICC 2011 SAC EH e-Health, June 2011, Kyoto (Japan).

Programme Committee, 6th IEEE Broadband Wireless Access Workshop, IEEE Globecom 20100 December 2010, Miami (USA).

Programme Committee, Second International Conferences on Sensor Networks & Applications (SNA 2010) November 2010, Las Vegas (USA).

Programme Committee, International Conference on Ultra Modern Telecommunications and Control Systems, October 2010, Moscow (Russia).

Programme Committee, "IADIS Ibero-Americana WWW/Internet 2010", Algarve (Portugal).

Programme Committee, EWSN 2011 February 2011, Bonn (Germany).

Programme Committee 4th IFIP International Conference on New Technologies, Mobility and Security (NTMS'2011 - Mobility Track), February 2011 Paris (France).

Programme Committee HeterWMN 2010 (IEEE Globecom 2010 Workshop on Heterogeneous, Multi-hop Wireless and Mobile Networks), December 2010, Miami (USA).

Programme Committee "The Second International Conference on Advances in P2P Systems, AP2PS 2010", October 2010, Florence (Italy).

Programme Committee "The Sixth International Conference on Intelligent Sensors, Sensor Networks and Information Processing" (ISSNIP2010), December 2010, Brisbane (Australia).

Programme Committee "9th International Information and Telecommunication Technologies Symposium" December 2010, Rio de Janeiro (Brazil).

Programme Committee "ICT 2011 - 2011 18th International Conference on Telecommunications" May 2011, Aiya Napa (Cyprus).

Programme Committee "International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies" September 2010, Cardiff (Wales).

Programme Committee "IEEE Globecom 2011: Communications Software, Services, and Multimedia Applications Symposium (CSSMA)", December 2011, Houston (USA).

Programme Committee "Simpósio Brasileiro de Computação Ubíqua e Pervasiva" (SBCUP), July 2011, Natal (Brazil).

Programme Committee "International Workshop on Cloud Computing, Technology and Applications" - IWCCTA 2011, July 2011, Sevilha (Spain).

Programme Committee "International Conference on Computing, Networking and Communications, Communication Software and Services Symposium ICNC'12 – CSS", January 2012, Maui (USA).

Programme Committee "IEEE ICC 2012 - Communication Software Services and Multimedia Applications Symposium", June 2012, Ottawa (Canada).

Programme Committee "Telecommunications track of ICUMT-2011 (3rd International Congress on Ultra Modern Telecommunications and Control Systems)", October 2011, Budapest (Hungary).

Programme Committee "International Conference on Telecommunications and Signal Processing – TSP", August 2011, Budapest (Hungary).

Programme Committee "The Fifth International Conference on Sensor Technologies and Applications", August 2011, Côte d'Azur (France).

Programme Committee "5th International Conference on Internet Multimedia Systems Architecture and Application", December 2011, Bangalore (India).

Programme Committee "Workshop Smart Communication Protocols and Algorithms (SCPA 2011)", Globecom 2011, December 2011, Houston (USA).

Programme Committee "2nd International Workshop on Semantic Sensor Web", October 2011, Paris (France).

Programme Committee "7th IEEE BWA Workshop (Broadband Wireless Access Workshop)", IEEE GLOBECOM 2011, December 2011, Houston (USA).

Programme Committee "The 19th International Conference on Software, Telecommunications and Computer Networks", September 2011, Split (Croatia).

Programme Committee "SCPA-SaCoNAS Workshop", IEEE GLOBECOM 2011, December 2011, Houston (USA).

Programme Committee "Bionetics 2011 Special Track on Bio-inspired Approaches to Advanced Computing and Communications", December 2011, York (England).

Programme Committee "10th IEEE I2TS'2011 – 10th International Information and Telecommunication Technologies Conference", December 2011, Florianopolis (Brazil).

Programme Committee "IEEE ICC 2012 - NovaEnEv — First International Workshop on Novel approaches to Energy Measurement and Evaluation in Wireless Networks", June 2012, Ottawa (Canada).

Programme Committee "5th IFIP International Conference on New Technologies Mobility and Security, NTMS'2012 - Mobility &Wireless Networks Track", May 2012, Istanbul (Turkey).

Programme Committee "International Conference on Sensor Networks" - SENSORNETS 2012, February, Rome (Italy).

Programme Committee "SENSORCOMM 2012 - The Sixth International Conference on Sensor Technologies and Applications", August 2012, Rome (Italy).

Programme Committee "2nd International Workshop on Semantic Interoperability" - IWSI 2012, February 2012, Algarve (Portugal).

Programme Committee "IEEE ICC 2012 - 2nd IEEE International Workshop on Smart Communication Protocols and Algorithms", June 2012, Ottawa (Canada).

Programme Committee "2012 International Conference on Advances in Computing, Communications and Informatics (ICACCI-2012)", August 2012, Chennai (India).

Programme Committee "2012 International Conference on Telecommunications and Multimedia", July 2012, Heraklion, Crete (Greece).

Programme Committee "International Conference on Security in Computer Networks and Distributed Systems (SNDS-2012)", October 2012, Trivandrum (India).

Programme Committee PWSN 2012 - The 4th International Workshop on Performance Control in Wireless Sensor Networks", DCOSS'12, the 8th IEEE International Conference on Distributed Computing in Sensor Systems, May 2012, Hangzhou (China).

Programme Committee "The Second International Conference on Green Communications and Networking", October 2012, Gandia (Spain).

Programme Committee "6th International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies" (NGMAST'12), Septmber 2012, Paris (France).

Programme Committee "XXXII Congresso Da Sociedade Brasileira De Computação, IV Simpósio de Computação Ubíqua e Pervasiva - SBCUP 2012", July 2012, Curitiba (Brazil).

Programme Committee "8th IEEE Broadband Wireless Access Workshop", IEEE GLOBECOM 2012, December 2012, Anaheim (USA).

Programme Committee 2012 IEEE Symposium on Wireless Telecommunications Applications (ISWTA2012), September 2012, Bandung (Indonesia).

Programme Committee "2nd International Conference on Sensor Networks (SensorNets2013)", February 2013, Barcelona (Spain).

Programme Committee "International Conference on Signal Image Technology & Internet Systems" (SITIS'2012), November 2012, Naples (Italy).

Programme Committee "The 1st IEEE International Workshop on Emerging Technologies for Smart Devices" (GC'12 Workshop - ETSD 2012), December 2012, Anaheim (USA).

Programme Committee "International Conference on Sensor and Its Applications", October 2012, Taiwan.

Programme Committee "The Seventh International Conference on Systems and Networks Communications", November 2012, Lisbon (Portugal).

Programme Committee "The 20th International Conference on Software, Telecommunications and Computer Networks", September 2012, Split (Croatia).

Programme Committee "The Twelfth International Conference on Networks" (ICN 2013), January 2013, Sevilha (Spain).

Programme Committee "IV International Congress on Ultra Modern Telecommunications and Control Systems 2012 (ICUMT 2012)", October 2012, S. Petersburg (Russia).

Programme Committee International Conference on Communication 2013 - ICC'13 CSS (IEEE ICC 2013 - Communication Software and Services Symposium), June 2013, Budapest (Hungary).

Programme Committee "The Second International Conference on Green Communications and Networking", October 2012, Gandia (Spain).

Programme Committee "2012 International Conference on Connected Vehicles & Expo" (ICCVE 2012), December 2012, Beijing (China).

Programme Committee "Second International Conference on Advances in Computing, Communications and Informatics" (ICACCI-2013), August 2013, Mysore (India).

Programme Committee "IEEE International Conference on Communications 2013: IEEE ICC'13 - 3rd IEEE International Workshop on Smart Communication Protocols and Algorithms" (SCPA 2013), June 2013, Budapest (Hungary).

Programme Committee "The 10th International Conference on Mobile Web Information Systems, track Mobile cloud services", June 2013, Cyprus.

Programme Committee "5th International Wireless Summit 2013" (Wireless Vitae, WPMC, WWSMC), June 2013, New Jersey (USA).

Programme Committee "International Workshop on Pervasive Internet of Things and Smart Cities" (PITSaC-2013), The 27th IEEE International Conference on Advanced Information Networking and Applications (AINA-2013), March 2013, Barcelona (Spain).

Programme Committee "IEEE International Conference on Communications 2013: IEEE ICC'13 - 2nd IEEE International Workshop on Energy Harvesting, Measurement and Evaluation for Wireless Communications (EHMEWC)", June 2013, Budapest (Hungary).

Programme Committee "ISCI 2013 - 2013 IEEE Symposium on Computers & Informatics", April 2013, Langkawi (Malaysia).

Programme Committee "18th IEEE International Symposium on Computer and Communications" (ISCC 2013), July 2013, Split (Croatia).

Programme Committee "2013 IEEE 15th International Conference on e-Health Networking, Applications and Services (Healthcom)", October 2013, Lisbon (Portugal).

Programme Committee "V Simpósio Brasileiro de Computação Ubíqua e Pervasiva" (SBCUP), Congresso da Sociedade Brasileira de Computação, July 2013, Maceió (Brazil).

Programme Committee "V International Congress on Ultra Modern Telecommunications and Control Systems 2013", September 2013, Almaty (Kazakhistan).

Programme Committee "IEEE Global Wireless Summit 2013", June 2013, New Jersey (USA).

Programme Committee 3rd International Conference on Sensor Networks (SensorNets 2014), January 2014, Lisbon (Portugal).

Programme Committee 7th International Conference and Exhibition on Next Generation Mobile Applications, Services, and Technologies 2013 (NGMAST2013), September 2013, Paris (France).

Programme Committee The 2nd International Conference on Ubiquitous Context-Awareness and Wireless Sensor Network (UCAWSN-13), July 2013, Jeju (South Korea).

Programme Committee 2013 IEEE 18th International Workshop on Computer Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD, September 2013, Berlin (Germany).

Programme Committee 9th International workshop on Broadband Wireless Access (BWA), co-located with GLOBECOM 2013, December 2013, Atlanta (USA).

Programme Committee 16th IEEE International Conference on Computational Science and Engineering, December 2013, Sydney (Australia).

Programme Committee 6th IFIP International Conference on New Technologies, Mobility and Security (NTMS'2014) - Mobility & Wireless Networks Track, December 2014, ??? (???).

Programme Committee, The FTRA 9th International Symposium on Wireless sensor network Technologies and Applications for Smart Space (WTA 2013), September 2013, Gwangju (Korea).

Programme Committee, 2nd International Conference on Security in Computer Networks and Distributed Systems (SNDS 2014), March 2014, Trivandrum (India).

Programme Committee, 2013 International Conference on Connected Vehicles & Expo, December 2013, Las Vegas (USA).

Programme Committee, 2014 IEEE 19th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD), September 2014, Berlin (Germany).

Programme Committee, FTRA 10th International Symposium on Wireless sensor network Technologies and Applications (WTA 2014), August 2014, Krakow (Poland).

Programme Committee, PITSaC2014 - 2nd International Workshop on Pervasive Internet of Things and Smart Cities, May 2014, Vitoria (Canadá).

Programme Committee, Pervasive Media Workshop - PERM 2014, January 2014, Lisbon (Portugal).

Programme Committee, 2014 International Conference on Telecommunications and Multimedia, January 2014, Lisbon (Portugal).

Programme Committee, 2014 International Conference on Telecommunications and Multimedia, July 2014, Heraklion (Greece).

Programme Committee, 2014 Conference on Advances in Computing, Communications and Informatics, September 2014, Greater Noida (India).

Programme Committee, 2014 IEEE Symposium on Computer Applications & Industrial Electronics, April 2014, Penang (Malaysia).

Programme Committee, 8th International Conference on Sensing Technology (ICST 2014) December 2014, Liverpool (England).

Programme Committee, 17th International Symposium on Wireless Personal Multimedia Communications (WPMC'2014), September 2014, Sydney (Austrália).

Programme Committee, IEEE Asia Pacific Conference on Wireless and Mobile 2014 (APWiMob 2014), August 2014, Bali (Indonesia).

Programme Committee, 9th International Conference on Communications and Networking in China, August 2014, Maoming (China).

Programme Committee, GLOBECOM2014, December 2014, Austin (Texas).

Programme Committee, International Workshop on Multimedia Signal Processing Techniques and Applications (MSP-2014), September 2014, Delhi (India).

Programme Committee, 10th Workshop on Software Technologies for Future Embedded and Ubiquitous Systems (SEUS 2014), June 2014, Reno (USA).

Programme Committee, International Workshop on Extending Seamlessly to the Internet of Things 2014 (esIoT14), July 2014, Birminghan (United Kingdom).

Programme Committee, 2nd International Conference on Advanced Computing, Networking, and Informatics, June 2014, Kolkata (India).

Programme Committee, 19th IEEE International Symposium on Computer and Communications (IEEE ISCC 2014), June 2014, Madeira (Portugal).

Programme Committee, 6th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT6), October 2014, S. Petersburg (Russia).

Programme Committee, European Conference on Networks and Communications 2014 (EuCNC2014), June 2014, Bolonhe (Italy).

Programme Committee, 2nd International Workshop on Emerging Technologies for Smart Devices (ETSD 2014), June 2014, Benidorm (Spain).

Programme Committee, PWSN 2014, the IEEE DCoSS 2014 Workshop: 6th International Workshop on Performance Control in Wireless Sensor Networks, May 2014, Marina d'El Ray (USA).

Programme Committee, 2014 International Workshop on Mobile Applications, Barcelona, Spain (MobiApps 2014), August 2014, Barcelona (Spain).

Programme Committee, 4th International Conference on Sensor Networks (SENSORNETS 2015) February 2015, Angers (France).

Programme Committee, 8th International Conference on Next Generation Mobile Applications, Services, and Technologies 2014 (NGMAST2014), September 2014, Oxford (UK).

Programme Committee, 1st Workshop on IoT - Internet of Things (IoT 2014), in the context of 9th Iberian Conference on Information Systems and Technologies, realizJuly 2014, Barcelona (Spain).

Programme Committee, 2014 IEEE 16th International Conference on e-Health Networking, Applications and Services (Healthcom 2014), October 2014, Natal (Brazil).

Programme Committee, International Conference on Contemporary Computing and Informatics (IC3I), November 2014, Mysore (India).

Programme Committee, "Simpósio Brasileiro de Computação Ubíqua e Pervasiva" in the context of "24º Congresso da Sociedade Brasileira de Computação", July 2014, Brasilia (Brazil).

Programme Committee, The 2nd FTRA International Conference on Ubiquitous Computing Application and Wireless Sensor Network (UCAWSN-14), July 2014, Jeju (South Korea).

Programme Committee, 6th IEEE Latin-American Conference on Communications (LATINCOM 2014), November 2014, Cartagenas das Índias (Colombia).

Programme Committee, 2014 International Conference on Connected Vehicles & Expo (ICCVE2014), November 2014, Vienna (Austria).

Programme Committee, 2014 IEEE Symposium on Industrial Electronics and Applications (ISIEA 2014), September 2014, Kota Kinabalu (Malaysia).

Programme Committee, IEEE International Conference on Communications (ICC 2015) - Communications Software, Services and Multimedia Applications Symposium and Selected Areas in Communications (SAC)) 3-CEH e-Health Track, June 2015, London (England).

Programme Committee, 20th IEEE International Symposium on Computer and Communications, (ISCC2015) July 2015, Lamaca (Cyprus).

Programme Committee, Fourth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015), August 2015, Aluva, Kochi, (India).

Programme Committee, 3rd World Conference on Information Systems and Technologies, April 2015, São Miguel (Portugal).

Programme Committee, 12th International Conference on Mobile Web and Intelligent Information Systems (MobiWis 2015), August 2015, Rome (Italy).

Programme Committee, 1st International Conference on Recent Advances in Internet of Things (RIoT 2015), April 2015, Singapore.

Programme Committee, ICC'15 - 4th IEEE SCPA 2015 (IEEE International Conference on Communications 2015 - 4th IEEE International Workshop on Smart Communication Protocols and Algorithms (SCPA 2015)), June 2015, London (England).

Programme Committee, First International Conference on Computing in Mechanical Engineering (ICCME'15), August 2015, Kochi (India).

Programme Committee, 7th IFIP International conference on New Technologies, Mobility & Security - Mobility & Wireless Networks Track, July 2015.

Programme Committee, 7th IEEE Wireless Communications and Networking Conference (WCNC 2015), March 2015, New Orleans (USA).

Programme Committee, Asia Pacific Conference on Wireless and Mobile 2015 (APWiMob 2015), August 2015, Bandung-West Java (Indonesia).

Programme Committee, SENSORCOMM 2015 - The Ninth International Conference on Sensor Technologies and Applications, August 2015, Venice (Italy).

Programme Committee, 7th International Congress on Ultra Modern Telecommunications and Control Systems, October 2015, Brno (Czech Republic).

Programme Committee, 2015 IEEE 20th International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (CAMAD), September 2015, University of Surrey, Guildford (UK).

Programme Committee, 2015 IEEE Global Communications Conference: Selected Areas in Communications: E-Health, December 2015, S.Diego (USA).

Programme Committee, 2015 International Conference on Computing and Network Communications (CoCoNet'15), December 2015, Trivandum (India).

Programme Committee, 3rd International Workshop on Smart Sensor Protocols and Algorithms in conjution with WMNC2015, June2015, Novi Sad (Serbia).

Programme Committee, IEEE 7th Latin-American Conference on Communications (LATINCOM 2015), realizada de 4 a 6 de Novembro de 2016 em Arequipa (Peru).

Programme Committee, XXXV Congresso da Sociedade Brasileira de Computação (in Portuguese), July 2015, Recife (Brazil).

Programme Committee, 2015 IEEE World Forum on Internet of Things (WF-IoT, realizada de 14 a 16 de Dezembro de 2015 em Milão (Itália).

Programme Committee, International Conference on Instrumentation control, Cognitive science, Optics, Micro electro-mechanical system, and Information technology (ICACOMIT), October 2015, Bandung (Indonesia).

Programme Committee, IEEE Healthcom 2015 - IEEE 17th International Conference on e-Health Networking, Applications and Services, October 2015, Boston (USA).

Programme Committee, 2015 International Symposium on Web of Things and Big Data (WoTBD 2015), August 2015, Niagara Falls (Canada).

Programme Committee, International Conference on Control, Electronics, Renewable Energy, and Communications 2015 (ICCEREC 2015), August 2015, Bandug (Indonesia).

Programme Committee, Workshop on Distributed Systems for Coordinated Disaster Management (CORDIM 2016), January 2016, Calcutta (India).

Programme Committee, 9th International Conference on Next Generation Mobile Applications, Services and Technologies 2015 (NGMAST'15), September 2015, Cambridge (United Kingdom).

Programme Committee, IEEE International Conference on Communications (ICC'16): SAC E-Health and SAC Internet of Things, May 2016, Kuala Lumpur (Malaysia).

Programme Committee, IEEE International Conference on Communications (ICC'16): Communication QoS, Reliability and Modeling Symposium, May 2016, Kuala Lumpur (Malaysia).

Programme Committee, 2015 International Conference on Integrated and Sustainable Transportation (INTGAST'2015), December 2015, Melaka (Malaysia).

Programme Committee, Workshop on Signal Processing for Wireless and Multimedia Communications (SPWMC'15), December 2015, Trivadum (Índia).

Programme Committee, 18th IEEE Mediterranean Electrotechnical Conference, April 2016, Limassol (Cyprus).

Programme Committee, The 36th IEEE International Conference od Distributed Computing Systems (ICDS 2015), June 2016, Nara (Japan).

Programme Committee, IEEE ICC 2016 - Communications Software, Services and Multimedia Applications Symposium, May 2016, Kuala Lumpur (Malaysia).

Programme Committee, 3th International Conference on Mobile Web and Intelligent Information Systems (MobiWis 2016), August 2016, Vienna (Austria).

Programme Committee, 15th IEEE International Symposium on Signal Processing and Information Technology 2015 (ISSPIT- 2015), December 2015, Abu Dhabi (UAE).

Programme Committee, IEEE 2015 International Conference on Connected Vehicles & Expo, October 2015, Shenzhen (China).

Programme Committee, 2016 International Symposium of Information and Internet Technology (SYMINTECH), January 2016, Melaka (Malaysia).

Programme Committee, "Pervasive Information System Workshop" - World Conference on Information Systems and Technologies (WorldCIST'16), March 2016, Recife (Brazil).

Programme Committee, 2016 Asia Pacific Conference on Multimedia and Broadcasting (APMediaCast 2016), May 2016, Yogyakarta (Indonesia).

Programme Committee, 2016 International Conference on Telecommunications and Multimedia (TEMU2016), July 2016, Heraklion (Greece).

Programme Committee, Fourth International Symposium on Security in Computing and Communications (SSCC'16), September 2016, Jaipur (India).

Programme Committee, 2016 International Conference on Control, Electronics, Renewable Energy and Communications, September 2016, Bandung (Indonesia).

Programme Committee, 21st IEEE International Symposium on Computer and Communications (IEEE ISCC 2016), June 2016, Messina (Italy).

Programme Committee, 9th IFIP International Conference on New Technologies, Mobility and Security (NTMS'2016), November 2016, Larnaca (Cyprus).

Programme Committee, 2016 8th International Congress on Ultra Modern Telecommunications and Control Systems and Workshops (ICUMT2016), October 2016, Lisbon (Portugal).

Programme Committee, 2016 IEEE World Forum on Internet of Things (WF-IoT 2016), December 2016, Reston (USA).

Programme Committee, 2016 IEEE Global Communications Conference: Selected Areas in Communications: E-Health, December 2016, Washington DC (USA).

Programme Committee, The 3rd EAI International Conference on Green Communications and Networking, June 2016, Valencia (Spain).

Programme Committee, XXXVII Congresso da Sociedade Brasileira de Computação 2016, July 2016, Porto Alegre (Brasil).

Programme Committee, 2016 IEEE Industrial Electronics and Applications Conference (IEACon 2016), November 2016, Kota Kinabalu (Malaysia).

Programme Committee, 13th International Conference on Mobile Web Information Systems (MobiWIS 2016), August 2016, Vienna (Austria).

Programme Committee, The 5th IEEE International Conference on Communication, Networks and Satellite (IEEE COMNETSAT 2016), December 2016, Surabaya (Indonésia).

Programme Committee, 2016 International Symposium on Web of Things and Big Data (WoTBD 2016), September 2016, London (England).

Programme Committee, IEEE 21st International Workshop on Computer Aided Modelling and Design of Communication Links and Networks (CAMAD2016), October 2016, Toronto (Canada).

Programme Committee, 2016 Advancement Research on Circuit and Systems International Conference (ARONCAS'2016), September 2016, University of Hradec Kralove (Czech Republic).

Programme Committee, 10th International Conference on Next Generation Mobile Applications, Services and Technologies 2016 (NGMAST2016), Cardiff (Wales) August 2016.

Programme Committee, Fourth International Symposium on Intelligent Informatics (ISI'16) co-affiliated with Fifth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2016), Japur (Índia), Setember 2016.

Programme Committee, 8th Latin-American Conference on Communications (LATINCOM 2016), Medellin (Colômbia), November 2016.

Programme Committee, IEEE Global IoT Summit (GIoTS-2017), collocated with 2017 IoT Week organised by IoT Forum, June 2017.

Programme Committee, Symposium on Signal Processing for Wireless and Multimedia Communications (SPWMC'16), Jaipur (Índia), September 2016.

Programme Committee, 2016 International Symposium on Wireless Personal Multimedia Communications (WPMC), Shenzhen (China), November 2016.

Programme Committee, 13th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2016), Agadir (Morocco), November 2016.

Programme Committee, IEEE International Conference on Communications 2017 (ICC 2017), tracks: 1) Communications Software, Services, and Multimedia Applications Symposium; 2) SAC Symposium E-Health Track; 3) SAC Symposium Internet of Things Track, May 2017, Paris (France).

Programme Committee, The 2017 IEEE 18th International Symposium on "A World of Wireless, Mobile and Multimedia Networks" (WoWMoM), June 2017, Macau (China).

Programme Committee, 2017 International Conference on Control Theory and Its Application (CNTIA'2017), February 2017, Langkawi Island - Kedah (Malaysia).

Programme Committee, IFIP/IEEE Wireless Days 2017, March 2017, Porto (Portugal).

Programme Committee, International Conference on Advanced Computational and Communication Paradigm and Applications (ICACCPA 2017), December 2017, Kolkata (Índia).

Programme Committee, Empowering IoT with Agency and Cognition, in the context of 15th International Conference on Practical Applications of Agents and Multiagent Systems, June 2017, Porto (Portugal).

Programme Committee, The 14th International Conference on Mobile Web and Intelligent Information Systems, August 2017, Prague (Czech Republic).

Programme Committee, The International Symposium on Ubiquitous Networking 2017, May 2017, Casablanca (Morocco).

Programme Committee, International Workshop on Smart Sensor Networks & Applications, July 2017, Cambridge (UK).

Programme Committee, 4th International Conference on Mobile and Wireless Technology, June 2017, Kuala Lumpur (Malaysia).

Programme Committee, 2017 International Multidisciplinary Modeling and Simulation Multiconference (I3M 2017) September 2016, Barcelona (Spain).

Programme Committee, 1st 2017 Global IoT Summit, June 2017, Geneve (Switzerland).

Programme Committee, International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), September 2017, Udupi (India).

Programme Committee, The 6th IEEE International Conference on Communication, Networks and Satellite (IEEE COMNETSAT 2017), October 2017, Semarang (Indonesia).

Programme Committee, The International Conference on Information and Communication Systems (ICICS 2017) - Track 11: Digital Living including E-Learning, E-Government, E-Health, April 2017, Irbid (Jordan).

Programme Committee, EAI International Conference on Ubiquitous Communications and Network Computing, August 2017, Bangalore (India).

Programme Committee, 22nd IEEE International Symposium on Computer and Communications (ISCC 2017), July 2017, Heraklion (Crete).

Programme Committee, 9th IEEE-GCC Conference and Exhibition 2017, de 3 a 7 de Maio de 2017 em Manama (Bahrain).

Programme Committee, International Conference on Internet of Things and Machine Learning, October 2017, Liverpool (UK).

Programme Committee, 7th International Conference on Simulation and Modeling Methododlogies, Technologies and Applications, July 2017, Madrid (Spain).

Programme Committee, XXVII Congresso da Sociedade Brasileira de Computação (CSBC 2017) - Simpósio Brasileiro de Computação Ubíqua e Pervasiva (IX SBCUP), July 2017, São Paulo (Brazil).

Programme Committee, 2017 IEEE Global Communications Conference: Communication QoS, Reliability and Modeling (Globecom2017 CQRM), December 2017, Singapure.

Programme Committee, 2017 International Conference on Control, Electronics, Renewable Energy and Communications (ICCEREC2017), December 2017, Yogyakarta (Indonesia).

Programme Committee, IEEE 22nd International Workshop on Computer Aided Modelling and Design of Communication Links and Networks (IEEE CAMAD2017), June 2017, Lund (Sweden).

Programme Committee, The 3rd Annual IoT Global Innovation Forum 2017, June 2017, Barcelona (Spain).

Programme Committee, "EAI International Conference on Ubiquitous Communications and Network Computing", August 2017, Bangalore (India).

Programme Committee, Sixth IEEE International Conference on Advances in Computing, Communications and Informatics (ICACCI'17), September 2017, Manipal (India).

Programme Committee, 2017 IEEE Industrial Electronics and Applications Conference (IEACon 2017)", August 2017, Kuala Lumpur (Malásia).

Programme Committee, 10th IEEE International Conference on Service Oriented Computing Applications (SOCA)", November 2017, Kanazawa (Japan).

Programme Committee, "10th International Conference on Security, Privacy and Anonymity in Computation, Communication and Storage (SpaCCS 2017)", December 2017, Guangzhou (China).

Programme Committee, "9th Latin-American Conference on Communications" - LatinCom 2017, November 2017, City of Guatemala (Guatemala).

Programme Committee, 15th ACM Conference on Embedded Networked Sensor Systems (SenSys 2017) Workshop - Cognitive IoT 2017 – 1st International Workshop on Empowering IoT with Cognition and Intelligent Agents, November 2017, Delft (Netherland).

Programme Committee, 2018 4th IEEE World Forum on Internet of Things, February 2018, Singapore.

Programme Committee, 8th IFIP International Conference on New Technologies, Mobility and Security '2018 - Mobility & Wireless Networks Track, February 2018, Paris (France).

Programme Committee, 2017 19th International Conference on E-health Networking, Application & Services (HealthCom)", October 2017, Dalian (China).

Committees of National Conferences and Workshops

Local Organising Committee, 2nd International Workshop on Quality of future Internet Services (COST263), Portugal, September 2001.
Programme Committee "5ª Conferência de Redes de Computadores", Fundação para a Computação Científica Nacional (FCCN), September 2002, Faro.
Programme Committee "6ª Conferência de Redes de Computadores", Session chair and President of the jury, Instituto Politécnico de Bragança, Fundação para a Computação Científica Nacional (FCCN), September 2003, Bragança.
Programme Committee "8ª Conferência de Redes de Computadores", Fundação para a Computação Científica Nacional (FCCN), Universidade do Minho, September 2005, Portalegre.
Session chair, "Ad-hoc, Sensor, and Home Networking", 3º Seminário da Rede Temática de Comunicações Móveis (RTCM), ERICSSON, February 2006, Lisboa.
Programme Committee, "Conferência de Sistemas Móveis e Ubíquos", Universidade do Minho, June 2006, Braga.
Programme Committee, "9ª Conferência de Redes de Computadores", Instituto Superior Técnico, Fundação para a Computação Científica Nacional (FCCN), October 2009, Lisboa.
Programme Committee, "Conferência Engenharias 2009", Faculdade de Engenharia da Universidade da Beira Interior, Covilhã.
Programme Committee, "10ª Conferência de Redes de Computadores (CRC2010)", Universidade do Minho, November 2010, Braga.
Programme Committee, "11ª Conferencia sobre Redes de Computadores" (CRC2011), November 2011, Coimbra.
Programme Committee, "12ª Conferencia sobre Redes de Computadores" (CRC2012), November 2012, Aveiro.
Programme Committee, Session "Computação Móvel e Ubíqua", INForum 2013 - Simpósio de Informática, September 2013, Évora.
Programme Committee, "13ª Conferencia sobre Redes de Computadores" (CRC2013), November 2013, Leiria.
Programme Committee, "11th Portuguese Conference on Automatic Control" (Controlo 2014), July 2014, Porto.
Programme Committee, Session "Computação Móvel e Ubíqua", INForum 2014 - Simpósio de Informática, September 2014, Porto.
Programme Committee, Workshop on Internet of Things - WorldCIST, April 2015, Ponta Delgada - Azores.
Programme Committee, Workshop de Computação Móvel e Ubíqua @ INForum 2015, September 2015, Covilhã.

Programme Committee, ICEUBI2015 - International Conference on Engineering – Engineering for Society, December 2015, Covilhã.

Programme Committee, Computação Móvel e Ubíqua @ INForum 2015, September 2015, Covilhã.

Programme Committee, 12th Portuguese Conference on Automatic Control – CONTROLO 2016, September 2016, Guimarães.

Programme Committee, "14ª Conferencia sobre Redes de Computadores" (CRC2015), November 2015, Évora.

Programme Committee, "Sessão temática sobre Comunicações e Redes de Computadores - INForum - Simpósio de Informática", September 2016, Instituto Superior Técnico de Lisboa, Lisbon.

Programme Committee, "Sessão temática Computação Móvel e Ubíqua - INForum - Simpósio de Informática", September 2016, Instituto Superior Técnico de Lisboa, Lisbon.

Programme Committee, "16ª Conferencia sobre Redes de Computadores (CRC2017)", October 2017, Universidade de Aveiro.

Programme Committee, "Sessão temática Computação Móvel e Ubíqua - INForum - Simpósio de Informática", October 2017, University of Aveiro, Aveiro.

Chairmanship and Organisation of Portuguese Conferences

Co-organizer, 2º Workshop da Rede Temática de Comunicações Móveis (RTCM), July 2005, Universidade de Coimbra.

Organizer, Session "Ad-hoc, Sensor, and Home Networking", 3º Seminário da Rede Temática de Comunicações Móveis (RTCM), ERICSSON, February 2006, Lisbon.

Co-organizer, 11º Seminário da Rede Temática de Comunicações Móveis (RTCM), March 2010, Universidade de Coimbra.

General Chair, "1st Portuguese Conference on Wireless Sensor Networks", March 2011, Coimbra.

General Co-Chair, 11ª Conferencia sobre Redes de Computadores (CRC2011), November 2011, Coimbra.

Co-organizer, 14º meeting of da Rede Temática de Comunicações Móveis, July 2011, Instituto Superior de Engenharia do Porto.

Organizer, "4th Think-Tank Meeting - Internet of Connected Objects", July 2011, Universidade de Coimbra.

Co-organizer of Session, "Internet das Coisas e Serviços", Inforum 2012, September 2012, Universidade Nova de Lisboa.

Member of the organizing committe, "Por uma engenharia solidária", ONG Engenharia para o Desenvolvimento e Assistência Humanitária, November 2012.

Co-organizer, 21st meeting of Rede Temática de Comunicações Móveis, July 2015, INESC-TEC Porto.

Requested patents

"Confined horse monitoring system has monitoring unit placed in environment, where wireless sensor is arranged in network interface", J. Sá Silva, T. Camilo e André Rodrigues, Patent Number(s): PT103877-A1, Patent Assignee Name(s) and Code(s):SA S J M(SASJ-Individual), DO N PEREIRA CAMILO T A D(CAMI-Individual), DE A MARRAO RODRIGUES A M(RODR-Individual), Publ. Date: 7 May 2009, http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=2009K01454&page=1&qid=1&log_event=no&viewType=fullRecord&SID=1B8BgjK8oIbAIFlBE83&product=UA&doc=6&search_mode=GeneralSearch

"Real time system for monitoring weight of bedridden patients, comprises set of sensory tapes placed under mattress", J. Sá Silva, R. Silva e Álvaro Silva, Patent Number: PT104628-A1, Patent Assignee: UNIV COIMBRA, Publ. Date: 12 Jan 2011, http://apps.webofknowledge.com/full_record.do?colName=DIIDW&recordID=2011B49255&page=1&qid=1&log_event=no&viewType=fullRecord&SID=1B8BgjK8oIbAIFlBE83&product=UA&doc=2&search_mode=GeneralSearch

Affiliations

The Institute of Electrical and Electronics Engineers (IEEE), Communications Society and Computer Society, Member nº 40230587, since January 1994.
Portuguese Licensed Professional Engineer - Ordem dos Engenheiros - member nº 38019, since September 1995.
Global Member of Internet Society (ISOC) - Portugal Chapter, since July 2012.

Activities on applied technology to social impact

Member of the Non-Governmental Agency (NGO) Engineering for Development and Humanitarian Assistance (EPDAH) since 2012.

Organizing Committee of the conference "Por uma engenharia solidária / Solidarity Engineering", 24 November 2012 in Coimbra.

One of the four finalists - Altran awards, "LowCost solution for water monitoring in developing countries", November 2012.

3rd position, Fraunhofer Portugal Challenge 2014, with the master thesis "SmartGuia: Shopping Assistant for Blind People" by the student Karen Duarte co-oriented by Prof. Pedro Furtado and Prof. Jorge Sá Silva.

Coordenation and supervision of two of his students in a social project in Uige (Angola) - network instalation and classes support of network managemente using open source solutions, from June to August 2013.

Winner of Santa Casa Challange - Social Technology, December 2016.