
DR. SALVATORE FLAVIO PILEGGI



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October 10th, 1979 /Italy
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Resume

I'm a **Research Fellow** in the School of Information Technology and Electrical Engineering (ITEE) at the **University of Queensland** (Australia). My research is currently focusing on different aspects of **Computational Science** and **eResearch**, including, among others, **Knowledge Representation**, **Data Engineering** and **Analytics**.

Previously, after a short experience as a Software Engineer in 2007, I have held research-focused positions at leading institutions in Spain (**Polytechnic University of Valencia**, 2007-2012), in New Zealand (**University of Auckland**, 2013-2014) and in France (**INRIA & UPMC-LIP6**, 2014-2016). In those years I have been working across multiple research areas including (but not limited to) Cyber-Physical Systems, Semantic Technologies and Cloud Computing.

I have taught **Databases** at the Polytechnic University of Valencia (Spain), **Principles of programming** at the University of Auckland (New Zealand) and, more recently, **Semantic Knowledge Engineering and Application** as an invited professor at the University of the Andes (Colombia).

I received a **M.Sc. in Computer Engineering** from the University of Calabria (Italy) in 2005 and a **Ph.D. (Cum Laude) in Communications** from the Polytechnic University of Valencia (Spain) in 2011.

I have authored/co-authored **well over 40 peer-reviewed research papers**, including papers in journals and conferences, as well as book chapters. My first paper (2006) has been awarded (Best Paper Award) at ICWMC 2006. In 2012 I edited the book "Semantic Interoperability: Issues, Solutions, Challenges".

I'm constantly involved in technical committees of selected scientific events, as well as I periodically review for top-level international journals. Since 2014 I'm acting as a reviewer (Featured Reviewer since 2017) for ACM Computing Reviews where I regularly publish my reviews. I chaired several international workshops (SSW 2010, SSW 2011, IWSI 2011, IWSI 2012, IWCCCTA 2011 and UXeLATE 2012), in conjunction with relevant international conferences. I acted as a Guest Editor for Future Internet (MDPI) in 2012 and 2014.

During the past years I have been actively working in several multi-disciplinary **collaborative research projects**, involving specialists from industry and academia.

Work Experience

Current Position

Institution/Company: **The University of Queensland (Australia)**
Period: October 2016-Present
Department/Unit: School of Inf. Technology and Electrical Eng. (ITEE)
Position: Research Fellow

Institution/Company: **University of the Andes (Colombia)**
Period: June 2017-July 2017
Department/Unit: School of Engineering
Position: Invited Professor

Past Positions

Institution/Company: **INRIA (France)**
Period: December 2014-September 2016
Department/Unit: University of Pierre and Marie Curie - LIP6
Position: Research Engineer

Institution/Company: **The University of Auckland (New Zealand)**
Period: May 2013-November 2014
Department/Unit: Department of Computer Science
Position: (PostDoc) Research Fellow

Institution/Company: **Polytechnic University of Valencia (Spain)**
Period: April 2007-December 2012

- June 2012-December 2012, Researcher at the Department of Systems & Computers (DISCA)
- February 2011-May 2012, Project Manager at ITACA-TSB
- Abril 2007-December 2010, Researcher at the Department of Communications (DCOM)

Institution/Company: **Métodos Y Tecnologías (Spain)**
Period: February 2007-March 2007
Position: Software Engineer

Education

Main Degrees

Degree: **Ph.D. in Communications (Cum laude)**
Institution: Polytechnic University of Valencia (UPV), Spain.
Date: March 2011
Dissertation: Diseño, Especificación, Validación y Aplicación de una Arquitectura modular de gestión de Redes Inalámbricas de Sensores.

Degree: **M.Sc. in Computer Engineering (Bachelor+Master)**
Institution: University of Calabria (UNICAL), Italy.
Date: July 2005
Dissertation: Sviluppo in Griglia di un sistema di redirezione richieste per Content Distribution Networks.

[see: Giancarlo Fortino, Wilma Russo, Using P2P, GRID and Agent technologies for the development of content distribution networks, Future Generation Computer Systems 24 (2008), pp. 180–190]

Other Degrees

Advanced Research Degree in Telematic Engineering (Polytechnic University of Valencia, Spain, 2007).

Academic Specialist in Telecommunications (Polytechnic University of Valencia, Spain, 2006).

Interchanging student (Scholarship under ERASMUS Program, from University of Calabria to Polytechnic University of Valencia, academic year 2004/2005).

Languages

| | |
|----------------|--------------------------|
| Italian | Native |
| Spanish | Fluent (self-assessment) |
| English | Good (IELTS, July 2016) |
| French | Basic (self-assessment) |

Teaching

Supervision

Master Thesis

Project: Simulation and analysis of fire dynamics

Candidate: Junming Xu

Role: Main Supervisor

Academic Year: 2017

Project: Social Networks as Urban Indicators

Candidate: Mingjun Suo

Role: Supervisor

Academic Year: 2017

Project: Social Networks as Urban Indicators
Candidate: Yifeng Ji
Role: Supervisor
Academic Year: 2017

Lectures

Academic Courses

(*) Academic year 2017

Semantic Knowledge Engineering and Application (postgraduate)

University of the Andes (Colombia)

This course is aimed at providing the principles underpinning the current Web semantic technology, as well as the skills required to enable that technology in real environments, eventually within complex systems. Bridging the gap between theory and application requires a contextual understanding of the semantic technology, in which the different aspects of knowledge and software engineering converge according to an integrated methodology. We establish such a methodology holistically and step-by-step, involving progressively all the assets required (languages, tools, software APIs) to build complete semantic ecosystems. An overview of the most popular applications, both with the empirical evaluation of the performance, is an added value for the course which ends exploring the possible evolution of the semantic technology as well as some research open issues. I have been responsible of the whole course, including preparation, lecturing, examination and marking.

(*) Academic year 2014

Principles of Programming (undergraduate)

The University of Auckland (New Zealand)

This course is an introduction to programming computers. It is the main introductory course in the Computer Science department and is taken by students from a variety of disciplines wishing to have an understanding of computer programming as well as students wanting to continue on to further studies in Computer Science. It adopts the cross-platform language Python. I have been responsible of last third part of the course aimed at the consolidation of the knowledge previously acquired by writing simple, yet not obvious, programs. Apart from lecturing and marking, for that part, I have been in charge of preparing the material for the lectures and the exam papers.

(*) Academic year 2009-10 / 2010-11

Databases (postgraduate)

Polytechnic University of Valencia (Spain)

This course is aimed at postgraduate students (Master) and wants to provide advanced knowledge about relational databases. The course adopts Oracle technology and is structured in three main parts, including db design, db optimisation and db management. I have been responsible of the whole course, including preparation, lecturing, examination and marking.

Professional Courses

2006-2008

Principles of Object-Oriented Programming

Object-Oriented Programming in Java

Computer Networks

Software Engineering

Publications (83)

Editorships (9)

Edited Books (1)

Semantic Interoperability: Issues, Solutions, Challenges, Eds. Salvatore F. Pileggi and Carlos Fernandez-Llatas, River Publishers, 2012, ISBN: 978-87-92329-79-0.

Conference Proceedings (6)

International Workshop on User Experience in e-Learning and Augmented Technologies in Education, UXeLATE 2012, Eds. David Fonseca, Xenophon Zabulis, ArianitKurti, Salvatore F. Pileggi, Heedong Ko, Naeem Ramzan (in Proceedings of ACM Multimedia 2012, October 29 - November 2, 2012, Nara, Japan, ISBN: 978-1-4503-1593-7).

International Workshop on Semantic Interoperability 2012, IWSI 2012, Ed. Salvatore F. Pileggi (in Proceedings of the 4th International Conference on Agents and Artificial Intelligence, ICAART 2012, ISBN: 978-989-8425-95-9).

International Workshop on Semantic Sensor Web 2011, SSW 2011, Ed. Salvatore F. Pileggi (in Proceedings of the 3rd Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, IC3K 2011, ISBN: 978-989-8425-80-5).

International Workshop on Cloud Computing, Technology and Applications 2011, IWCCTA 2011, Eds. Salvatore F. Pileggi and Carlos Fernandez-Llatas (in Proceedings of the 6th International Conference on

Software and Database Technologies, ICSoft 2011, ISBN: 978-989-8425-76-8).

Semantic Interoperability - Proceedings of IWSI 2011, Ed. Salvatore F. Pileggi, SciTePress, 2011, ISBN: 978-989-8425-43-0.

Semantic Sensor Web - Proceedings of SSW 2010, Eds. Salvatore F. Pileggi and Carlos E. Palau, SciTePress, 2010, ISBN: 978-989-8425-33-1.

Special Issues in Journals (2)

Semantic Geographic Information System (Semantic GIS), Eds. Salvatore F. Pileggi and Robert Amor, a special issue of Future Internet (ISSN 1999-5903), 2014.

Semantic Interoperability and Knowledge Building, Ed. Salvatore F. Pileggi, a special issue of Future Internet (ISSN 1999-5903), 2012.

Peer-reviewed Research Papers (44)

Papers in Journals (7)

Salvatore F. Pileggi, **Looking deeper into Academic Citations through Network Analysis: Popularity, Influence and Impact**, Universal Access in the Information Society (UAIS), [to appear 2017](#). ISSN: 1615-5289.

Salvatore F. Pileggi, **Web of Similarity**, Journal of Computational Science. [to appear 2017](#). ISSN: 1877-7503.

Salvatore F. Pileggi, **Optimistic Scheduling: facilitating the collaboration by prioritizing the individual needs**, EAI Endorsed Transactions on Collaborative Computing, Volume 1, Issue 6, pp.1-9, December 2015. ISSN: 2312-8623.

Salvatore F. Pileggi and Robert Amor, **Addressing Semantic Geographic Information Systems**, Future Internet, 2013, Volume 5, Issue 4, pp. 585-590, December 2013. ISSN: 1999-5903.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Vicente Traver, **When the Social Meets the Semantic: Social Semantic Web or Web 2.5**, Future Internet, 2012, Volume 4, Issue 3, pp. 852-864, September 2012. ISSN: 1999-5903.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Vicente Traver, **A Semantic Layer for Embedded Sensor Networks**, ARPN Journal of Systems and Software, Vol.1 No.3, pp. 101-107, June 2011. ISSN: 2222-9833.

Benjamin Molina, Salvatore F. Pileggi, Manuel Esteve, Carlos E. Palau, **A Negotiation Framework for Content Distribution in Mobile Transient Networks**, Journal of Network and Computer Applications, Volume 32, Issue 5 (Special issue on Next Generation Content Networks), pp. 1000-1011, September 2009. ISSN: 1084-8045.

Short Communications / Letters (1)

Salvatore F. Pileggi, **Getting Web Semantics closer to Human Semantics: Uncertainty as a Similarity**, National Academy Science Letters, to appear 2017. ISSN: 2250-1754.

Contributions in Magazines (1)

Salvatore F. Pileggi, **Is Big Data the new “God” on Earth?**, IEEE Technology and Society Magazine, Volume 35, Issue 1, pp.18-20, March 2016. ISSN: 0278-0097.

Book Chapters (7)

Salvatore F. Pileggi and Robert Amor, **Semantic Geographic Space: from Big Data to Ecosystems of Data**, Big Data in Complex Systems: Challenges and Opportunities, Eds. A.E.Hassanien, A.T.Azar, V.Snasel, J.Kacprzyk, J.H.Abawajy. Springer (2015). pp.351-374. ISBN: 978-3-319-11055-4.

Carlos Fernandez-Llatas, Salvatore F. Pileggi, Gema Ibañez, Zoe Valero and Pilar Sala, **Cloud Computing for Context-Aware Enhanced m-Health Services**, Data Mining in Clinical Medicine, Eds. C. Fernández- Llatas, J.M. García-Gómez. Springer (2015). pp.147-155. ISBN: 978-1-4939-1984-0.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, **Towards Semantic Resources in the Cloud**, J. Filipe and A. Fred (Eds.): ICAART 2012, CCIS 358, pp. 407--416. Springer, Heidelberg (2013). ISBN: 978-3-642- 36907-0.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Vicente Traver, **Metropolitan Ecosystems among Heterogeneous Cognitive Networks: Issues, Solutions and Challenges**, A. Fred et al. (Eds.): IC3K 2011, CCIS 348, pp. 323--333. Springer, Heidelberg (2013). ISBN: 978-3-642-37186-8.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, **Towards Semantic Interoperability**, Semantic Interoperability: Issues, Solutions, Challenges, Eds. Salvatore F. Pileggi and Carlos Fernandez-Llatas, pp. 3- 5, River Publishers, 2012, ISBN: 978-87-92329-79-0.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Enabling Wireless Sensor Network within Virtual Organizations**, Future Internet Services and Service Architectures, Eds. A. Prasad, J. Buford, V. Gurbani, pp.271-293, 2011, River Publishers. ISBN: 978-87-92329-59-2.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Analysis techniques and models for resource optimization in Wireless Sensor/Actuator Network environment**, 2007, in IFIP International Federation for Information Processing, Volume 248, Wireless Sensor and Actor Networks, eds. L.Orozco-Barbosa, Olivares T., Casado R., Bermudez A., (Boston: Springer), pp 23-34. ISBN: 13978-0-387-74898-6.

Conference Papers (28)

Salvatore F. Pileggi and Jane Hunter, ***An Ontology-Based, Linked Open Data Framework to support the Publishing, Re-use and Dynamic Calculation of Urban Planning Indicators***, 15th International Conference on Computers in Urban Planning and Urban Management (CUPUM 2017), July 11-14, Adelaide, Australia. [to appear July 2017](#)

Salvatore F. Pileggi and Jane Hunter, ***An ontological approach to dynamic fine-grained Urban Indicators***, International Conference on Computational Science (ICCS 2017), Procedia Computer Science, Volume 108, 2017, pp. 2059-2068. ISSN: 1877-0509.

Salvatore F. Pileggi, ***Probabilistic Semantics***, International Conference on Computational Science (ICCS 2016), Procedia Computer Science, Volume 80, 2016, pp. 1834-1845. ISSN: 1877-0509.

Salvatore F. Pileggi, ***A privacy-friendly model for an efficient and effective activity scheduling inside dynamic virtual organizations***, 11th EAI International Conference on Collaborative Computing, Networking, Applications and Worksharing (CollaborateCom 2015), Wuhan, China, 10-11 November, 2015. ISBN: 978-3-319-28910-6.

Salvatore F. Pileggi, ***An individual-centric probabilistic extension for OWL: Modelling the Uncertainty***, International Conference on Computational Science (ICCS 2015), Procedia Computer Science, Volume 51, 2015, pp. 1742-1751. ISSN: 1877-0509.

Salvatore F. Pileggi and Robert Amor, ***Modelling Metropolitan Activity through Abductive Reasoning on Geographic Space***, The 14th IEEE International Conference on Computer and Information Technology (CIT 2014), Xi'an, China, September 11-13, 2014. ISBN: 978-1-4799-6238-9.

Salvatore F. Pileggi and Robert Amor, ***MANSION-GS: seMANtics as the n-th dimenSION for Geographic Space***, International Conference on Information Resource Management (Conf-IRM 2014), Ho Chi Minh City, Vietnam, May 21 - 23, 2014. ISBN: 978-0-473-28169-4.

Salvatore F. Pileggi, Jaime Calvo-Gallego, Robert Amor, ***Bringing Semantic Resources together in the Cloud: from Theory to Application***, Fifth International Conference on Computational Intelligence, Modelling and Simulation (CimSim 2013), Seoul, South Korea, September 24-26, 2013. ISBN: 978-0-7695-5042-8.

Ana Belen Sanchez, Carlos Fernandez-Llatas, Salvatore F. Pileggi, Teresa Meneu, ***Impact of Semantic Technologies to Human Behavior Modelling: A psychosocial rationalization***, 4th International Conference on Agents and Artificial Intelligence, ICAART 2012, February 6th-8th, 2012, Algarve, Portugal. ISBN: 978-989-8425-95-9.

Salvatore F. Pileggi, Gema Ibañez, Carlos Fernandez-Llatas and Juan Carlos Narajo-Martinez, **Enabling Semantic Resources in the Cloud**, 4th International Conference on Agents and Artificial Intelligence, ICAART 2012, February 6th-8th, 2012, Algarve, Portugal. ISBN: 978-989-8425-95-9.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Vicente Traver, **Enabling Semantic Ecosystems among heterogeneous Cognitive Networks**, 3rd Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2011), October 26-29, 2011, Paris, France. ISBN: 978-989- 8425-80-5.

Carlos Fernandez-Llatas, Mocholi Juan Bautista, Pilar Sala, Naranjo Juan Carlos, Salvatore Flavio Pileggi, Sergio Guillen, Vicente Traver, **Ambient Assisted Living Spaces Validation by Services and Devices Simulation**, 33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC '11), Boston, USA, August 30th-Sept 3rd. ISBN: 978-1-4244-4121-1.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Vicente Traver, **Remote Control and Tele-operation in the Cloud**, 6th International Conference on Software and Data Technologies (ICSOFT 2011), July 18-21, 2011, Seville, Spain. ISBN: 978-989-8425-76-8.

Carlos Fernandez-Llatas, Gema Ibañez, Pilar Sala, Salvatore F. Pileggi and Juan Carlos Naranjo, **Mobile Cloud Computing architecture for ubiquitous empowering of people with disabilities**, 6th International Conference on Software and Data Technologies (ICSOFT 2011), July 18-21, 2011, Seville, Spain. ISBN: 978- 989-8425-76-8.

Carlos Fernandez-Llatas, Salvatore F. Pileggi, Vicente Traver, Jose Benedi, **Timed Parallel Automaton: a Mathematical Tool for Defining Highly Expressive Formal Workflows**, Fifth Asia International Conference on Mathematical Modelling and Computer Simulation (AMS 2011), Manila, Philippines, May 24- 26, 2011. ISBN: 978-0-7695-4412-4.

Salvatore F. Pileggi, Carlos Fernandez-Llatas, Teresa Meneu, **Evaluating Mobility Impact on Wireless Sensor Network**, UKSim 13th International Conference on Modelling and Simulation (UKSim 2011), March 30th-April 1st, 2011, Cambridge University. ISBN: 978-0-7695-4376-5.

Salvatore F. Pileggi, **A Semantic Environment for Data Processing in Embedded Sensor Networks**, Proceedings of the International Workshop on Semantic Interoperability (IWSI2011), January 2011, Rome, Italy. ISBN: 978-989-8425-43-0.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Building Semantic Sensor Web: Knowledge and Interoperability**, Proceedings of the

International Workshop on Semantic Sensor Web (SSW2010), October 2010, Valencia, Spain. ISBN: 978-989-8425-33-1.

Salvatore F. Pileggi, **A Novel Domain Ontology for Sensor Networks**, Proceedings of the Second International Conference on Computational Intelligence, Modelling and Simulation (CimSim2010), 28-30 September 2010, Bali. ISBN: 978-0-7695-4262-1.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Multimode WSN: Improving Robustness, Fault Tolerance and Performance of Randomly Deployed Wireless Sensor Network**, Proceedings of the Second International Conference on Computational Intelligence, Communication Systems and Networks (CicSyn 2010), 28-30 July, 2010, Liverpool, UK. ISBN: 978-0-7695-4158-7.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **On the convergence between Wireless Sensor Network and RFID: industrial environment**, Proceedings of the 8th International Symposium on Modeling and Optimization in Mobile, Ad-hoc and Wireless Networks and Workshops (WiOPT2010), May 31st-June 4th, 2010, Avignon, France. ISBN: 978-1-4244-7523-0.

Salvatore F. Pileggi, **A multi-domain framework for Wireless Vehicular Sensor Network**, Proceedings of International Conference on Ultra Modern Telecommunications and Workshops (ICUMT2009), October 12- 14, 2009, St. Petersburg, Russia. ISBN: 978-1-4244-3942-3.

Salvatore F. Pileggi, Benjamin Molina, Carlos E. Palau, Manuel Esteve, **Movie for All (M4ALL): A live J2ME Content Exchange Facility for Mobile Environments**, Proceedings of IEEE International Conference on Multimedia and Expo 2009 (ICME2009), June 28-July 3, 2009, New York, USA. ISBN: 978-1- 424442-904.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Cluster Partitioning in logic-organized Wireless Sensor/Actor Network**, Proceedings of the seventh IASTED International Conference on Communication Systems and Networks (CSN2008), September 1-3, 2008, Palma de Mallorca, Spain. ISBN: 978-0-88986- 757-4.

Benjamin Molina, Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **A Social Framework for Content Distribution in Mobile Transient Networks**, Third Workshop on the Use of P2P, GRID and Agents for the Development of Content Network(UPGRADE-CN'08), June 23-27, 2008, Boston, MA, USA. ISBN: 978-1- 59593-997-5.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Integrating Wireless Sensor Network with Grid Computing and RFID technology for products monitoring into airports**, Proceedings of IASTED International Conference on

Communication Systems and Networks (CSN2007), August 29-31, 2007, Palma de Mallorca, Spain. ISBN: 0-88986-695-9.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **An adaptive and flexible fault tolerance mechanism designed on multi-behavior agents for Wireless Sensor/Actuator Network**, Proceedings of International Conference on Sensor Technologies and Applications (SENSORCOMM 2007), October 14-20, 2007, Valencia, Spain. ISBN: 0-7695-2988-7.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **Grid Sensor/Actuator Network Architecture**, Proceedings of International Conference on Wireless and Mobile Communications, ICWMC'06, July 29-31, 2006, Bucharest, Romania. ISBN: 0-7695-2629-2. **[Best Paper Award]**.

Others (30)

Published Reviews (28)

The full list of my reviews published in **ACM Computing Reviews** (ISSN: 0010-4884) is available at:

http://www.computingreviews.com/browse/browse_reviewers.cfm?reviewer_id=123725

Posters and Demos (2)

Salvatore F. Pileggi, C.E. Palau, M.Esteve, **A declarative approach for Hierarchical-organized Wireless Sensor/Actor Network**, Proceedings of Work-in-Progress, Poster and Demo papers of 4th IEEE International Conference on Distributed Computing in Sensor Systems 2008 (DCOSS'08), June 11-14, 2008, Santorini Island, Greece.

Salvatore F. Pileggi, Carlos E. Palau, Manuel Esteve, **A Global Resource Management Model (GRMM) for Wireless Sensor/Actuator Network**, Adjunct poster/demo proceedings of 4th European Conference on Wireless Sensor Networks (EWSN2007), January 29-31, 2007, Delft, Netherlands. ISSN: 1387-2109.

Talks

Keynotes

Getting Web Semantics closer to Human Semantics: Probabilistic Semantics and Human-Inspired Models - The 2nd International Conference on Data, Internet & Education Technologies 2017 (The DIET 2017), Bali, Indonesia, 1-2 April 2017.

Invited Talks

Getting Web Semantics closer to Human Semantics: Uncertain Knowledge in the Semantic Web - Italian Scientist Down Under, Brisbane, QLD, Australia, 23 March 2017.

Funded Research Projects

Funded by the Australian Government

Urban Analytics Data Infrastructure (**UADI**). [2016-2017, Researcher]

Funded by the European Union Council

Large-scale computation without synchronization (**SyncFree**). [2014-2016, Project Manager/WorkPackage Leader]

Nanoscale Silicon-Aware Network-on-chip Design Platform (**NaNOC**). [2012, Researcher]

UNIVERSal open platform and reference Specification for Ambient Assisted Living (**universAAL**). [2011- 2012, WorkPackage Leader, Task Leader]

Building Security Assurance in Open Infrastructure (**BUGYO**). [2009, Researcher]

Advanced Service Architecture and Service Delivery Environment (**SERVERY**). Celtic Plus Excellence Award 2012 in gold. [2008, Researcher]

Experience Sharing in Mobile Peer Communities (**EXPESHARE**). [2008, Researcher]

Enabler for Next Generation Service Delivery (**MULTINET**). [2007, Researcher]

Funded by the Spanish Government

Fabrica Absolutamente Segura y Saludable (**FASYS**). [2010, Researcher]

Interconexión de Infraestructuras Abiertas para la Validación Integral de Servicios Móviles Convergentes de Nueva Generación, Calidad de Experiencia, Modelos de Negocio y Modelos de Gestión (**NEURONA**). [2009, Researcher]

Plataforma Integral para la Gestión de Redes Tridimensionales de Sensores en el Sector Aeroespacial (**PIGRES**). [2007, Researcher]

Professional Activities

Memberships

Since 2015, member of European SIGOPS ACM Chapter

From 2009 to 2011, member of IASTED Technical Committee on Networks.

Since 2009 he is IEEE Member.

From 2011 to 2012, IEEE Computer Society Member.

Since 2014, Reviewer for ACM Computing Reviews (Featured Reviewer since 2017).

Reviews in Journals and Magazines (partial list)

IEEE Sensors Journal, IEEE Communications Letters, Proceedings of the IEEE, Sensors (MDPI), Computer Networks (Elsevier), Mobile Networks and Applications (Springer), Future Internet (MDPI), RISTI, Computers in Human Behaviour (Springer), Cognitive Systems Research (Elsevier), Universal Access in the Information Society Journal (Springer), Journal of Web Semantics (Elsevier), Telematics and Informatics (Elsevier), IEEE Technology and Society Magazine

Reviews and Technical Program Committee memberships (partial list)

e-Health 2017, ICWMC 2017, SMC 2017

ICWMC 2016, e-Health 2016, CCSI 2016, SMC 2016

MMEDIA 2015, ICWMC 2015, CISTI 2015, Social Media 2015

MMEDIA 2014, ICWMC 2014, CISTI 2014, IADIS e-Health 2014, GSCIT 2014, ICT2014 /SM2014

ICWMC 2013, IADIS e-Health 2013, ISCI 2013, MIRA 2013

ICWMC 2012, IADIS e-Health 2012

ICWMC 2011, ICEDSA 2011, ISCI 2011, IADIS e-Health 2011, WICT 2011

SSW 2010, ICOS 2010, ISIEA 2010, MILCOM 2010, ICCAIE 2010, ICWMC 2010, CSN 2010

MSI 2009, CSNA 2009, VTC 2009-Spring, ACSE 2009, ICWMC 2009 VTC 2007 Fall Baltimore, ISWCS 2007

Fellowships & Awards

Involved in the SERVERY project (funded by the EU Council, FP7), **Celtic Plus Excellence Award 2012 in gold.**

“TORRES QUEVEDO” Post-doctoral Fellowship (2011-2012), funded by the Spanish Government.

BEST PAPER AWARD, International Conference on Wireless and Mobile Communications, ICWMC'06, July 29-31, 2006, Bucharest, Romania.

“ERASMUS” Scholarship (2004-05), funded by the Italian Government.
