# Jaime Lloret_Mauri

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## Google Scholar:

| Citation indices | All | Since 2020 |
| --- | --- | --- |
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| i10-index | 468 | 342 |

**ISI Thomson h-Index:** 53
**Scopus h-index:** 66

He received his M.Sc. in Physics in 1997 from the University of Valencia. He finished a postgraduate Master in Corporative Networks and Systems Integration from the Department of Communications of the Polytechnic University of Valencia in 1999. He received his M.Sc. in Electronic Engineering in 2003 from University of Valencia and his Ph.D. in Telecommunication Engineering (Dr. Ing.) from the Polytechnic University of Valencia in 2006.

**Career to Date:**

He is a Cisco Certified Network Professional Instructor and he is the Legal Main Contact of several Cisco local academies of the Cisco Networking Academy (CNA). He worked as a network designer and administrator in several enterprises from 1997 to 2001. During all these years he combined enterprise work tasks with educational tasks, teaching in many courses for the Valencian Community Government (more than 2400 hours). He is currently Full Professor in the Polytechnic University of Valencia. He was the former of the research group Communications and Networks in 2007, and he became the director of the Integrated Management Coastal Research Institute (IGIC) in January 2017. He is the head of the "active and collaborative techniques and use of technologic resources in the education (EITACURTE)" Innovation Group. He is the director of the University Diploma "Redes y Comunicaciones de Ordenadores" from 2008. He has been the director of the University Master "Digital Post Production" from 2012 to 2016. He has been the Vice-chair for the Europe/Africa Region of Cognitive Networks Technical Committee (IEEE Communications Society) for the term 2010-2012 and Vice-chair of the Internet Technical Committee (IEEE Communications Society and Internet society) for the term 2011-2013. He was the chair of the Internet Technical Committee (IEEE Communications Society and Internet society) during the term 2013-2015. He has led many local, regional, national and European projects. He was the chair of the Working Group of the Standard IEEE 1907.1 from 2013 to 2018. He has been involved in more than 500 program committees of international conferences and in more than 160 organization and steering committees. He has been general chair (or co- chair) of 85 International workshops and conferences (chairman of SENSORCOMM 2007, UBICOMM 2008, ICNS 2009, ICWMC 2010, eKNOW 2012, SERVICE

COMPUTATION 2013, COGNITIVE 2013, ADAPTIVE 2013, 12th AICT 2016, 11th ICIMP 2016, 3rd GREENETS 2016, 13th IWCMC 2017, 10th WMNC 2017, 18th ICN 2019, 14th ICDT 2019, 12th CTRQ 2019, 14th ICSNC 2019, 8th INNOV 2019, 14th ICDS 2020, 5th ALLSENSORS 2020, IndustrialIoT 2020, COGNITIVE 2020, ADAPTIVE 2020, SENSORCOMM 2020, AFIN 2020, ACN 2020, GC-ElecEng 2020, 13th COGNITIVE 2021, 13th ADAPTIVE 2021, 15th UBICOMM 2021, 17th ICNS 2021, 16th ICIW 2021, 18th WINSYS 2021, 5th MCNA 2021, 18th ICNS 2022, 14th COGNITIVE 2022, 14th ADAPTIVE 2022, 17th ICIW 2022, 16th UBICOMM 2022, 19th WINSYS 2022, MCNA 2023, 18th ICSNC 2023, 8th HEALTHINFO 2023 and WIRELESS ANALYTICS 2024, and co-chairman of ICAS 2009, INTERNET 2010, MARSS 2011, IEEE MASS 2011, SCPA 2011, ICDS 2012, 2nd IEEE SCPA 2012, GreeNets 2012, 3rd IEEE SCPA 2013, SSPA 2013, AdHocNow 2014, MARSS 2014, SSPA 2014, IEEE CCAN 2015, 4th IEEE SCPA 2015, IEEE SCAN 2015, ICACCI 2015, SDRANCAN 2015, FMEC 2016, 2nd FMEC 2017, 5th SCPA 2017, XIII JITEL 2017, 3rd SDS 2018, 5th IoTSMS 2018, 4th FMEC 2019, 10th International Symposium on Ambient Intelligence 2019, 6th SNAMS 2019, ACN 2019, 12th ICICS 2021, 8th IoTSMS 2021, 18th AICCSA 2021, ICCNS 2023, 10th IoTSMS 2023, 21st CDVE 2024, 9th IOTSMS 2024, MCNA 2024, 11th SDS 2024 and Wireless Analytics 2024, and local chair of MIC-WCMC 2013, IEEE Sensors 2014, and FCSIT 2024). He is IEEE Senior, ACM Senior, IARIA Fellow and EAI Fellow.

**Honors and Awards:**

He obtained the first place given by the Spanish Agency for Quality Assessment and Accreditation for the Campus of Excellence in the New Technologies and Applied Sciences Area in 2006. He was awarded the prize of the best doctoral Student in the Telecommunications area in 2006 according to the Social Council of the Polytechnic University of Valencia. In 2008, he was nominated as one of the best researchers in the world in the Telematics Engineering by the International Biographical Centre, of Cambridge, England. Since 2016 till today he is the Spanish researcher with highest h-index in the TELECOMMUNICATIONS journal list according to Clarivate Analytics (ISI Thomson) Ranking. Moreover, he is included in the world's top 2% scientists according to the Stanford University List since 2019. In 2024 he had 7 Highly cited papers according to Clarivate Analytics.

**Publications/Articles:**

*Scientific:*

He has authored or co-authored more than 900 papers in international journals (around 600 of them have Journal Citation Report, JCR, Impact Factor) and he authored or co-authored more than 100 scientific papers in national and international conferences (many of them published by IEEE Press and Springer, and they are classified by the CORE list as type A, B or C). He has been the author 2 research books and he has participated in 45 chapters of research books.

*Educational:*

He has authored or co-authored more than 55 papers on teaching methodologies in conferences and he has authored co-authored more than 10 papers in international journals of education. He has authored or co-authored in 12 teaching books and in 18 chapter books about teaching methodologies.

He has been Conference Keynote Speaker, Plenary Speaker and Tutorial Speaker in National and International Conferences 46 times. He has served as a reviewer in more than 1000 international conferences international journals and he had 15 papers awarded in international conferences.

**Editor and Editorial Boards:**

He is the editor in chief of the international journal "Network Protocols and Algorithms" (ISSN: 1943-3581), "Ad Hoc & Sensor Wireless Networks" (Print ISSN: 1551-9899, online ISSN: 1552-0633), (JCR ISI Thomson), and the "International Journal of Multimedia Communications" (print ISSN: 2378-6507, online ISSN: 2378-6515). Moreover, he is advisory board member of the "International Journal of Distributed Sensor Networks" (with ISI Thomson Impact factor), and he is IARIA Journals Board Chair (8 Journals). He has been a guest editor of several international journals and he is (or has been) associate editor or editorial board member of 46 international journals (most of them included in ISI Thomson journal list with JCR). He has been the co-editor of 34 conference proceedings and co-editor in 11 research books.

**Research Projects:**

He has been involved in several local, national and international research projects. (Main researcher in more than 15 national or European projects). These are some of the main research projects where he has been involved:

• Intelligent Edge Computing in Heterogeneous Wireless Sensor Networks for Precision Agriculture and the Dissemination of Digital Agriculture
• A Sensor Network and Big data to observe Marine Environment
• Intelligent Heterogeneous Network of Wireless Sensors to Monitor and Estimate Resin Content of Cistus Ladanifer
• Low-Cost Home Monitoring for Patients with Chronic Obstructive Pulmonary Disease
• Development of sensor devices and implementation of new technologies to monitor rural, agrarian and marine environments (RUAGRAMA)
• GO TECNOGAR. Innovation Operational Group for the combined use of sensors and remote sensing, a holistic solution for monitoring and improving chickpea cultivation
• INTEMARES, "Integrated, Innovative and Participatory Management for the Natura 2000 Network in Spain".
• INtegration of sustainable deVelOpment goaLs in uniVErsities for better climate change management / INVOLVE
• Design and implementation of a low cost autonomous system to follow the sea water quality.
• Cognitive Software Defined Network to optimice and securize IoT traffic with critical information.
• Smart wireless sensor network to detect and purificate water salinity and pollution for agriculture irrigation
• Development of underwater sensors to monitor the fish behavior with the aim of improving the productivity and the sustainability of a fish farm.
• Intelligent multimedia services distribution using Software Defined adaptive cognitive Networks.
• Development of a multipurpose modular underwater sensor with high data transfer rates.
• Cognitive group-based collaborative sensor network for sensing and monitoring the water environment

- Underwater Wireless Sensors Communications at 2.4 GHz
- A QoE management system to improve the IPTV network
- A wireless communication system to gather information from the sensors placed in the buoys.
- Design Study for a Deep Sea Facility in the Mediterranean for Neutrino Astronomy and Associated Sciences.
- Fire detection and monitoring system using WLANs.
- Multimedia C4ISR to manage emergencies.
- Integration of a sensor network in a multimedia C4ISR to manage emergencies.
- Development and evaluation of Wavefield Synthesis techniques to play 3D sound in the MPEG-4 standard.
- Design and development of an optimum WLAN for video transmission for the Spreading project "Explora El Encín".
- Traffic monitoring system for Valencia's City.

He is co-author of 15 published patents.

**Master Thesis Students and PhD Students:**

He has been the supervisor of more than 90 Degree Thesis, 20 Official Ms. Degree Thesis, 12 Polytechnic University of Valencia Master Thesis and 20 PhD Thesis. He is currently supervising of 25 PhD. Students.

**Research and Educational Interests and achievements:**

His main research has been focused on designing and developing network protocols and algorithms, especially on group-based topologies. These designs have been used in many environments including P2P networks, Ad-hoc and Sensor networks, Grids, Content Distribution Networks, Multimedia and Security.

One of his main contributions has been on indoor Wireless LANs issues (such as coverage designs and devices location), video and voice streaming and on the design of Wireless LANs for Video surveillance.

His academic interests are in collaborative and cooperative learning systems as well as in new educational approaches and strategies using new technologies.

**Publications:**

http://scholar.google.es/citations?user=ZJYUEGEAAAAJ
http://www.scopus.com/authid/detail.url?authorId=23389476400
http://orcid.org/0000-0002-0862-0533
http://www.researcherid.com/rid/H-3994-2013
https://publons.com/researcher/2629073/jaime-lloret/
http://www.informatik.uni-trier.de/~ley/pers/hd/m/Mauri:Jaime_Lloret
https://sciprofiles.com/profile/jlloret
http://www.guide2research.com/u/jaime-lloret
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https://upv-es.academia.edu/JaimeLloretMauri
https://exaly.com/author/2807636/jaime-lioret/rankings
https://research.com/u/jaime-lloret

**Memberships:**

He is IEEE Senior, ACM Senior, IARIA Fellow and EAI Fellow. He is member of the Committee on Smart Grid Communications (SGCC), technical Ad-Hoc Committee on Cloud Communications & Networking (CloudComm), Technical Committee on Green Communications and Computing (TSCGCC ), Group of Interest on QoE for Multimedia (QoEIG) of the IEEE Multimedia Communications Technical Committee (MCTC), and Member of the group of Experts on SDN/NFV of the European Commission.