

Prof. Dr. Jose M. Jimenez

Departamento de Comunicaciones,
Escuela Politécnica Superior de Gandía,
Universitat Politècnica de València,
Gandia (València), Spain



Prof. Dr. José M. Jiménez is an accomplished researcher with a multidisciplinary career. He holds a Degree in Computer Science Engineering, a Master in Corporate Networks and Systems Integration and a Master in Digital Postproduction, and the Ph. D. degree from the Universitat Politècnica de València, Spain. He is a Cisco Certified Network Professional Instructor and HP Accredited Technical Associate. He has worked from 2018 to 2020 as a researcher at the Laboratoire IRIMAS de L'Université de Haute-Alsace (France). He is currently a researcher at the Institute for Integrated Coastal Zone Management at the Universitat Politècnica de València (Spain). He is now Associate Professor at Universitat Politècnica de València. His research focuses on wireless local area networks, streaming multimedia content, sensor networks and routing protocols. This innovative approach has led to more than 60 journal publications, more than 35 indexed in JCR, including 8 in Q1 journals. Some of his most notable works include "MHCP: Multimedia Hybrid Cloud Computing Protocol and Architecture for Mobile Devices" (IEEE Network, IF 8.808) and "Multimedia Data Flow Traffic Classification Using Intelligent Models Based on Traffic Patterns" (IEEE Network, IF 7.503). He has also explored routing protocols, as reflected in "Dynamic metric OSPF-based routing protocol for Software Defined Networks" (Cluster Computing, IF 3.458) and IoT "An Intelligent System for Video Surveillance in IoT Environments " (IEEE Access, IF 4.098). Also noteworthy is the work developed in recent years in the field of monitoring sustainable agriculture, with special emphasis on the use of technologies and protocols for connecting low-cost IoT devices, such as "LoRa-based Network for Water Quality Monitoring in Coastal Areas" (Mobile Networks and Applications, IF 3.8) and "New Protocol and Architecture for a Wastewater Treatment System Intended for Irrigation" (Applied Sciences, IF 2.838) .

His research contributions go beyond publications. Dr. Jimenez has been actively involved in national and European research projects addressing multimedia service delivery, management systems for quality of experience control, as well as Internet traffic security using software-designed cognitive networks, and also sensor networks for pollution detection and control of water for agricultural irrigation. These technologies have been applied in important initiatives, supported by different European and national research projects, fostering collaboration between different Universities, Public Institutions and Companies. During the development of one of the European projects he researched from the IRIMAS Laboratory at L' Université de Haute-Alsace (France).

Of particular note is his long-standing association with IARIA and ThinkMind, organizations where he has made significant contributions to advancing research dissemination and scientific collaboration. Dr. Jimenez has participated as technical and organizing committees in about 80 conferences and has delivered keynote speeches. He has also been a guest editor for 6 special issues in Q1 and Q2 journals.