Dr. Laura García García

Universidad Politécnica de Cartagena

Laura García received her bachelor's degree in telecommunications technology engineering and her master's degree in digital post production from the Polytechnic University of Valencia, in 2015 and 2016, respectively. She also received her master's degree in business administration from the Universidad Católica San Antonio de Murcia, in 2020. Likewise, she received her Ph.D. degree in telecommunications from the Polytechnic University of Valencia and her Ph.D. degree in computer science from the Université de Mulhouse Haute-Alsace, in 2021. Furthermore, she was awarded the Juan de la Cierva postdoctoral fellowship in 2022 by the Spanish government. She is the author or co-author of 35 articles in international journals, 25 of which are indexed in SCI. The significance of these publications has earned her a spot on Stanford's list of the top 2% most-cited researchers in 2024. Additionally, she has participated in numerous research projects and is currently the main researcher of a European cascade funding project.

She has been collaborating with IARIA since 2016. Her collaboration includes supporting the organizers of IARIA conferences hosted in Valencia and Barcelona, being a publicity chair and part of the Open Access Special Advertising and Publicity Board, being part of technical program committees, chairing sessions, being a keynote speaker, a panelist, and contributing with papers on multiple occasions.

Some of her papers presented at IARIA conferences include:

F. Heredia Blaya, L. García, A.-J. Garcia-Sanchez, R. Asorey-Cacheda, J. Garcia-Haro, "A Monitoring System of Crop and Meteorology Parameters by Bringing Together Physical Sensors and Computer Vision Cameras", The First International Conference on Accessible Digital Agriculture Technologies (CADAT 2024), Valencia, Spain, 17-21 November 2024, pp. 30-35.

Laura García, Daniel Montoya-Garcia, Francisco Sanchez-Rubio, Antonio-Javier Garcia-Sanchez, Rafael Asorey-Cacheda, Joan Garcia-Haro, "Air Quality Monitoring Platform for Virtual Reality-enabled Digital Twin: the Use Case of Cartagena (Spain)", The Nineteenth International Conference on Systems (ICONS 2024), Barcelona, Spain, 26-30 May 2024, pp. 1-6.

García-Navas, José Luis; García, Laura; Romero, Oscar; Lloret, Jaime; Lorenz, Pascal, "Comparative Study of RIP, OSPF and EIGRP Protocols to Manage WSN-IoT Traffic vs IPTV Traffic Using Cisco Packet Tracer", The Tenth International Conference on Communications, Computation, Networks and Technologies (INNOV 2021), Barcelona, Spain, 3-7 October 2021, pp. 8-13.

García, Laura; Sendra, Sandra; Jimenez, Jose M.; Lloret, Jaime; Lorenz, Pascal, "Study on Effective Coverage of Low-Cost LoRa Devices", The sixth International Conference on Advances in Sensors, Actuators, Metering and Sensing (ALLSENSORS 2021), Nice, France, 18-22 July 2021, pp. 58-63.

García, Laura; Parra, Lorena; Jimenez, Jose M.; Lloret, Jaime; Abouaissa, Abdelhafid; Lorenz, Pascal, "Internet of Underground Things ESP8266 WiFi Coverage Study", The Eighth International Conference on Communications, Computation, Networks and Technologies (INNOV 2019), Valencia, Spain, 24-28 November 2019, pp. 1-6.

García, Laura; Parra, Lorena; Basterrechea, Daniel Andoni; Jimenez, Jose M.; Rocher, Javier; Parra, Mar; García-Navas, José Luis; Sendra, Sandra; Lloret, Jaime; Pascal Lorenz; Tomás, Jesús; Abouaissa, Abdelhafid; Rodilla, Miguel; Falco, Silvia; Sebastiá, Maria Teresa; Mengual, Jesús; González, Juan Andrés; Roig, Bernat, "Quantifying the Production of Fruit-Bearing Trees Using Image Processing Techniques", The Eighth International Conference on Communications, Computation, Networks and Technologies (INNOV 2019), Valencia, Spain, 24-28 November 2019, pp. 14-19.

Jimenez, Jose Miguel; García, Laura; Taha, Miran; Parra, Lorena; Lloret, Jaime; Lorenz, Pascal, "Comprehensive security framework of an Intelligent Wastewater Purification System for Irrigation.", The Twelfth International Conference on Communication Theory, Reliability, and Quality of Service (CTRQ 2019), Valencia, Spain, 24-28 March, 2019, pp. 10-15.

García, Laura; Jimenez, Jose M.; Lloret, Jaime; Lorenz, Pascal, "WiFi and LoRa Energy Consumption Comparison in IoT ESP 32/ SX1278 Devices", The Eighth International Conference on Smart Cities, Systems, Devices and Technologies (SMART 2019), Nice, France, 28 July – 2 August 2019, pp. 26-31.

Sendra, Sandra; Lloret, Jaime; Túnez-Murcia, Ana Isabel; García, Laura, "Using HTML5 for M-Learning Environments", The Eleventh International Conferences on Advances in Multimedia (MMEDIA 2019), Valencia, Spain, 24-28 March 2019, pp. 65-70.

Perez-Garrancho, Virginia; García, Laura; Sendra, Sandra; Lloret, Jaime, "Mobile Low Cost System for Environmental Monitoring in Emergency Situations", The 7th International Conference on Ambient Computing, Applications, Services and Technologies (AMBIENT 2017), Barcelona, Spain, 12-16 November 2017, pp. 28-33.