Eduardo Baena

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Summary

A multifaceted academic and industry professional who uniquely combines a background in telecommunications engineering and music with a fervor for the transformative potential of AI. With expertise in AI-driven Mobile Network Management, I've honed my skills to optimize next-gen cellular networks. My distinguished academic journey is marked by over 18 JCR journals and +25 papers in renowned conferences such as ICC, Globecom, and MWC, bolstered by my rich experience in diverse teaching roles, from audio engineering to biomedical. Having ventured beyond the academia, my roles in the private sector, including positions as a pre-sales engineer and project manager, have enriched my practical insights. As a globe-trotter, having traveled to over 20 countries and a proficient violinist, my diverse experiences provide a fresh perspective. Check my Google Scholar profile.

Education

2017 - 2022	PhD Telecommunications Engineering at **University of Malaga**	(GPA: 4.0/4.0)
2003 - 2010	BEng and MEng in Telecommunications at **Universidad de Granada**	(GPA: 3.0/4.0)
2003 - 2008	BMus Violin at **RCSM Victoria Eugenia de Granada**	(GPA: 2.0/4.0)

Work Experience

Postdoc Research Fellow, Institute for the Wireless Internet of Things@Northeastern Current
Under the supervision of Prof. Dimitrios Koutsonikolas, I am actively engaged in several cutting-edge projects including x5G (https://x5g.org/), OTIC Center, and research focused on ORAN and 5G/6G measurements. My work involves:

- Contributing to the development and implementation of 5G and 6G technologies.
- Engaging in multidisciplinary projects aimed at advancing the infrastructure and applications for next-generation wireless systems.
- Conducting in-depth analyses and measurements in ORAN environments to enhance network performance and capabilities.

Researcher, Lecturer University of Málaga 2017–03/2024
I am currently teaching various undergraduate courses in Biomedical, Telematics , and Sound Engineering, related to signal theory, networks and services, and electrical circuits and machines. Additionally, I am the Co-Principal Investigator for the MAORI-2 project, focusing on the management of virtualized OpenRAN radio, with a budget of 600k €

- Participated in writing and designing winning proposals as H2020 Locus and securing 2M in mobile networks infrastructure funding.
- Developed innovative strategies to optimize 5G/LAA Mobile Networks, enhancing user awareness and context
- Published multiple papers in reputed journals, sharing insights on machine learning applications in network management.

Diverse Roles in Telco Ecosystem: From Technical, Design to Presales 2010–2017

Embarked on a global career with roles in various countries, including the Czech Republic and Mexico, holding positions such as *Telecommunications Engineer* at 2N TELEKOMUNIKACE a.s., *Senior Telecommunications Engineer* at NUNSYS, *Telecommunications Engineer* at Wellness Telecom, and *Sales Engineer* at Interoute Iberia, where I:

- Led and mentored teams, enhancing productivity and client satisfaction through expert solution delivery and customer-centric approaches.
- Orchestrated bid preparation, RFP/RFI responses, and coordinated with technical teams, securing key contracts and ensuring optimal solution delivery.
- Managed Pre-Sales for the Spanish SME market, achieving and exceeding sales targets, and enhancing customer satisfaction through diligent order processing and communication.
- Provided technical support and managed installations of Netstar PBX and Gateways products globally, enhancing company reputation and customer satisfaction.

Research Projects (top 3)

H2020 LOCUS 01/11/2019 - 30/12/2022

LOCUS, backed by HORIZON 2020, aimed to embed Localization and analytics on-demand in the 5G ecosystem for Ubiquitous vertical applications. Spearheaded by Raquel Barco Moreno and involving a consortium of entities like Orange, OTE, NEC, Samsung, and IBM among others, the project, with a budget of €487,500, sought to integrate localization and analytics into the 5G ecosystem, enhancing the user experience and application ubiquity in 5G networks.

H2020 ONE5G 01/06/2017 - 30/06/2019

Funded by HORIZON 2020, ONE5G focused on optimizations and advancements for the Network Edge of 5G New Radio, under the leadership of Principal Investigator Raquel Barco Moreno. Engaging 20 researchers and securing a total budget of €341,250, the project was a collaborative effort with entities such as UMA, Samsung, Nokia, and Huawei, aiming to pioneer advancements in 5G technology.

H2020 MONROE 01/03/2017 - 31/07/2018

Measuring Mobile Broadband Networks in Europe. Funding Entity: HORIZON 2020. Call Type: European Union. Participating Entities: UMA, Simula Research Lab, UC3M. Principal Investigator: Raquel Barco Moreno. Number of Participants: 20. Total Budget: €100,000. Role: Investigator. Commitment: Full-Time.

R&D Management

MAORI-2 01/01/2022 - 01/01/2025

Intelligent Management of Virtualized Resources in Open Radio b5G/6G. Funding Entity: Next Generation Funds. Call Type: European. Participating Entities: UMA, Companies to be contracted (tender not resolved). Principal Investigator: Raquel Barco Moreno. Co-PI: Eduardo Baena. Number of Participants: 20. Total Budget: €662,175.

IA2MON-5G 16/05/2020 - 31/12/2021

Artificial Intelligence for Analysis and Monitoring of 5G Communication Networks. Funding Entity: Junta de Andalucía. Call Type: Regional. Unique Project for knowledge transfer actions of the International Excellence Campus Andalucía TECH. Innovative ecosystem with artificial intelligence for Andalucía 2025. Participating Entities: UMA, Keysight Technologies Spain, S.L. Principal Investigators: Eduardo Baena Martínez, Raquel Barco Moreno. Number of Participants: 5. Total Budget: €30,587.40.

MUSE 01/06/2020 - 31/12/2021

Massive USer Experience Assessment and Prediction for Mobile Networks. Funding Entity: Universidad de Málaga. Call Type: Local. Participating Entities: UMA. Principal Investigator: Eduardo Baena . Co-PI: Sergio Fortes. Number of Participants: 3. Total Budget: €30,000.

5G-SCARF 16/05/2020 - 31/12/2021

5G Smart Communications for the AiRport of the Future. Funding Entity: Junta de Andalucía. Call Type: Regional. Unique Project for knowledge transfer actions of the International Excellence Campus Andalucía TECH. Innovative ecosystem with artificial intelligence for Andalucía 2025. Participating Entities: UMA, Aertec Solutions. Principal Investigators: Eduardo Baena- Sergio Fortes. Number of Participants: 5. Total Budget: €30,587.40.

Journal Publications

[1] **Eduardo Baena**, Sergio Fortes, Francisco Muro, Carlos Baena, Raquel Barco. "Beyond REM: A New Approach to the Use of Image Classifiers for the Management of 6G Networks". In: *Sensors* 23.17 (Aug. 2023), p. 7494. DOI: 10.3390/s23177494. URL: https://doi.org/10.3390%2Fs23177494.

[2] **Eduardo Baena**, Sergio Fortes, Özgü Alay, Min Xie, Håkon Lønsethagen, Raquel Barco. "Cellular Network Radio Monitoring and Management through Virtual UE Probes: A Study Case Based on Crowded Events". In: *Sensors* 21.10 (May 2021), p. 3404. DOI: 10.3390/s21103404. URL: https://doi.org/10.3390%2Fs21103404.

[3] **Eduardo Baena**, Segio Fortes, Raquel Barco. "KQI Performance Evaluation of 3GPP LBT Priorities for Indoor Unlicensed Coexistence Scenarios". In: *Electronics* 9.10 (Oct. 2020), p. 1701. DOI: 10.3390/electronics9101701. URL: https://doi.org/10.3390%2Felectronics9101701.

[4] **Eduardo Baena**, Sergio Fortes, Raquel Barco. "Assessing the impact of DRS signaling in unlicensed indoor coexistence scenarios". en. In: *EURASIP Journal on Wireless Communications and Networking* 2020.1 (Dec. 2020), p. 224. ISSN: 1687-1499. DOI: 10.1186/s13638-020-01834-x. URL: https://jwcn-eurasipjournals.springeropen.com/articles/10.1186/s13638-020-01834-x (visited on 02/28/2021).

[5] Francisco Muro, **Eduardo Baena**, Sergio Fortes, Lars Nielsen, Raquel Barco. "Noisy Neighbour Impact Assessment and Prevention in Virtualized Mobile Networks". In: *IEEE Transactions on Network and Service Management* 20.1 (Mar. 2023), pp. 415–425. DOI: 10.1109/tnsm.2022.3194137. URL: https://doi.org/10.1109%2Ftnsm.2022.3194137.

[6] Javier Villegas, **Eduardo Baena**, Sergio Fortes, Raquel Barco. "Social-Aware Forecasting for Cellular Networks Metrics". In: *IEEE Communications Letters* 25.6 (June 2021), pp. 1931–1934. DOI: 10.1109/lcomm.2021.3065812. URL: https://doi.org/10.1109%2Flcomm.2021.3065812.

[7] Ana Herrera-Garcia, Sergio Fortes, **Eduardo Baena**, Jessica Mendoza, Carlos Baena, Raquel Barco. "Modeling of Key Quality Indicators for End-to-End Network Management: Preparing for 5G". In: *IEEE Vehicular Technology Magazine* 14.4 (Dec. 2019), pp. 76–84. DOI: 10.1109/mvt.2019.2938448. URL: https://doi.org/10.1109%2Fmvt.2019.2938448.

[8] Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Estimation of Video Streaming KQIs for Radio Access Negotiation in Network Slicing Scenarios". In: *IEEE Communications Letters* (2020), pp. 1–1. DOI: 10.1109/lcomm.2020.2979713. URL: https://doi.org/10.1109%2Flcomm.2020.2979713.

[9] Renato Torres, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Social-Aware Load balancing System for Crowds in Cellular Networks". In: *IEEE Access* (2021), pp. 1–1. DOI: 10.1109/access.2021.3100459. URL: https://doi.org/10.1109%2Faccess.2021.3100459.

[10] Carlos Baena, María Hervás-Gutiérrez, **Eduardo Baena**, Javier Villegas, Raquel Barco, Sergio Fortes. "Assessing the Impact of Computational Resources to the Quality of Experience Provided by vRANs". In: *IEEE Access* 11 (2023), pp. 102944–102948. DOI: 10.1109/ACCESS.2023.3314853.

[11] Sergio Fortes, Jose Antonio Santoyo-Ramón, David Palacios, **Eduardo Baena**, Rocio Mora-Garcia, Miguel Medina, Patricia Mora, Raquel Barco. "The Campus as a Smart City: University of Málaga Environmental, Learning, and Research Approaches". In: *Sensors* 19.6 (2019). ISSN: 1424-8220. DOI: 10.3390/s19061349. URL: https://www.mdpi.com/1424-8220/19/6/1349.

[12] Leonardo Aguayo, Sergio Fortes, Carlos Baena, **Eduardo Baena**, Raquel Barco. "A Multivariate Time-Series Based Approach for Quality Modeling in Wireless Networks". In: *Sensors* 21.6 (Mar. 2021), p. 2017. DOI: 10.3390/s21062017. URL: https://doi.org/10.3390%2Fs21062017.

[13] Sergio Fortes, Carlos Baena, Javier Villegas, **Eduardo Baena**, Muhammad Zeeshan Asghar, Raquel Barco. "Location-Awareness for Failure Management in Cellular Networks: An Integrated Approach". In: *Sensors* 21.4 (Feb. 2021), p. 1501. DOI: 10.3390/s21041501. URL: https://doi.org/10.3390%2Fs21041501.

[14] O. S. Penaherrera-Pulla, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "KQI Assessment of VR Services: A Case Study on 360-Video Over 4G and 5G". In: *IEEE Transactions on Network and Service Management* 19.4 (Dec. 2022), pp. 5366–5382. DOI: 10.1109/tnsm.2022.3192762. URL: https://doi.org/10.1109%2Ftnsm.2022.3192762.

[15] Oswaldo Sebastian Peñaherrera-Pulla, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Measuring Key Quality Indicators in Cloud Gaming: Framework and Assessment Over Wireless Networks". In: *Sensors* 21.4 (Feb. 2021), p. 1387. DOI: 10.3390/s21041387. URL: https://doi.org/10.3390%2Fs21041387.

[16] José Antonio Trujillo, Isabel de-la-Bandera, Jesús Burgueño, David Palacios, **Eduardo Baena**, Raquel Barco. "Active Learning Methodology for Expert-Assisted Anomaly Detection in Mobile Communications". In: *Sensors* 23.1 (Dec. 2022), p. 126. DOI: 10.3390/s23010126. URL: https://doi.org/10.3390%2Fs23010126.

[17] Sergio Fortes, Noelia Hidalgo-Triana, Juan-Manuel Sánchez-la-Chica, Maria-Luz Garcia-Ceballos, Juan Cantizani-Estepa, Andrés-Vicente Pérez-Latorre, **Eduardo Baena**, Andrés Pineda, Jorge Barrios-Corpa, Alberto Garcia-Marin. "Smart Tree: An Architectural, Greening and ICT Multidisciplinary Approach to Smart Campus Environments". In: *Sensors* 21.21 (Oct. 2021), p. 7202. DOI: 10.3390/s21217202. URL: https://doi.org/10.3390%2Fs21217202.

[18] Maria Hervas-Gutierrez, **Eduardo Baena**, Carlos Baena, Javier Villegas, Raquel Barco, Sergio Fortes. "Impact of CPU Resource Allocation on vRAN Performance in O-Cloud". In: (July 2023). DOI: 10.36227/techrxiv.23792580.v1. URL: https://doi.org/10.36227%2Ftechrxiv.23792580.v1.

[19] Oswaldo Peñaherrera, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "ML-based communications management for XR services". In: (June 2023). DOI: 10.36227/techrxiv.21268680. URL: https://doi.org/10.36227%2Ftechrxiv.21268680.

[20] Antonio Tarrias, Alejandro A. Moreno, Francisco J. Pareja, **Eduardo Baena**, Raquel Barco, Sergio Fortes. "UE side Cross-layer Metrics as a Key Enabler for Zero Touch Networks". In: (Mar. 2023). DOI: 10.36227/techrxiv.22210300. URL: https://doi.org/10.36227%2Ftechrxiv.22210300.

Conference papers

[1] **Eduardo Baena**, Sergio Fortes, Raquel Barco. "DRS signaling optimization in unlicensed dense coexistence scenarios". In: *3rd POST IRACON Meeting*. June 2021.

[2] Leonardo Aguayo, Sergio Fortes, Carlos Baena, **Eduardo Baena**, Raquel Barco. "Cellular Key Quality Indicators Estimation Based on Multivariate Time-Series". In: *3rd POST IRACON Meeting*. June 2021.

[3] O. S. Peñaherrera-Pulla, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "KQI evaluation for 360-Video services over mobile networks". In: *INTERACT Meeting*. Bologna, Italy, Feb. 2022.

[4] Ana Herrera-Garcia, Sergio Fortes Rodriguez, Eduardo Eduardo Baena, Raquel Barco. "KPI-to-KQI metrics mapping (UMA ONEG Demonstration in EuCNC 2018)". In: *European Conference on Networks and Communications*. Ljublana, Slovenia, June 2018.

[5] Emil Jatib, Rasmus Suhr Mogensen, Ignacio Rodriguez, Sergio Fortes, Jose Carlos Baena, **Eduardo Baena**, Raquel Barco, Gilberto Bernardinerli. "Wireless Control of Industrial Production". In: *European Conference on Networks and Communications EuCnC*. Valencia, June 2019.

[6] Nicola Blefari-Melazzi, Stefania Bartoletti, Luca Chiaraviglio, Flavio Morselli, **Eduardo Baena**, Giacomo Bernini, Domenico Giustiniano, Mythri Hunukumbure, Gürkan Solmaz, Kostas Tsagkaris. "LOCUS: Localization and analytics on-demand embedded in the 5G ecosystem". In: *European Conference on Networks and Communications (EuCNC)*. Virtual. Dubrovnik, Croatia, June 2020.

[7] Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Might 5G Technologies Increase or Reduce the Digital Divide?" In: *IEEE Global Communications Conference (IEEE GLOBECOM)*. Abu Dhabi, UAE, Dec. 2018.

[8] S. Fortes, A. Aguilar-Garcia, E. Baena, Mariano Molina-García, Jaime Calle-Sánchez, José I. Alonso, Aaron Garrido Alfonso Fernández-Durán, R. Barco. "Location-aware Enhanced Self-healing in Femtocell Networks". In: *COST IRACON 5th MC meeting and 5th Technical meeting*. Graz, Austria, Sept. 2017.

[9] **Eduardo Baena**, Sergio Fortes, Raquel Barco. "Impact of Unlicensed-band Listen Before Talk Priority Classes in Ultra-dense Scenarios". In: *COST IRACON 11th MC meeting and 11th technical meeting*. Gdansk, Poland, May 2019.

[10] Sergio Fortes, José Antonio Santoyo-Ramón, **Eduardo Baena**, David Palacios, Rocío Mora-García, Miguel Medina, Patricia Mora, Raquel Barco. "Smart-City Approaches in the Campus: The University of Málaga Case". In: *COST IRACON 11th MC meeting and 11th technical meeting*. Gdansk, Poland, May 2019.

[11] Ana Herrera-García, Sergio Fortes, **Eduardo Baena**, Jessica Mendoza, Carlos Baena, Raquel Barco. "Estimation of Service Quality Indicators in Cellular Networks". In: *COST IRACON 11th MC meeting and 11th technical meeting*. Gdansk, Poland, May 2019.

[12] Sergio Fortes, Carlos Baena, **Eduardo Baena**, Javier Villegas, Muhammad Zeeshan Asghar, Raquel Barco. "Framework For Location-Aware Cellular Management". In: *COST IRACON 11th MC meeting and 11th technical meeting*. Gdansk, Poland, May 2019.

[13] Oswaldo Sebastián Peñaherrera-Pulla, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Experimental Evaluation of Cloud Gaming for Different Communication Technologies". In: *COST IRACON 2nd Post-IRACON Meeting*. Jan. 2021.

[14] Javier Villegas, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Cellular KPI Estimation with Social Information". In: *COST IRACON 2nd Post-IRACON Meeting*. Jan. 2021.

[15] O. S. Peñaherrera-Pulla, Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Adquisición de métricas para el servicio de Vídeo 360/VR". In: *XXXVI Simposium Nacional de la Unión Científica Internacional de Radio*. Vigo, 2021.

[16] Antonio Tarrías, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Análisis de Interferencia TDD sobre un escenario 5G mmWave". In: *XXXVI Simposium Nacional de la Unión Científica Internacional de Radio*. Vigo, 2021.

[17] Alejandro Moreno-Sancho, Sergio Fortes, **Eduardo Baena**, Francisco Pareja Peña, Raquel Barco. "Estimación de KQIs en base a trazas de aplicación móvil". In: *XXXVI Simposium Nacional de la Unión Científica Internacional de Radio*. Vigo, 2021.

[18] Adrián Pérez, Renato Torres, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Modelos de movilidad para simulación de multitudes sociales en entornos celulares". In: *XXXVI Simposium Nacional de la Unión Científica Internacional de Radio*. Vigo, 2021.

[19] Francisco Muro Correro, **Eduardo Baena**, Sergio Fortes, Lars Mikkelsen, Michael Dieudonne, Joaquin Torrecilla, Ashok Sethu, Raquel Barco. "Evaluación del impacto del Noisy Neighbour en redes móviles virtualizadas". In: *XXXVI Simposium Nacional de la Unión Científica Internacional de Radio*. Vigo, 2021.

[20] **Eduardo Baena**, Sergio Fortes, Francisco Muro, Carlos Baena, Raquel Barco. "Gestión de redes 5G basada en clasificadores de imágenes de aprendizaje profundo". In: *XXXVII Simposium Nacional de la Unión Científica Internacional de Radio*. Málaga, 2022.

[21] Ana Herrera García, Sergio Fortes, **Eduardo Baena**, Jessica Mendoza, Raquel Barco. "Modelado de indicadores de calidad de servicio para la gestión de red extremo a extremo". In: *XXXIV Simposium Nacional de la Unión Científica Internacional de Radio URSI*. Sevilla, España, Sept. 2019.

[22] Carlos Baena, Sergio Fortes, **Eduardo Baena**, Raquel Barco. "Estimación de métricas de vídeo streaming para "network slicing"". In: *XXXIV Simposium Nacional de la Unión Científica Internacional de Radio URSI*. Sevilla, España, Sept. 2019.

[23] Javier Villegas, Sergio Fortes, Carlos Baena, **Eduardo Baena**, Rafael Ortiz, Benjamin Colomer, Raquel Barco. "Desarrollo de un Simulador de Nivel de Enlace del Estándar AFDX". In: *XXXV Simposium Nacional de la Unión Científica Internacional de Radio*. Málaga, 2020.

[24] Alejandro Moreno-Sancho, **Eduardo Baena**, Sergio Fortes, Raquel Barco. "Sonda experimental de monitorización de redes móviles para eventos". In: *XXXV Simposium Nacional de la Unión Científica Internacional de Radio*. Málaga, 2020.

[25] **Eduardo Baena**, Sergio Fortes, Raquel Barco. "Evaluación del protocolo Listen Before Talk en el estándar 3GPP Licensed Assisted". In: *XXXIII Simposium Nacional de la Unión Científica Internacional de Radio*. Granada, Andalucía, España, 2018.

[26] Sergio Fortes, Hao Qiang Luo-Chen, **Eduardo Baena**, R. Barco. "Identificación de eventos sociales como la causa de fallo en redes celulares". In: *XXXIII Simposium Nacional de la Unión Científica Internacional de Radio*. Granada, Andalucía, España, 2018.

[27] **Eduardo Baena**, Sergio Fortes, Jose Carlos Baena, Raquel Barco. "Optimización de señalización en el canal común descendente para el estándar LTE-LAA". In: *XXXIV Simposium Nacional de la Unión Científica Internacional de Radio URSI*. Fecha de celebración: 4-6 de Septiembre de 2019. Sevilla, España, Sept. 2019.

[28] Sergio Fortes, Jose Antonio Santoyo-Ramón, David Palacios, **Eduardo Baena**, Rocío Mora-García, Miquel Medina, Patricia Mora, Raquel Barco. "Líneas ambientales, de enseñanza e investigación de la iniciativa Smart-Campus de la Universidad de Málaga". In: *XXXIV Simposium Nacional de la Unión Científica Internacional de Radio URSI*. Sevilla, España, Sept. 2019.

Skills

Wireless Communications	I am proficient in deploying and improving wireless networks using Software-Defined Radios (SDRs) and have hands-on experience with technologies like Amarisoft and srsRAN.
Project Management	I have managed and secured approximately 2M€ for research groups through European Union funded projects such as Cloud5G, POSEIDON, and PANDORA.
AI and Machine Learning	I have led initiatives employing a wide range of AI algorithms, notably in optimizing unlicensed spectrum cellular networks and managing diverse challenges in cellular network management.
Interdisciplinary Approach	I apply a multifaceted approach to projects and teaching, blending diverse fields like electrical engineering and music to innovatively navigate technical and educational scenarios.
Academic Diversity	I teach a wide array of subjects such as electrical circuits, health engineering, sound engineering, and telecommunication, applying tailored methodologies to each domain.
Global Perspective	I speak fluent English (CAE Certified) and Italian, also understand French and elementary German and Czech. I have traversed over 20 countries, absorbing various cultural and technical insights to enhance both my professional and academic undertakings.
Technological Advocacy	I promote the transformative power of generative AI through educational frameworks and beyond, advocating for its constructive utilization and development in academia.
Entrepreneurial Initiatives	I have navigated through different entrepreneurial endeavors, including freelancing and initiating startup ventures like AIwhere, intertwining technical knowledge with business strategy.
Public Speaking	I capably communicate complex technical concepts to diverse audiences through various formats such as lectures, workshops, and international presentations.
Scholarly Contributions	I have authored more than 25 conference publications, comprising conference proceedings, workshops, technical meetings and posters, presenting at prominent conferences such as ICC, Globecom, and MWC.

Awards and Recognitions

Ph.D. Thesis Recognition	My doctoral thesis was distinguished with the *Cum Laude* mention, recognizing the exemplary quality and significant contributions to the field.
Shark Tank IMFAHE	Winner of the first edition of the Shark Tank competition organized by IMFAHE. My project jointly with neuroscientis from University of La Laguna, *DemVir*, a virtual reality software designed for dementia study, was mentored by Carlos Castro from MIT and was lauded for its innovative approach towards understanding and exploring dementia-related studies.
UMA Spinoff Awards 2023	My spinoff project, *AIwhere*, which proposes a communications software tailored for critical applications, was honored in the UMA Spinoff Awards 2023, securing a prize of €3000. The project was recognized for its innovative approach to ensuring reliable and adaptive communications for critical applications.