

Edwin A. Hernandez-Mondragon, PhD
Technology Leader, Inventor, and Entrepreneur
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Professional Summary

Dr. Edwin Hernandez is a proven technical leader with over 25 years of experience driving innovation in wireless communications, mobile systems, AI/ML, cloud platforms, and multimedia streaming. As a serial entrepreneur, inventor of 17 issued U.S. patents (plus 5 European), and founder of EGLA CORP and the EGLAVATOR technology incubator, he has consistently led cross-functional engineering teams, defined product architectures, and delivered market-leading technologies. His leadership spans Fortune 500 companies (Motorola, Microsoft) and successful startups, with a track record of licensing portfolios to major players (Google, Verizon, Cisco, Samsung, Nokia, Ericsson, DISH) and providing expert testimony in high-stakes IP litigation resulting in hundreds of millions in awards.

Dr. Hernandez Technical Leadership

- As a legal expert and leader in intellectual property. Dr. Hernandez has helped his clients include multi-million dollar licensing and settlements, including Mojo Mobility over \$190M, Blue Radios over \$20M, and many others with over \$300M licenses and settlements. As an expert, Dr. Hernandez has been invited to panels covering legal matters in cybersecurity, Artificial intelligence in several podcasts and webinars.,
- As a startup and tech leader, Dr. Hernandez funded and managed a technology Accelerator and incubator in Boca Raton FL, called EGLAVATOR. The EGLAVATOR was recognized as one of the tech hubs in South Florida and hosted events and over 80 startups from 2017 to 2023. Including, alumni as Points Kash with a multi-million dollar valuation and funding, or Guiltless with an appearance at "Elevator Pitch" TV Show.
- In 2024 Global Innovation Award nominations for his patents and technology accelerator, and other awards in Florida, from blockchain to augmented reality
- Dr. Hernandez has been recognized as the Inventor of Modern Wireless Handoff, a technology used by the entire 4G and 5G industries, in most mobile phones, connected cars, and other devices with licenses with Verizon Wireless, Cisco, DISH, Phone Carriers, Device Manufacturers, and others
- Judge for the Mobile World Congress in Barcelona twice 2019 to 2020
- As leader in Streaming technologies, Dr. Hernandez' and EGLA's "Streaming Portfolio" is cited by several Cloud TV and streaming magazines for his multimedia streaming platforms that was instrumental in a \$16M acquisition in 2014
- Education leadership as a Founder of HONDURAS GLOBAL, an organization helping STEM and other professional students with seminars in Honduras, and industry advisor to Florida Atlantic University, EECS School's.
- Dr. Hernandez also produces TECHEDTV a technology news channel and podcast in Spanish and English

Academic Background

- Ph.D., Computer Engineering, University of Florida, 2002 Dissertation: Adaptive Networking Protocol for Rapid Mobility (Advisor: Dr. Sumi Helal)
- M.Sc., Electrical & Computer Engineering, University of Florida, 1999
- B.Sc., Electronics Engineering, Costa Rica Institute of Technology, 1995

Key Professional Experience Highlighting Technical Leadership

EGLA CORP & EGLA COMMUNICATIONS – Investor, Innovator, Founder & CEO (2010–Present)

- Multimedia Platforms: Augmented Reality, Crypto, and patented Streaming platforms (MEVIA/MEVIAOS) for streaming and Smart TV systems serving operators in Honduras, U.S., and previously Brazil (500K+ subscribers via SKY TUNES).

- Startups and Funding : Provide strategic technical direction to 35+ startups via the EGLAVATOR incubator (founded 2017), covering AI, blockchain, 5G, and SaaS prototyping.
- Leading technical teams at startups where EGLA CORP has ownership or consulted to raise capital and launch a new venture.
- Intellectual Property: Expert witness in 50+ IP cases (15+ IPRs, trial testimonies), including multi-million-dollar wins for Blue Radios (\$24.8M), Mojo Mobility (\$192M), and TOT Power Control (\$110M).

MOBILITY WORKX, LLC – Principal & Co-Founder (2016–Present)**

- Co-founded and technically lead patent commercialization for wireless emulation (MobileCAD) and seamless mobility (Mobile IPP) portfolios. Secured licensing deals with Verizon, Cisco, DISH, Samsung, Nokia, and others for handover and emulation technologies covering LTE Rel 9–14 and 5G NR Rel 15+.

Motorola, Inc - Principal Staff Software Engineer / Tech Lead, Mobile Devices (2007–2010)

- Led global teams (U.S., China, Russia) on Google Android platform development, kernel prototyping, HTTP Push/MMS, and DRM.
- Defined Android architecture for Plantation site and seeded iDEN+5 concept; supported licensing negotiations.

Sr. Staff Software Engineer (2003–2007)

- Feature lead for Java VM on dual-mode devices, J2ME/JSR implementations, and platform design for Windows CE/Smartphone devices.

Microsoft Corp – Technical Program Manager, Windows Networking (2002–2003)

- Feature lead for Bluetooth Personal Area Networking (PAN): drove architecture, design, test automation, security analysis, and IPv4/IPv6 drive testing.
- Issued patents for PAN driver and contributed to power management algorithms.

Patents Demonstrating Technical Leadership (17 Issued U.S., 5 European)

- US 7,564,810 – Power management for wireless devices (Microsoft)
- US 7,231,330 – Rapid Mobility Network Emulator (RAMON, Mobility Workx)
- US 7,697,508 & 8,213,417 – Proactive resource allocation for wireless communication (Mobility Workx)
- US 7,269,388 – Bluetooth PAN driver (Microsoft)
- US 8,788,715 & 7,996,505 – Rules-based network selection (Microsoft)
- Multiple MEVIA/MEVIAOS patents for streaming, casting, and decentralized MEVIA Streaming (US 10,123,074; 10,524,002; 11,140,441; 12,075,116.) and MEVIAOS US 12,346,399 (EGLA CORP)

Honors, Awards & Leadership Recognition

- Innovation Award, South Florida Tech (EGLAVATOR), 2024
- Global Business Awards for EGLA CORP, 2023
- Judge, Mobile World Congress (Barcelona), 2019 & 2020
- Mentor, FAU Tech Runway Business Plan Competition (team finalist, 2021)
- Fulbright Scholar, 1997–1999
- Multiple hackathon wins and startup competition finalist placements.