



Dr. NÍCOLAS F. FIGUEROA MOSQUERA

PhD in Humanoid Robotics | Strategic Advisor | IEEE RAS
Board Member | International Speaker

CONTACT

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- Lima, Peru

WEBS & PROJECTS

- Personal Portfolio
- NFM Robotics
- RoboticsLab
- Robótica Perú Community

AREAS OF EXPERTISE

Industrial Robotics Strategy

Humanoid Robotics & AI

Public Policy & Global
Standards

Innovation & Startup
Ecosystems

R&D Project Management

Technology Adoption

Robotic Systems Design &
Prototyping

PROFESSIONAL PROFILE

A robotics pioneer and ecosystem architect dedicated to bridging the gap between cutting-edge research, industrial application, and technology policy. With a dual PhD in Humanoid Robotics, I operate at the unique intersection of business, global standards (IEEE), and government advisory, driven by a mission to accelerate technology adoption and cultivate the next generation of leaders in Latin America.

STRATEGIC & ADVISORY EXPERIENCE

Jan 2025 - Present

Global Board Member, Industry Activities Board (IAB)

IEEE Robotics & Automation Society (RAS)

Mar 2025 - Present

Member, National Robotics Expert Committee

Presidency of the Council of Ministers of Peru (PCM)

Feb 2019 - Present

Strategic Partner

Silicon Valley Robotics

ENTREPRENEURIAL & INDUSTRY

LANGUAGES

Bilingual: Spanish (Native) &
English (B2)

LEADERSHIP

Aug 2015 - Present

Founder & General Manager

NFM Robotics

Jan 2018 - Present

Founder & Research Director

RoboticsLab

Jan 2021 - Dec 2024

Chair (Former, Two Terms)

IEEE RAS, Peru Section

UNIVERSITY TEACHING EXPERIENCE

Extensive experience as a lecturer in engineering programs at Peru's most prestigious universities, imparting cutting-edge knowledge and training new generations of technology professionals. This experience primarily covers the period between 2016 and 2020.

Featured Universities

- Pontifical Catholic University of Peru (PUCP)
- Peruvian University of Applied Sciences (UPC)
- ESAN University
- University of Lima
- San Ignacio de Loyola University (USIL)
- National University of Callao (UNAC)
- Private University of the North (UPN)

Key Teaching Areas

- Artificial Intelligence & Robotics
- Machine Intelligence
- Control Systems & Automation
- Technological Innovation
- Mobile Device Programming
- Computer Architecture
- **Thesis Advisor & Jury Member:** Guided and evaluated final degree projects in engineering and technology.

EDUCATION

2025

Dual PhD in Humanoid Robotics

University of Montpellier, France & Pontifical Catholic University of Peru

2015

Master's Degree in Robotics and Automation

Charles III University of Madrid, Spain

2011

Professional Degree in Electronic Engineering, CIP

National University of Callao, Peru

AWARDS & KEY MILESTONES

-  **Pioneer of Humanoid Robotics in Peru:** Recognized for building the country's first humanoid robot ("KIAM IV") in 2003, while still in high school.
-  **Founder of the UNAC Robotics Group (2008):** Established the robotics group at the National University of Callao, laying the groundwork for a new generation of engineers in the country.
-  **Illustrious Citizen of the District of Bellavista (2023):** Honored for technological contributions in the field of robotics and community outreach efforts.
-  **Winner, Triple Alliance Challenge (2020):** 3rd Place with the "Juzto" robotics project.
-  **President of the Republic Scholarship (2013):** Awarded by PRONABEC for postgraduate studies abroad.