

FRANTZ LOHIER *PhD*

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Over 20 years of deep tech leadership driving disruptive innovations — from pioneering video calling at **Logitech** and launching an IoT startup, to drones and aerial imaging at **Qualcomm**, automotive technology at **Samsung** (self-driving cars) and **Forvia** (intelligent cockpits), co-founding a medical startup, autonomous robots at **iRobot**, and AI/data center initiatives at **Amazon AWS**.

Technical Executive & CTO — Technology Roadmapping • AI & Robotics • Product Innovation

LEADERSHIP

- **Entrepreneurship** — 3× startup founder/co-founder
- **Business Development** — technology & product roadmapping, scouting, open innovation
- **Team Leadership** — cross-functional collaboration, stakeholder alignment
- **Budgeting & Change Management**
- **M&A & Venture Funding** — due diligence, board positions

TECHNICAL DOMAINS

- Cloud Technologies (AWS Certified)
- Autonomous Robotics (Drones, Self-Driving Cars)
- Embedded Systems & IoT
- GenAI, Agentic AI, Physical AI, Computer Vision

EDUCATION

Sorbonne University

PhD (Cum Laude), Signal Processing, 2000. Master in Robotics, 1996

SUPINFO, Paris

M.Sc. Computer Science, 1995

AWARDS &

PUBLICATIONS

- IEEE Senior Member (2009)
- 12 articles, 15 patents, 2 books (ISBN 979-8861534253, 979-8869586261)
- Nominated Trade Advisor to the French Government (CCEF), 2021
- Semi-finalist, UC Berkeley Haas Business Plan Competition, 2009
- IF Design Award, 2019
- Faurecia Global Leadership Community (top 300 of 112,000)

LANGUAGES

French & English — Bilingual

German — Basic

INTERESTS

- Technology & Innovation Writing
- Humor & Cross-Cultural Experiences
- Finance (Securities & Insurance)
- Boating & Land Sailing

KEY PROFESSIONAL EXPERIENCE

Senior Emerging Technology Specialist — AI, Physical AI & Robotics

Amazon AWS • WW Specialists • San Francisco • 2024–Present

- Generated 15 opportunities, building a **\$40M revenue pipeline** in industrial inspection and warehouse automation.
- Initiated and implemented 3 Physical AI proof-of-concepts with major lighthouse customers and authored 4 public-facing blogs – including an novel alternative approach to Vision Language Action (VLA).pending NeurIPS paper acceptance.
- Mapped internal technologies (GenAI, Agentic AI, Physical AI) to actionable robotics use cases.
- In partnership with OpenCV, launched “COOL” or Cloud Optimized OpenCV Library on AWS marketplace and launched a 2-month WW programming competition around Physical AI and the use of AWS graviton processor totalling more than 1000 registered participants
- AWS Cloud Practitioner & AWS AI Practitioner certified.

Chief Architect

iRobot (Roomba • Amazon M&A) • San Francisco / Bedford, MA • 2022–2024

- Led definition of next-generation autonomous vacuum cleaners and lawnmowers: new compute and sensing platform with 25+ sensors, NPU, and multiple processors.
- Reduced product BOM by **30%** through advanced computer vision and cross-product platform reuse.
- Introduced and deployed remote video-streaming “remote checking” feature across the portfolio.
- De-risked novel 3D depth-sensing and illumination techniques for product lines.

Chief Technology Officer

Faurecia Clarion Electronics (now Forvia) • Paris / Japan • 2018–2022

- Directed five product lines with a **globally distributed team of 50** across Europe, China, USA, and Japan.
- Launched **12 electronic/software platforms in one year** on a \$65M budget, spanning IVI, audio (ANC, sound surfaces), ADAS, cabin monitoring, and display technologies.
- Led strategic planning, business intelligence, and product/technical roadmapping; organized ‘Technosession’ events to validate Unique Selling Propositions (USPs).
- Served on the due-diligence and integration committee for Clarion’s **\$1.7B acquisition**; consolidated three culturally diverse companies.
- Held board positions with Aptoid, Irystec, and CREO; due diligence on four Intelligent Cockpit / ADAS startups.

WW Director of Product Management — Autonomous Driving

Samsung Strategic & Innovation Center • San Jose, CA • 2016–2017

- Led product and roadmap definition for Samsung’s self-driving vehicle platform (DRVLIN); architected modular embedded middleware and cloud services.
- Managed venture due diligence for three investments (AutoTalks, Valens, TTTech) totaling **>\$100M** in funding.
- Collaborated with VP/C-level prospects to validate roadmaps against cybersecurity and L3+ functional-safety standards.

Director of Product Management & Business Development

Qualcomm Corporate R&D • San Diego, CA • 2013–2016

- P&L lead for Robotics (reporting to CTO): defined business plans, monetization options, and go-to-market strategy.
- Secured **>\$40M in UAV revenue** leading a team of 10 regional sales managers; launched the Snapdragon Flight platform.
- Built strategic alliances, engaged academic partners, and explored M&A/venture opportunities for emerging technologies.

PRIOR EXPERIENCE

2024 — Scientific Board Member, Renault Group

6-month advisory contract on advanced technology strategy.

2017–2018 — Head of R&D, Parrot Automotive (700 engineers)

Led R&D prior to Faurecia acquisition. Filed two patents; initiated assertive licensing program.

2010–2012 — VP Technology, Standards & IP, NAGRA/Kudelski Group

Led technology strategy and intellectual property for a digital content distribution leader.

2009–2012 — Founder & CEO/CTO, Intentionis (IoT startup)

Semi-finalist at UC Berkeley Haas 2009 business plan competition.

2001–2011 — Technology Managing Director, Logitech

10 years building computer peripherals (video calling); rose to Tech Managing Director.