

Maher JABBERI

Computer Science Educator & Researcher

Education

- **PhD in Computer Science**, Faculty of Sciences, Bizerte
 - Thesis: Localization of connected objects via intelligent solutions (swarm intelligence, stochastic models, ML/DL, quantum computing)
- **Research Master's in Computer Science (Telecom)**, Faculty of Sciences, Bizerte
 - Thesis: Impact of sink mobility on QoS and energy consumption in wireless sensor networks (C++)
- **Specialized Master's in IT**, National School of Engineers, Sfax
 - Thesis: Advanced administration of Intranet/Extranet under Linux (Red Hat Fedora 8)
 - Implemented web services (HTTP/DNS/DHCP), FTP, Squid proxy
- **Master's in Computer Science**, Faculty of Economics and Management, Sfax
 - Thesis: Visual coding of offline Arabic handwriting using MATLAB

Publications

- **Energy-Efficient Real-Time Localization for Distributed IoT Sensing: Novel CNN-based Models**, *ISORC* (2025)
 - Invited to extend for submission to *Journal of Systems Architecture* (JSA)
- **Optimal LoRaWAN Gateway Placement for Efficient Large-Scale IoT Deployments**, *IWCMC* (2025)
- **Performance Evaluation of Real-Time Localization and Positioning Algorithms for WSNs**, *IEEE ISORC* (2024)
- **Accurate Energy-Efficient Hybrid Localization Models for Distributed IoT Sensing**, *IEEE/ACS AICCSA* (2024)
- **Next-Gen IoT Localization: When Energy Efficiency Meets Quantum-SalpSwarm-Markov Hybridization**, *SSRN* (2024) †
- **Impact of Sink Mobility on QoS and Energy Consumption in Wireless Sensor Networks with Cluster Based Routing Protocols**, *IEEE/ACS AICCSA* (2017)

† Preprint submitted to *Computer Networks* (Journal)

Experience

- **Higher Education Instructor**, Ministry of Higher Education
- **Secondary School Teacher**, Ministry of Education
 - C2i certification trainer (2010-2012)
 - Trained educators in modern tech tools (MS Office, Google Drive)

🏠 5 Rue Ibn Zeidoun, AFH
7030 Mateur, Tunisia

☎ +216 28 665 584

✉ maher.jabberi@issatm.ucar.tn

Languages

- French: Fluent
- English: Good

Technical Skills

- C++, Python (Advanced)
- Java (Intermediate)
- Linux/Windows administration
- LAN/Wi-Fi setup, Squid proxy
- Operating Systems
- Linux (LPIC1)
- Algorithms & Data Structures
- IoT Security
- Cloud Computing

Interests

- Research, IoT, AI
- System & Data Security
- Training & Development