

About BARSEKH-ONJI

DSc. M.EEng. DIRCOM

Mexico City, C.P.-52764, Mexico

+52-55-4778-5148 • ing.onji@outlook.es • www.aboudonji.com/en

orcid.org/0009-0004-5440-8092



Biography

I have a Master's degree in Electrical Engineering (Electrical Power Systems Control) from Aleppo University, a Master's degree in Communication Management, and a Dr. degree in Sciences, specializing in Administrative Sciences (Energy Management), at the National Polytechnic Institute. I am a researcher and expert in the development of Artificial Intelligence (AI) models for organizational innovation and Energy Management. I have published a variety of research papers on the application of "AI Optimization models" and "Genetic Algorithms" to the administration of electricity markets. Furthermore, I participated in international academic forums that focus on public administration and renewable energy. I am fluent in French, English, Arabic, and Spanish. I serve as the DIRCOM of the Embassy of the State of Qatar in Mexico since 2019. (<https://orcid.org/0009-0004-5440-8092>)

Education

Program	Institution/Board	Year
DSc. (Docotrate in Sciences)	Instituto Politécnico Nacional <i>Mexico City, México</i>	2025
M.C. (Master's degree in Communication Management) C.P. 15192274	Universidad tecnológica de México <i>Mexico City, México</i>	2021
M. EEng. (Master's degree in Electrical Engineering) C.P. 13610643	Aleppo University, Faculty of Elec. Engin. <i>Aleppo, Syria</i>	2012
EEng. (Electrical Power System Eng.) C.P. 12793049	Aleppo University, Faculty of Elec. Engin. <i>Aleppo, Syria</i>	2009

Professional Experiences

- Full Professor**
Faculty of Engineering
Aug 2023 - Today
Universidad Anáhuac México
 - Full Professor of **Artificial Intelligence, Machine & Deep Learning and Simulation**
 - Mechatronic engineering, Industrial engineering and Engineering Management*
 - Language(used): Python, MATLAB & Simulink
- DIRCOM (Director of Communications)**
Communication Department
Feb 2019 - Today
Qatar Embassy in Mexico
- Editorial Board Member - Peer Reviewer**
Elsevier, Inc.
Jul 2021 - Today
Elsevier, Inc.
 - journal, Energy Conversion and Management, ISSN: 0196-8904
 - journal, Computational Economics, ISSN: 1572-9974
 - journal, Computer and Electrical Engineering, ISSN: 0045-7906
- Analyst**
Radio and TV
Feb 2020 - Today
Several Mexican and European Media
 - Radio Joya 93.7 FM, Radio Centro, Milenio TV, Imagen TV
- Associate Professor**
Faculty of Electrical Engineering
2010 - 2012
Aleppo University

Investigation Projects and Publications

- Arabian Journal for Science and Engineering (JCR-Scopus-Elsevier-Springer)** 2025
King Fahd University of Petroleum and Minerals

- o Paper: 'Hybrid Modeling for Electricity Prices: Fuzzy Subtractive clustering with Particle Swarm Optimization' , ISSN: 2193-567X, DOI: 10.1007/s13369-025-10538-7

Urban Governance Journal (Scopus-Elsevier)

2025

Shanghai Jiao Tong University

- o Paper: 'Advancing smart public administration: Challenges and benefits of artificial intelligence' , ISSN: 2664-3286, DOI: 10.1016/j.ugj.2025.06.003

Communications in Computer and Information Science (Scopus-Springer)

2025

Springer Nature

- o Paper: 'Intelligent Simulation of Electricity Prices in Mexico: Fuzzy Clustering and Particle Swarm Optimization.', DOI: 10.1007/978-3-031-97913-2-6

Tirant plural editorial

2025

Spain-Mexico

- o Book 'Energía: Sistemas de gestión y eficiencia empresarial' (Energy: Management Systems and business efficiency), ISBN: 978-84-1081-100-3

Mercados y Negocios Journal (Scopus-Elsevier)

2025

University of Guadalajara

- o Consumer Happiness in the Purchase of Electric Vehicles: a Fuzzy Logic Model, DOI: <https://doi.org/10.32870/myn.vi54.7776>

Journal of Research and Development

2023

ECORFAN - Spain

- o Use FACTS elements to improve energy exchange between countries in response to the high penetration of variable renewable energy, DOI: 10.35429/JRD.2023.24.9.15.23

Instituto Politécnico Nacional

2024

Escuela Superior de Comercio y Administración

- o Macrostrategic Governmental Model for the Integration of Renewable Energy Sources Provided by Private Initiatives into Mass Electricity Generation in Mexico

Aleppo University Research Journal

2010

Engineering Sciences Series

- o A New Technology to Accelerate the Start-up of the Steam Mehardeh Station by Using the Thermal Tracking System with Electric Heaters - ISSN 2789-9594

Aleppo University Research Journal

2009

Engineering Sciences Series

- o The reduction of voltage surges caused by the Ferranti phenomenon in high and very high voltage networks through the use of SVC static compensators - ISSN 2789-9594

Courses Taught

Machine Learning

2024 - Today

Anahuac University, Faculty of Enineering

- o Designed and delivered a graduate-level course focusing on algorithm design, complexity analysis, and optimization techniques.
- o Genetic Algorithms, Particle Swarm Optimization Algorithm (PSO), Multi-objective Particle Swarm Optimization Algorithm (MOPSO)

Fundamentals of artificial intelligence

2024 - Today

Anahuac University, Faculty of Enineering

- o Includes: fuzzy logic, supervised and unsupervised learning algorithms, optimization using genetic algorithm and Particle

Artificial intelligence in industry

2024 - Today

Anahuac University, Faculty of Enineering

- o Includes: General approach to supervised and unsupervised learning algorithms, optimization using genetic algorithm and Particle

Technical Skills

- Programming Language: C, C++, MATLAB, Simulink, Python
- Web Technology: HTML, XML, Php
- Database System: phpMyAdmin, Mysql, IBM Cognos Analytics, Google Analytics
- Tools: Latex, Abode Dreamweaver, Microsoft Office
- Electrical Power Systems Simulation: E-Tap, SimPowerSystem

Languages

- Spanish (%100), French (%70), Arabic (%100), English (%70)

Declaration

I do hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place: Mexico City, Mexico

BARSEKH-ONJI Aboud

Date: October 17, 2025