



# NAWROZ UNIVERSITY



| Personal Information  |                         |                   |                             |
|-----------------------|-------------------------|-------------------|-----------------------------|
| Name:                 | Mohammed Falah Mohammed | Address:          | Nawro city, Duhok           |
| Place & Date of Birth | 1983 / Nineveh          | Phone. No.        | 07503788211                 |
| Marital Status:       | Married                 | University E-mail | m.falahkanna@nawroz.edu.krd |

| Employment Information                   |                      |                                   |                            |
|--|----------------------|-----------------------------------|----------------------------|
| Profession                               | Computer Engineering | Scientific Title & Acquiring Date | Assistant Professor / 2015 |
| Type of Relationship with the University | Full Time            |                                   |                            |

| Academic & Scientific Degrees |  |                                 |                                 |
|-------------------------------|--|---------------------------------|---------------------------------|
| Degree                        | Bachelor   | Master                          | PhD                             |
| University Name               | Technical College of Mosul   | Universiti Sains Malaysia (USM) | Universiti Sains Malaysia (USM) |
| Degree granting country       | Iraq   | Malaysia                        | Malaysia                        |
| Date of acquiring degree      | 2006   | 2010                            | 2014                            |
| Title of Master Thesis        | Ms. Sc. in Development of Java-Based RFID API for Heterogeneous RFID System.                               |                                 |                                 |
| Specialization                | Wireless and Mobile System - Electrical and Electronic Engineering   |                                 |                                 |
| Title of PhD Dissertation     | PhD. in Individual and Ensemble Pattern Classification Models Using Enhanced Fuzzy Min-Max Neural Networks |                                 |                                 |
| Specialization                | Computational Intelligence - Electrical and Electronic Engineering   |                                 |                                 |

| Teaching Expertise |         |                               |   |  |
|--------------------|---------|-------------------------------|---|--|
| From               | To      | Scientific Title              | University Name                         | Given(taught)Subject Materials   |
| 2021               | ongoing | Assistant Professor           | Nawroz University                       | Computer Networks, Information and Network Security.                           |
| 2020               | 2021    | ICT Tutor                     | World Vision International Organization | Data Science, Web Development, Mobile Application Development, Digital Skills. |
| 2020               | 2021    | Assistant Professor (Visitor) | Cihan University                        | Visual Programing I and II.  |
| 2019               | 2020    | Assistant Professor           | Zakho University                        | Mobile Application Development I & II.   |

|      |      |                     |                            |   |
|------|------|---------------------|----------------------------|---|
| 2014 | 2019 | Assistant Professor | University Malaysia Pahang | Artificial Intelligence Techniques,<br>Mobile Application Development,<br>Object Oriented Programming,<br>Web Scripting,<br>Web Technologies. |
|------|------|---------------------|----------------------------|---|

| Managerial Expertise |      |   |
|----------------------|------|---|
| From                 | To   | Name of the University or Institution   |
| 2014                 | 2019 | <ol style="list-style-type: none"> <li>1. Head of the Multimedia Computing and Computer Vision research group (MCVIS)</li> <li>2. Coordinating and preparing teaching subject materials for the Mobile application subject for Universiti Malaysia Pahang and Muscat College of Oman.</li> <li>3. Administration tasks: <ol style="list-style-type: none"> <li>a. Member of the RESEARCH &amp; DEVELOPMENT OF SCIENCE committee.</li> <li>b. Member of the TECHNICAL &amp; DEVELOPMENT committee.</li> <li>c. Member of the Strategic Plan committee.</li> <li>d. Member of the QS Global Academic and Employer Surveys committee.</li> </ol> </li> <li>4. Research funds as a leader and as a member, <ol style="list-style-type: none"> <li>a. Project Leader for the International funding project of Baoji University of Arts and Sciences.</li> <li>b. Project Leader for one Malaysian National grant (Ministry of Higher Education).</li> <li>c. Project Leader for three UMP University grants.</li> <li>d. Member in eight UMP University grants.</li> </ol> </li> <li>5. Reviewing scientific papers and university grants applications.</li> <li>6. Supervising final year project students and postgraduate students (2 Ph.D.),</li> <li>7. Evaluating postgraduate and undergraduate students' dissertations.</li> </ol> |

| Authored Translated Books |                      |      |
|---------------------------|----------------------|------|
| Name of the Book (title)  | Place of Publication | Date |
|                           |                      |      |

| Scientific Researches   |                                    |      |
|---|------------------------------------|------|
| Research title  | Place of Publication               | Date |
| Face recognition using Laplacian completed local ternary pattern (LapCLTP)  | Springer                           | 2020 |
| A Refined Fuzzy Min-Max Neural Network with New Learning Procedures for Pattern Classification.                             | IEEE Transactions on Fuzzy Systems | 2020 |
| A Critical Review on Selected Fuzzy Min-Max Neural Networks and Their Significance and Challenges in Pattern Classification | IEEE Access                        | 2019 |
| Performance evaluation of completed local ternary pattern (cltp) for face image recognition                                 | Perform Eval                       | 2019 |
| Survey of Fuzzy Min-Max Neural Network for Pattern Classification: Variants and Applications                                | IEEE Transactions on Fuzzy Systems | 2018 |
| SAIRF: A similarity approach for attack intention recognition using fuzzy min-max neural network                            | Journal of Computational Science   | 2018 |

|  |   |      |
|--|---|------|
| Medical, scene and event image category recognition using completed local ternary patterns (CLTP)              | Malaysian Journal of Computer Science                     | 2017 |
| An Ensemble of Enhanced Fuzzy Min Max Neural Networks for Data Classification                                  | Telkomnika  | 2017 |
| Improving the Fuzzy Min-Max neural network with a K-nearest hyperbox expansion rule for pattern classification | Applied Soft Computing                                    | 2017 |
| A new hyperbox selection rule and a pruning strategy for the enhanced fuzzy min-max neural network             | Neural networks   | 2017 |
| An enhanced fuzzy min-max neural network for pattern classification  | IEEE transactions on neural networks and learning systems | 2014 |
| A novel trust measurement method based on certified belief in strength for a multi-agent classifier system     | Neural Computing and Applications                         | 2014 |
| Development of Java based RFID application programmable interface for heterogeneous RFID system                | Journal of Systems and Software                           | 2010 |

| Essays                    |                      |      |
|---------------------------|----------------------|------|
| Name of the Essay (title) | Place of Publication | Date |
|                           |                      |      |

| Conferences & WorkShop  |                       |      |
|---|-----------------------|------|
| Conference – WorkShop   | Type of Participation | Date |
| Analysis on Misclassification in Existing Contraction of Fuzzy Min-Max Models                                       | Participant           | 2019 |
| Diagnosis of the Parkinson disease using enhanced fuzzy min-max neural network and OneR attribute evaluation method | Participant           | 2019 |
| Performance evaluation of Completed Local Ternary Patterns (CLTP) for medical, scene and event image categorisation | Participant           | 2015 |
| Applying a multi-agent classifier system with a novel trust measurement method to classifying medical data          | Participant           | 2014 |

### Current Postgraduate (PhD, M.Sc., & Academic Diploma) Supervision

| No. | Student Name | University – College and Department | official Order No. & Date | Thesis Title |
|-----|--------------|-------------------------------------|---------------------------|--------------|
| 1   |              |                                     |                           |              |
| 2   |              |                                     |                           |              |

| Syndicate or Organizations Membership |                                   |
|---------------------------------------|-----------------------------------|
| Kind of Membership                    | Name of Organization or Syndicate |
| Senior Member                         | IEEE                              |

## Academic Network

| Website Name   | Link  |
|----------------|---|
| ORCID          | 0000-0002-5155-7461   |
| Google Scholar | <a href="https://scholar.google.com/citations?user=DS88zo0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=DS88zo0AAAAJ&amp;hl=en</a> |
| Research Gate  | <a href="https://www.researchgate.net/profile/Mohammed-Mohammed-33">https://www.researchgate.net/profile/Mohammed-Mohammed-33</a>               |
| Publons        |   |
| Linkedin       |   |