



جامعة العلوم والتقنية في الفجيرة  
University of Science and Technology of Fujairah

## CURRICULUM VITAE

### PERSONAL INFORMATION

|                 |  |
|-----------------|--|
| Name:           | Haythem El- Messiry                    |
| Nationality:    | Egyptian                               |
| Job Title:      | Associate Professor                    |
| Marital Status: | Married                                |
| College:        | Engineering and Information Technology |
| Department:     | Information Technology                 |
| Date of Birth:  | 7 <sup>th</sup> April 1972             |
| Moile Number:   | 0556799277                             |
| E-mail:         | h.elmessiry@ustf.ac.ae                 |

### EDUCATIONAL BACKGROUND

#### 1. Doctorate

|                           |  |
|---------------------------|--|
| University:               | Ulm University   |
| Country:                  | Germany  |
| Date of Obtaining degree: | July,2004  |
| Major:                    | Computer Science   |
| Minor:                    | computer vision  |
| Title:                    | Robust Segmentation of Human Cardiac Contours from Spatial Magnetic Resonance Images |

#### 2. Master

|                           |   |
|---------------------------|---|
| University:               | Alexandria University   |
| Country:                  | Egypt   |
| Date of Obtaining degree: | January, 1999   |
| Major:                    | Computer Science  |
| Minor:                    | Image Processing and Pattern Recognition  |
| Title:                    | Automatic Recognition of Typewritten Arabic Characters using Zernike Moments as a Feature Extractor |

#### 3. Bachelor

|                           |                       |
|---------------------------|-----------------------|
| University:               | Alexandria University |
| Country:                  | Egypt                 |
| Date of Obtaining degree: | May,1994              |

### COMPUTER SKILLS

|                |                                   |                                       |  |
|----------------|-----------------------------------|---------------------------------------|--|
| MS Word        | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| MS Excel       | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| MS Power Point | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| MS Outlook     | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| Internet       | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |

### LANGUAGE SKILLS

|                |                                   |                                       |  |
|----------------|-----------------------------------|---------------------------------------|--|
| Arabic         | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| English        | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input checked="" type="checkbox"/> Advanced |
| Other, specify | <input type="checkbox"/> Beginner | <input type="checkbox"/> Intermediate | <input type="checkbox"/> Advanced            |

**PROFESSIONAL EXPERIENCE**

| <b>From (year)</b> | <b>To (year)</b> | <b>Position</b>      | <b>Employer</b>   | <b>Country</b> |
|--------------------|------------------|----------------------|---|----------------|
| 1995               | 1999             | Assistant Researcher | Scientific Research and Technology Applications City  |                |
| 1999               | 2004             | Research Assistant   | Scientific Research and Technology Applications City  |                |
| 2004               | 2006             | Researcher           | Scientific Research and Technology Applications City  |                |
| 2007               | Current (tenure) | Assistant Professor  | Faculty of computer science and information, Ainshams university                                    |                |
| 2011               | 2015             | Assistant Professor  | Faculty of Information Technology, Al Jazeera university  |                |
| 2015               | 2017             | Assistant Professor  | Faculty of Information Technology, Al Dar university  |                |
| 2017               | 2018             | Associate Professor  | Faculty of Information Technology, Al Dar university  |                |
| 2018               | 2019             | Visiting Professor   | College of Engineering and Information Technology, Ajman University                                 |                |
| 2019               | present          | Associate Professor  | College of Engineering and Information Technology, University of Science and Technology of Fujairah |                |

**EDUCATIONAL EXPERIENCE**

| <b>Academic Year</b> | <b>Course Title</b>                       | <b>Academic Year</b> | <b>Course Title</b>                           |
|----------------------|---|----------------------|---|
| 2009,2013            | Computer Graphics.                        | 2008,2015-2017       | Operating Systems.                            |
| 2015-2017            | Distributed Systems.                      | 2010                 | Algorithms.                                   |
| 2007-2011            | Digital Image Processing.                 | 2007-2010,2019       | Digital Logic Design.                         |
| 2007-2011            | Neural Networks.                          | 2007                 | Engineering Programing and Analysis           |
| 2011-2015            | Programming object oriented with JAVA.    | 2014                 | System Analysis and Design.                   |
| 2005-2018            | Introduction to programming using C++.    | 2017                 | Data Structure and Algorithms.                |
| 2012                 | Object Oriented System Analysis & Design. | 2015-2016            | Data Warehousing.                             |
| 2008-2010            | Computer Vision.                          | 2008-2010            | Pattern Recognition.                          |
| 2012                 | Human Computer Interaction.               | 2015,2019            | Cloud Computing.                              |
| 2012,2013            | Managing Information Technology.          | 2012,2016-2017,2019  | Data Telecommunications & Computer Networking |
| 2013                 | Web Development Technologies.             | 2012,2019            | Databases Management                          |
| 2019                 | Microprocessor and Microcontroller        | 2019                 | Engineering Analysis                          |
| 2019                 | Digital Signal Processing                 |                      |   |

**PUBLICATIONS****1. Books**

None

**2. Book Chapters**

Real-time Crack Detection using ROV

**3. Journal Articles**

- 2019 Study on The Impact of Artificial Intelligence on Government E-service in Dubai
- 2018 De-blurring real time traffic's scene images using adaptive learning model, 2018
- 2017 Robust Segmentation of Deform Objects Using Morphological Scale Space,2017
- 2015 3D Model Based on Stereo Images Using Adaptive Feature-Based Matching, Developments of E-Systems Engineering, 2015
- 2011 Multi-channel Combined Local Global optical flow approach using photometric invariants,2011
- 2010 Quantization Table Estimation in JPEG Images,2010
- 2010 Retrieval of Bitmap Compression History", 2010
- 2010 An Efficient Parallel Rendering on GPU", 2010
- 2010 Classification of Cardiac Arrhythmia Based on Hybrid System",
- 2010 Adaptive Neuro-Fuzzy Inference System for Classification of ECG Signals,2010
- 2001 Automatic Recognition Of Typewritten Arabic Characters Using Zernike Moments As A Feature Extractor,2001
- 2012 Using GPU-Accelerated Genetic Algorithm for Non-Linear Motion Deblurring in a Single Image, 2012
- 2012 Linear Motion Deblurring from Single Images using Genetic Algorithms", 2012
- 2010 A Study on Artificial Intelligent Techniques of Myocardial SPECT perfusion Images, 2010
- 2009 Medical Image Registration Techniques, 2009.
- 2009 Robustic Arabic Optical Braille Recognition System",2009.
- 2009 Sign Language Recognition Based on a Combination between Neural Networks and Hidden Markov Models", 2009.
- 2008 Medical Image Registration Using Mutual Information Similarity Measure". 2008
- 2003 Morphological Scale-Space Decomposition for Segmenting the Ventricular Structure in Cardiac MR Images". 2003
- 2003 Segmenting the Endocardial Border of the Left Ventricle in Cardiac Magnetic Resonance Images, 2003

#### 4. Conferences

- 2021
- 2021 Deep learning using visual attention model in medical imaging-COVID-19 cases
- 2019 The Impact of Artificial Intelligence on Government E-service in Dubai
- 2018 Big Data Mining Techniques for CPA firms.
- 2016 Efficiency of WhatsApp as a means of Disseminating Educational information.
- 2014 Using Scale-Space Model in Media Object Tracking System",
- 2010 Real-time Ray tracing on GPU, 2010.
- 2006 Developing of Automated Volumetric Segmentation Algorithms for Brain Tissues, 2006.
- 2004 Hybrid Approach for Segmenting Human Cardiac Contours from Spatial MR Images". 2004.

## PROFESSIONAL AND ACADEMIC ACTIVITIES

### 1. Professional Training

- Data Science, Canadian university in Dubai, April, 2018
- 3rd Annual symposium on Innovation and Entrepreneurship Education, American university of Sharjah and Stanford University.
- UAE Innovation Award
- Academic Program Commissioner.
- Quality Assurance and Quality Enhancement in Higher Education Institutions.
- Practical Site Visit.
- Program Evaluation Report.
- Introduction to Game Programming (organizer)
- Aligning Programs to the QF Emirates National Qualification Authority 2012-2013
- IT Essentials CISCO Instructor certificate.
- Business Planning, DAAD Academy.
- Certified Program DAAD Alumni Academy in the following:

- Communication in Teams.
- Basics of Management and Leadership.
- Time Management and Planning
- Strategic Management.
- Conflict Management and Negotiation
- Finance for Non-Financials.
- Enterprise Resource Planning (ERP) SAP TERP.
- Introduction to CMMI v1.2 SEI.
- Intermediate CMMI.
- Foundation Certificate in Software Testing (ISTQB)
- Project Management (Certified AmedEast Program )
- Quality Education Standards.
- International Proposal writing (British Council)

## 2. Workshops

- Program Organizing Committee Member, Computer Science, Machine Learning and Big Data Analytics Conference, Program Committee.
- Member of ICPRAI 2018 (International Conference on Pattern Recognition and Artificial Intelligence), Concordia University, Montréal, Canada.

## 3. Master Theses Supervision

- Dr. Hassan Ramadan Faculty of Computer and Information Sciences Ainshams University, Cairo, Egypt
- Mrs. Salsabil Amin Faculty of Computer and Information Sciences Ainshams University, Cairo, Egypt
- Mr. Mahmoud Zidan Faculty of Computer and Information Sciences Ainshams University, Cairo, Egypt
- Mrs. Sarah Al Sharkawy Faculty of Computer and Information Sciences Ainshams University, Cairo, Egypt
- Dr. Shaimaa Rafaie Mubark city for scientific research, Alexandria, Egypt
- Mrs. Nermeen Al kashef Faculty of Science, Alexandria University, Alexandria, Egypt

## 4. Doctorate Theses Supervision

None

## MEMBERSHIP OF PERIODICALS AND SCIENTIFIC JOURNALS

### IEEE Membership

## AWARDS

- 2021 ICPM
- 2019 IEEE students Day
- 2016-2018 Certificate of Appreciation: Judge Committee Member
- 2018 Certificate of Excellence (innovation Expo)
- 2017 Best Collegiality
- 2017 Letter of appreciation