**C U R R I C U L U M V I T A E**

# Personal Information

|  |  |
| --- | --- |
| Full Name: | Associate Prof. Dr. Emad I Abdual Kareem |
| Address: | Iraq, Baghdad |
| Mobile Phone: | 07714259373 |
| Email: mmimad72@yagoo.com |
|  |
| Date of Birth:Marital Status:**Education** | 21/7/1972 (46)Married |
| 1990 to 1994 | **B.Sc.** In Computer Science, Baghdad University, Collage of Science, Computer Dept. Baghdad, Iraq. |
| 1998 to 2001 | **M.Sc.** In Computer Science, Iraqi Commission for Computers and Informatics, Informatics Institute for postgraduate studies Baghdad, Iraq. |
| 2007 to 2012 | **Ph.D.** in school of computer science, USM University, Penang, Malaysia. |

**Employment History**

**1994 to 2001** Computer science Dept., Al-Mustansiriyah University, Baghdad, Iraq.

**Teacher assistant,**

**Responsibilities:** Instructor of undergraduate computer students in programming languages.

**2001 to 2007** Computer science Dept., Al-Mustansiriyah University, Baghdad, Iraq.

**Lecturer,**

**Responsibilities**: Instructor of undergraduate computer students in Artificial Intelligent, Computer technology and Data structure.

**2007 to 2012** school of computer science, Universiti Sains Malaysia USM, Penang, Malaysia.

**Teacher assistant** under fellowship scheme. **Responsibilities**: Instructor of undergraduate computer students in Design & Analysis of Algorithms, computer graph, Microprocessor.

**2012 until 2016** Computer science Dept., Al-Mustansiriyah University, Baghdad, Iraq.

#### Lecturer,

**Responsibilities**: Instructor of undergraduate computer students in Data structure and Image processing. In addition, for postgraduate computer students in Digital Multimedia, Data Mining and Advance Artificial Intelligent, as well as supervised many postgraduate computer students.

**2016 until now** Computer science Dept., Al-Mustansiriyah University, Baghdad, Iraq.

 **Responsibilities:** Head of computer science Department.

# Papers

### Published

|  |  |  |  |
| --- | --- | --- | --- |
|  | [TITLE](https://scholar.google.com/citations?hl=en&user=yYuhH0EAAAAJ&view_op=list_works&sortby=title) | [CITED BY](https://scholar.google.com/citations?hl=en&user=yYuhH0EAAAAJ&view_op=list_works) | YEAR |
|  | Traffic Light Controller Module Based on Particle Swarm Optimization (PSO)AIM Emad Issa Abdul KareemAmerican Journal of Artificial Intelligence 2 (1), 7-15 |  | 2018 |
|  | Password Authentication Based On Modify Bidirectional Associative Memory (MBAM)RH Hasan, NAA Jabr, EIA KareemInternational Journal of Recent Trends in Engineering & Research (IJRTER) 2 … |  | 2016 |
|  | Novel Hetero-Associative Memory: A Modified Bidirectional Associative MemoryNAA Jabr, EIA KareemIJERAT 2 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=11512060016518828493) | 2016 |
|  | Modify Bidirectional Associative Memory (MBAM)NAA Jabr, EIA KareemInternational Journal of Modern Trends in Engineering and Research (IJMTER … | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=5623711870910613214) | 2015 |
|  | An Image Processing Oriented Optical Mark Reader Based on Modify Multi-Connect Architecture MMCARH Hasan, EIA KareemInternational Journal of Modern Trends in Engineering and Research (IJMTER … | [3](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=8324148722258700680) | 2015 |
|  | Intelligent traffic light controller based on MCA associative memoryEIA Kareem, SH Abbas, SM SalmanScience Journal of Circuits, Systems and Signal Processing, 1...15 |  | 2014 |
|  | MODIFY MULTI-CONNECT ARCHITECTURE (MMCA) ASSOCIATIVE MEMORYRH Hasan, EIA KareemIntegrated Journal of Engineering Research and Technology 2 (4), 2348 – 6821 |  | 2014 |
|  | A Novel Technique for Intelligent Traffic Light Controller Using a Modified Associative MemoryEIA KareemConference of collage of Education |  | 2013 |
|  | Multi-Connect Architecture (MCA) associative memory: A modified hopfield neural networkEIA Kareem, WAHA Alsalihy, A JantanIntelligent Automation & Soft Computing 18 (3), 279-296 | [4](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=10957491106773998129) | 2012 |
|  | An intelligent traffic light monitor system using an adaptive associative memoryEIA Kareem, A JantanIJIPM: International Journal of Information Processing and Management 2 (2 … | [32](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=10201661804740279410) | 2011 |
|  | MCA: A Developed Associative Memory Using Multi-Connect ArchitectureEIA Kareem, A JantanInternational Journal of Intelligent Information Processing 2 (1), 49-62 | [5](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=8165382095198792595) | 2011 |
|  | Intelligent Traffic Light Video Monitoring Approach for Vehicles Using Multi-Connect Architecture Associative MemoryEIA Kareem, A Jantanproceeding, Symposium of fellowship, 14-15 |  | 2009 |
|  | An approach for monitoring pedestrian by using multi-connect architected MCA associative memory.EIA Kareem, A JantanJDCTA 3 (2), 75-82 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=1249784789042851322) | 2009 |
|  | Improving Array Search algorithm Using Associative Memory Neural NetworkEIA Kareem, A JantanIJCSNS International Journal of Computer Science and Network Security 8 (5 … |  | 2008 |
|  | Gray Image Recognition Using Hopfield Neural Network With Multi-Bitplane and Multi-Connect ArchitectureKN Mutter, IIA Kaream, HA MoussaComputer Graphics, Imaging and Visualisation, 2006 International Conference … | [6](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=8356742288314924480) | 2006 |
|  | Detection Document for Authentication by Using Neural Network TechniqueEIA Kareem, R MahdyScientific Journal in Al-Anbar University |  | 2004 |
|  | Alternative hopfield neural network with multi-connect architectureE KareamJournal of College of Education, Computer Department, Al-mustansiryah … | [4](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=11364493988695876658) | 2004 |
|  | Hopfield Neural Network Using Genetic AlgorithmEIA KareamHigh studies institute for computer and information |  |  |

# Professional Memberships

* + IEEE Transaction on neural network and Learning System (Impact Factor 4.37) as a reviewer.
	+ Journal of Intelligent and Fuzzy Systems (Impact Factor 0.936) as a reviewer.
	+ Iraqi Journal of Information Technology as a reviewer.
	+ Iraqi’s Computer Society (ICS), Iraq.

**Languages Spoken**

**Interests**

Arabic

English (Conversational)

Listening to Classical and New Age music, Reading and Traveling.