



## CURRICULUM VITAE

**Full name: Nagham Azmi Al-Madi**

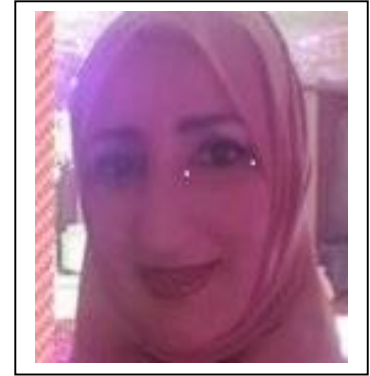
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### 1. Personal Data

Date of Birth: 23/04/1969

Nationality: Jordanian

### 2. Education

- Ph.D. (Computer Science/ Artificial Intelligence) 2009, Universiti Sains Malaysia, Penang, Malaysia.
- B.Sc. (**Computer Science**) 1991, United Arab Emirates University, AL-Ain, United Arab Emirates.



### 3. Ph.D. Dissertation

“A HUMAN COMMUNITY-BASED GENETIC ALGORITHM MODEL (HCBGA)”,  
Universiti Sains Malaysia, Penang, Malaysia.

### 4. Employment

#### Academic Positions

- Assistant Professor, Artificial Intelligence Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2019 – Present.
- Assistant Professor, Software Engineering Department, AL-Zaytoonah University of Jordan, Amman, Jordan, 2018– 2019.
- Assistant Professor, Computer Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan,
- 2010 – 2018.
- Graduate Assistant, Computer Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan, 2002-2005.
- Instructor, Computer Science Department, AL-Zaytoonah University of Jordan, Amman, Jordan, 1993-2002.

### 5. Research Interests: Genetic Algorithms, Machine Learning, Network.

### 6. Teaching Experience

- *Undergraduate Courses*

Artificial Intelligence, Python, Image Processing, Computer Architecture and Organization, Requirements Specification, Data Structure using Java, HTML, Adobe Premiere, Flash, Cinema 4D, Logic design, Human Computer Interaction, Spectrum Color.

### 7. Supervision of Graduate Research

- 1- Hanady Abd Al-razak Al-shawabkeh, “Enhancing the Hybridization Moth Flam Optimization Algorithm to Solving the Travelling Salesman Problem”, 2020.
- 2- Mohammed Abdul Jawad, “An Intelligent Road Traffic Management System Based on a Dynamic Routing Technique and Human Community Genetic Algorithm (IRTMS)”, 2017.



## 8. Publications

- Shehab, M., Alshawabkah, H., Abualigah, L. et al. Enhanced a hybrid moth-flame optimization algorithm using new selection schemes. *Engineering with Computers* (2020). <https://doi.org/10.1007/s00366-020-00971-7>
- Hnaif, A. A., **AL-Madi, N. A.**, A. ,Mohammad Amal Ahmad; *An Intelligent Road Traffic Management System Based on a Human Community Genetic Algorithm*. 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), April 2019, AL-Zaytoonah Univ., Amman, Jordan.
- **AL-Madi, N. A.**, Abu Maria, K., Abu Maria, E. and AL-Madi, M. A.; *A Structured-Population Human Community Based Genetic Algorithm (HCBGA) in a Comparison with Both the Standard Genetic Algorithm (SGA) and the Cellular Genetic Algorithm (CGA)*, ICIC Express Letters An International Journal of Research and Surveys, Vol. 12, no. 12, 2018, pages 1183 - 1303.
- **AL-Madi, N.A.**, El-Obaid, A. and AL-Madi, M. A.; *Enhanced Structured Population Approach for Genetic Algorithm*, Information Technology Journal, Information Technology Journal vol.16 no.2, 2017, pages 79-84.
- Abu Mari, K. A., **AL-Madi N. A.**, Abu Maria, E. A.; *Using Cognitive Agent in Manufacturing Systems*. Journal of Theoretical and Applied Information Technology. Vol. 95. no.10. 2017, pages 2306-2314.
- El-Obaid, A., **AL-Madi, N.A.**; *Y-Hamiltonian Layers Broadcast Algorithm*. International Journal of Network Security & Its Application. Vol. 8. no.3. 2016, pages 31-46.
- **AL-Madi, N.A.**; *De Jong's Sphere Model Test For A Human Community Based Genetic Algorithm Model (HCBGA)*. International Journal of Advanced Computer Science and Applications, Vol. 5. no.1. 2014, pages 166.
- **AL-Madi, N.A.**, Khader, A.T.; *A genetic algorithm that simulates social behaviour*. Int. J. Internet Technology and Secured Transactions, 1 no. 3/4, 2009, pages 228-235.
- **AL-Madi, N.A.**, Khader, A.T.; *The traveling salesman problem as a benchmark test for a social-based genetic algorithm*. Journal of Computer Science, Vol. 4. no.10. 2008, pages 871-876.



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Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

- **AL-Madi, N.A.**, Khader, A.T.; *De Jong's sphere model test for a social-based genetic algorithm (HCBGA)*. IJCSNS International Journal of Computer Science and Network Security, Vol. 8. no. 3., 2008, pp.179-185.
- Yahya, A.A., **AL-Madi, N.A.**, AL-Madi, A.K.; *Algorithm for finding some power series*. Jour. Inst. Maths. & Computer Sciences, (Comp. Sc. Ser.), Vol. 13. no.1, 2002, pages 87-91.
- **AL-Madi, N.A.**; *On Applying Genetic Algorithm to the Traveling Salesman Problem*. International conference of Advances in Intelligent Systems and Computing. Vol. 533, 2016.
- **AL-Madi, N.A.**, Khader, A.T.; *A social-based model for genetic algorithms*. Proceedings of the third International Conference on Information Technology (ICIT), May 9-11 2007, AL-Zaytoonah Univ., Amman, Jordan.