Faculty C.V.

1. **Name and date of birth**
   Marwa Sharawi   25/06/1983

2. **Academic Rank**
   Visiting Assistant Professor, Collage of Engineering and Applied Sciences (CEAS), American University of Kuwait

3. **Degrees**
   2015 Ph.D. Information Technology, Cairo University
   2008 M.Sc. Information Technology, Cairo University
   2005 B.Sc. Information Technology, Cairo University

4. **Service at this Institution**
   March 2021 - Current: Visiting Assistant Professor, CEAS, AUK
   Jan. 2018 - Feb. 2021: Adjunct Assistant Professor, AUK

5. **Professional Experience**
   March 2021 - Current Visiting Assistant Professor - College of Engineering and Applied Sciences, American University of Kuwait (AUK), Kuwait
   Jan. 2018 - Feb. 2021 Adjunct Assistant Professor -College of Engineering and Applied Sciences, American University of Kuwait (AUK), Kuwait
   Sept. 2016 - Aug. 2017 Program Coordinator (PC) - Faculty of Information Technology and Computing, Arab Open University (AOU), Egypt Branch, Egypt
   Jan. 2016 - Aug. 2017 Assistant Professor - Faculty of Information Technology and Computing, Arab Open University (AOU), Egypt Branch, Egypt
   June 2011 Jan. 2016 Lecturer - Faculty of Information Technology and Computing, Arab Open University (AOU), Egypt Branch, Egypt
   Sept. 2010 Feb. 2011 Adjunct Lecturer Assistant - British University in Egypt (BUE), Computer Science and Informatics Faculty, Egypt
   May 2010 Aug. 2010 Part-Time Lecturer - Foundation Studies IT (IFP), Middlesex University Dubai branch (MDX), Dubai, UAE
   Jan. 2010 May 2010 Adjunct Lecturer - University of Sharjah (UOS), Computer Science Department, Sharjah, UAE
   Sept. 2008 June 2009 Lecturer Assistant - British University in Egypt (BUE), Computer Science and Informatics Faculty, Cairo, Egypt
   May 2008 Sep. 2008 Instructor (Certification for IT for Insurance Professionals) - British Computer Society (BCS) and Charted Insurance Institute (CII), Cairo, Egypt
   Sept. 2006 Sep. 2008 Teacher Assistant - British University in Egypt (BUE), Computer Science and Informatics Faculty, Cairo, Egypt
   Sept. 2005 Sep. 2006 Teacher Assistant - Modern Sciences and Art University (MSA), Computer Science Faculty, Cairo, Egypt

6. **Publications**

a) Refereed Journals.

Mohamed Abouhawwash, Mohamed Abdel-Basset, Reda Mohamed, Marwa Sharawi; Laila Abdel-Fatah; Karam Sallam, "A comparative study of optimization algorithms for parameter estimation of PV solar cells and modules: Analysis and case studies". Energy Reports, Elsevier, 2022 **(accepted)**

Marwa Sharawi, Hossam M. Zawbaa(2019), "Impact of Levy Flight on Modern Meta-heuristic Optimizers". Applied Soft Computing, Elsevier, vol.75, pp. 775789, 2019.

b) Conferences

Marwa Sharawi , Mohammed El-Abd, "A Cooperative Co-evolutionary LSHADE Algorithm for Large-Scale Global Optimization" IEEE Symposium Series on Computational Intelligence (SSCI),pp. 777-784, Hawaii, USA, November, 2017.

Pola Fahim, Osama Abd Elnaby, Marwa Sharawi,"Last Stand: Virtual Reality Game" Proceedings of the Ninth Annual Undergraduate Research Conference on Applied Computing(URC 2017),Zayed University,Dubai, April 2017.

Ahmed Yasser, Feras Nidal, Marwa Sharawi,"Galactic Maneuvers: IOS and Android Mobile Game" Proceedings of the Ninth Annual Undergraduate Research Conference on Applied Computing(URC 2017),Zayed University,Dubai, April 2017.

Marwa Sharawi, E. Emary "Impact of Grey Wolf Optimization on WSN Cluster Formation and Lifetime Expansion" 2017 International Conference on Advanced Computational Intelligence (ICACI2017), pp.157-162, Doha, Qatar, 4-6 February, 2017.

Marwa Sharawi, Hossam M.Zawbaa, E. Emary "Feature Selection Approach based on Whale Optimization Algorithm" 2017 International Conference on Advanced Computational Intelligence (ICACI2017), pp. 163-168, Doha, Qatar, 4-6 February, 2017.

Hossam M.Zawbaa, E. Emary, B.Parv, Marwa Sharawi , "Feature Selection Approach based on Moth-Flame Optimization Algorithm" Bi-annual IEEE World Congress on Computational Intelligence (WCCI),pp. 4612-4617, Vancouver, Canada, July, 2016.

c) Books

Marwa Sharawi, Mohammadreza Gholami, and Mohammed El-Abd "Brain Storm Optimization Algorithm." Handbook of AI-based Metaheuristics, edited by Anand J. Kulkarni, Patrick Siarry, CRC Press, 2021, pp. 1-18.

Marwa Sharawi, Eid Emary. "Clustering Optimization for WSN Based on Nature- Inspired Algorithms." Nature-Inspired Computation in Engineering. Springer International Publishing, 2016. 111-132.

9. **Membership in Professional Societies**

Certified Professional Trainer
Institute of Leadership and Management institute of leadership and management (ilm) UK.

10. **Courses taught**

a) Academic Courses

Computer Science and Information Systems
- ConceptsofProgramming
- FundamentalsofComputerScience
- Object Oriented Programming
- Computing Essentials
- Software Engineering
- Software Project Management
- Operating Systems
- Digital Logic Design
- File Structure
- Analysis and Design of Algorithms
- Systems Analysis and Design
- Computer Architecture and Design
- Data Structures and Algorithms
- Introduction to Programming
- Web Technologies
- Ethics, Legal and Professional Issue in Computer Science

Information and Communication Technology
- Data Communication and Network Principles
- Communications and Information Technologies
- Wireless Networks
- Computer Security
- Network Security
- E-Commerce Security
- Introduction to Soft Computing o Natural and Artificial Intelligence
- Computational Intelligence
- Advanced Neural Networks
- Evolutionary Computation

b) Intensive professional short courses

- Instructor (Certification for IT for Insurance Professionals)-British Computer Society (BCS) and Charted Insurance Institute (CII), Cairo, Egypt

- Workshop in Program and Module Design, Levels, and Intended Learning Outcomes (ILOs), Cairo, Egypt

c) <u>Community Service courses</u>

- Information Skills Training and Educational Development workshop series

11. **Other Duties**

a) Department
- General Course Coordinator (GCC) Sept. 2012 Aug. 2017
- Branch Course Coordinator (BCC) June. 2011 Aug. 2017
- Academic Advisor Sept. 2015 - Aug. 2017

b) College level
- Program Coordinator(PC) Sep. 2016 - Aug. 2017
- Head of Accreditation Committee for Graphics Design and Multimedia Technology Sept. 2017 - Aug. 2017
- Courses Equivalences Committee, Sept. 2013 - Aug. 2017
- Research and Development Committee, Sept. 2015 - Aug. 2017
- Re-Validation Committee- Open University, UK Sept. 2015 - Aug. 2017

c) Institution level
- AOU Egypt Branch Representative Sept. 2015 - Aug. 2017
  AOU Egypt Branch Examination Committee, Sept. 2015 - Aug. 2017
- University Disciplinary Board, Sept. 2015 - Aug. 2017

12. **Participation in Specific Programs**

- Workshop on "Annotations for Student Engagement & Assessment: Part II", AUK, May 2022.
- Workshop on "Annotations for Student Engagement & Assessment: Part I", AUK, May 2022.
- Workshop on "CDIO and Producing the Next Generation of Engineers", AUK, April 2022.
- Workshop on "Incorporating Transferable Hard Skills in our Assessments", AUK, April 2022.
- Workshop on "Down with Boring Coffee: It's time to bring back fun", AUK, January 2022.
- Workshop on "Taking control: Shaping the (old) new workplace.", AUK, January 2022.