Abedelkader Helwan
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Objective   Seeking an excellent and reputed university that offers a PHD in biomedical engineering or computer engineering in order to be allowed to implement my academic and Practical knowledge with dedication, team spirit and cooperation to discover and learn new things regarding my major. Looking forward to enrich my knowledge to contribute my best to the university and to keep up with my researches under the supervision with good and qualified professors.

Technical Experience

1 Year   **Hospital of Dar Al Shifae (HDC)**   **Tripoli, Lebanon**
                          Training

- Performed repair and preventive maintenance.
- Kept records as soft and hard copies.
- Possessed experience in troubleshooting at component level
- Possessed capability in self learning
- Provided full service and preventive maintenance to medical devices and machinery
- Performed preventive maintenance, and corrective actions of medicine laboratory equipments
- Oversaw new installation projects

Memberships

- Member in Applied Artificial Intelligence Research Centre (http://staff.neu.edu.tr/~rahib/aairc/index.htm)
- Member, Bioinformatics Organization Inc., Hudson, Massachusetts, United States. (2015-present).
- Former Member, Centre of Innovation for Artificial Intelligence (CiAi), British University of Nicosia, Girne, via-Mersin-10, Turkey. (2014-2015).
- Former Member, Intelligent Systems Research Centre (ISRC), Faculty of Engineering, Near East University, Nicosia, via Mersin-10, Turkey. (2013-2014).
- Member, International Association of Engineers (IAENG) , Number: 151636
- Member, Order of Engineers, (lebanon). (2015-present)- Reg. Number: G13148.

Professional experience

- Part time lecturer at Near East University
  - Courses: Introduction to Biomedical Engineering, Biomechanics

- Co-supervisor of undergraduate students projects at Al Manar University of Tripoli, Lebanon
  - Co-supervising projects: 1. An intelligent System for the Prediction of Asthma,
                             2. Automatic segmented chest radiograph classification using neural network

Publications:

Books
- Abdulkader Helwan , Rahib Abiyev. "Intelligent Breast Cancer Identification System", Lambert academic publishing, 2015, ISSN: 978-3-659-68976-5.

- Abdulkader Helwan, David tantua, Emmanuel adeola, "A BPNN for the identification of Rheumatoid arthritis", December 2015, LAP Lambert Academic Publishing, Taschenbuch, ISBN 3659811599, EAN 9783659811593.

Articles

- Abdulkader Helwan, David tantua, Emmanuel adeola . "IKRAI: Intelligent Knee Rheumatoid Arthritis Identification", International Journal of Intelligent Systems and Applications (IJISA), 2015, DOI: 10.5815/ijisa.2016.01.03.

- Abdulkader Helwan, Rahib Abiyev, "ISIBC: An Intelligent System for Identification of Breast Cancer", in the Proceeding of the Third International Conference on Advances on Biomedical Engineering (ICABME15), IEEE conference, Lebanon, accepted.

- Oyebade K. Oyedotun, Ebenezer O. Olaniyi, Abdulkader Helwan, Adnan Khashman, " hybrid Auto Encoder Network for Iris Nevus Diagnosis", in the Proceeding of the Third International Conference on Advances on Biomedical Engineering (ICABME15), IEEE conference, Lebanon, accepted.

- Oyebade K. Oyedotun, Ebenezer O. Olaniyi, Abdulkader Helwan, Adnan Khashman, " Neural Network for the Diagnosis of Heart Disease", in the Proceeding of the Third International Conference on Advances on Biomedical Engineering (ICABME15), IEEE conference, Lebanon, accepted.

- Oyedotun O.K., Olaniyi E.O.; Helwan A. & Khashman A., "Decision Support Models for Iris Nevus Diagnosis Considering Potential Malignancy", International Journal of Science and Engineering Research, 2014

- Abdulkader Helwan."Heart Attack Prediction System based neural arbitration", Proceedings of the International Science and Technology Conference, Doha, Qatar, December 8-16, 2014.

- Abdulkader Helwan. "ITDS: Iris Tumor Detection System Using Image Processing Techniques". International Journal of Science and Engineering Research, 2014.
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  Abdulkader Helwan, Nafez Haddad, Ahmed Said Ahmed Ashit. "A New Approach for the Prediction of Obstructive Sleep Apnea Using a Designed Device", International Journal of Advancements in Research & Technology, Volume 3, Issue 11, November-2014 ISSN 2278-7763.

Current working on Projects:

- Intelligent Breast Cancer Identification System using fuzzy neural system
- Forward human face modeling using machine learning
- Intelligent Iris Cancer identification System Based Neural Network and Image Processing
- An intelligent System for the Prediction of Asthma

Education

-2008-2013 **Engineering Diploma in Biomedical Engineering (Bachelor of Engineering)**

AL-Manar University of Tripoli (MUT), Lebanon

My Final Year Project- Detection of Sleep Apnea by Snoring Analysis with a design of a new designed circuit that measures the chest voltages. Protocol that sets the voltages range of each sleep level including sleep apnea.

Master of Science in Biomedical Engineering   **2013-2015**
Near East University, Turkey
 GPA: 3.71/4

Skills & Capabilities

- Ability to conduct professional presentations.
- Ability to self-educate and pick fast on technical knowledge.
- Work well under pressure in meeting deadlines and achieving goals.
- Building and maintaining positive working relationship with key decisions makers.
- Excellent organizational skills & work well as part of a team or independently.
- Budget development and planning.

- Enthusiastic, energetic, productive, highly motivated & confident to take initiative.
- Strategic, Analytical and Creative Thinking Skills

Technology and Programing Skills

- Microsoft Office, SQL
- Matlab(Expert in Neural networks and image processing techniques)
- Proton plus
- Visual Studio
- Picbasic, Assembly
- Pspice, Protues (circuit simulators)
- Solid Works
- Latex
- Cisco 1&2

Languages   Fluent written and spoken English (IELTS) and Arabic.

Hobbies   Hunting, Reading and Researching

References   Upon Request.

Personal Data   Date of Birth: July 1st, 1990
                     Marital Status: Single
                     Nationality: Lebanese
                              Current address: Nicosia, North Cyprus