

AHMAD HAMDI ABO ABSA



PERSONAL INFORMATION

Full Name: Ahmed Hamdi Abo absa

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Nationality: Palestinian

Religion: Muslim

Birth Date: 01/04/1983

Martial State: Married

EDUCATION

PhD. Signal Processing Engineering, 2013 – 2018

King Fahad University of Petroleum and Minerals (KFUPM), Saudi Arabia.

Dissertation title: Self Learning Techniques for Arabic Speech Segmentation and Recognition.

M.S. Communication Engineering, 2010 - 2012

Islamic University, Palestine

Thesis title: LTE Antenna's Parameter Enhancement for Mobile Communication Applications.

M.S. Computer Science, 2005 - 2007

University of Northern Virginia, United States of America

Thesis title: E-Learning Timetable Generator Using Genetic Algorithms

B.S. Communication and Control Engineering, 2000 - 2005

Islamic University, Palestine.

RESEARCHES

1. A. H. Abo, M. Deriche, M. Elshafie, Y. Elhadj, and B. Juang, "A Hybrid Unsupervised Segmentation Algorithm for Arabic Speech Using Feature Fusion and a Genetic Algorithm," IEEE Access, vol. 6, no. 1, pp. 43157–43169, 2018.
2. Ahmed Abo absa, M. Deriche, "A Bilingual Emotion Recognition System Using Deep Learning Neural Networks ", 15th International Multi-Conference on Systems, Signals and Devices, 2018.
3. Ahmed Abo absa, M. Deriche, "On the Performance of Ensemble-Based Classifiers for Arabic Speech Recognition", ICETAS 2017.
4. M. Deriche, Ahmed Abo absa, "A Two Stage Hierarchical Bilingual Emotion Recognition System using Hidden Markov Models and Neural Networks", Arabian Journal for Science and Engineering, 2017

5. Ahmed Abo absa, M. Deriche, "A Two Stage Hierarchical Multilingual Emotion Recognition System using Hidden Markov Models and Neural Networks", 9th-IEEGCC-2017.
6. A. Hamdi, M. Ouda, and A. A. Hudrouss, "Analysis and Design of E - shape Meander Line Antenna for LTE Mobile Communications," J. Eng. Res. Technol., vol. 2, no. 1, pp. 75–79, 2015.
7. Ahmed Abo absa, Mohamed Elhanjouri, "PID Parameters Optimization Using Particle Swarm Optimization Technique for Electrohydraulic Servo Control System ", International Engineering Conference4 (2012).
8. Ahmed Abo absa, Sana Elsayegh, "E-learning Timetable Generator using Genetic Algorithms", Applied study on the University of Palestine (2007)

WORK EXPERIENCE

1/11/2018 –Head of Software Engineering Department - until now

Courses Taught

- Computer Architecture
- Discrete Mathematics
- Image Processing
- Digital Media
- Mathematics for IT
- Operations Research

2013 –2018

Teaching assistance in KFUPM

Courses Taught

- Signals and Systems
- Digital Signal Processing
- Electrical Engineering Design
- Circuit I
- Circuit II
- Electronics I

2008 –2013

Lecturer in UP

Courses Taught

- Introduction to Programming
- Systems Analysis & Design
- E-commerce
- Database Management
- Data communications and Networks
- Image Processing
- Management Information Systems
- Modern communication
- Mathematics for IT
- Computer Skills
- Operations Research

TRAINER COURSES

A. English Courses:

1. **PLC (40 hours)**
ICMD, Saudi Arabia.
2. **Process Control and Instrumentation (40 hours)**
ETC, Saudi Arabi.
3. **DCS (40 hours)**
ETC, Saudi Arabia.
4. **Digital Electronics (40 hours)**
Electrical Company, Saudi Arabia.
5. **Wireless and Data Communication**
ETC, Saudi Arabia.

B. Arabic Courses:

دورة الالكترونيات
شركة انتجريتد

مبادئ الكهرباء
شركة انتجريتد

دورة التمديدات الكهربائية
شركة انتجريتد

الاتصالات الاسلكية
شركة انتجريتد

ACADEMIC KNOWLEDGE

- **Programming Languages:** MATLAB, C++, Visual C++, Java, Visual Basic, Assembly and Microcontroller Programming.
- **Operating Systems:** Win 7, Win 2008 server.
- **Software Packages & Tools:** Oracle, Orcad, MS Office, Work pinch, Circuit Maker, Dip Trace, Express PCB, Dreamweaver, Macromedia Flash.
- **Hardware Background:** Printed Circuits Board (PCB), Logical Circuit, Control circuits and Projects.

REFERENCES

Prof. Mohammed Deriche

Electrical Engineering Department
KFUPM

Email: mderiche@kfupm.edu.sa

Prof. Mostafa Elshafei

Computer Engineering Department
KFUPM

Email: melshafei@kfupm.edu.sa

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