

RESUME

Dr. Abdel Karim Jabali,
PhD Associate Professor,
MIEE,MBIEE,MCIEE



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SYNOPSIS

An Associate professor at the Department of **Health information technology** of University of Dammam, (Formerly known as King Faisal University-Dammam) with a Ph.D. in Engineering Sciences(System Identification and Computer Control) from National State University, Ukraine, 1994, Diploma, MSc. Mechatronics with honors .Research interests includes Modeling, simulation, and identification and biomedical Systems.

EDUCATION:

- PhD in Engineering Sciences (1994), "Identification of automatic discrete/continual systems", Ukraine.
- Diploma in Mechatronics (1985-1991), "Microprocessor Control" (**with honors**), Ukraine.
- GSC (Tawjihi) - scientific branch (91.2%)

POSITIONS

- **Associate Professor, College of Applied Medical Sciences CAMS, Health Information Management and Technology Department, HIMT, University of Dammam** , Dammam, KSA, August 2007-present
- Associate Professor, College of Eng, AMMAN UNIVERSITY , September, 2006-August 2007
- IT Supervisor and trainer, SAAD **Hospital**, KSA, 3/2005 – 8/2006
- Associate Professor, Computer & Communication Engineering Department, Al-Isra University Amman, Jordan- 2005

- Assistant Professor, college of Engineering, Al-Balqa Applied University Amman, Jordan 2001/2002 (part time).
- Assistant Professor, Computer & Communication Engineering Department, Al-Isra University Amman, Jordan 1995-2004.
- Teaching and Research Assistant, National State University, Ukraine, 1991-1994.

TEACHING EXPERIENCE:

- a. Undergraduate courses
 - I. **Management of Healthcare organizations**
 - II. Computer Networks, **Health information Systems**, software engineering, information systems
 - III. Graduation projects, computer fundamentals
 - IV. Computer controlled systems- Digital Control
 - V. Software applications for engineering, DSP
 - VI. Fuzzy, Neural Networks, DAQ, diabetes modeling, Software GUI , Computerized electrocardiogram /electrocardiograph (ECG) Networks, microprocessors, and webdesign
- b. Graduate Courses
 - i. Java programming, Health informatics.

TRAINING EXPERIENCE

- **TRAINER**
 - i. Computer networks
 - ii. Soft skills (communication, presentation,...)
 - iii. Computerizing teaching curriculum
 - iv. E-learning, ICDL, Troubleshooting
 - v. Hospital Information System
- **Trainee**
 - i. E-learning and high order learning skills
 - ii. QM training
 - iii. Project Management Professional (PMP)
 - vi. Training Of Trainers (TOT)
 - vii. Computerized biomedical instrumentation
 - viii. Computer drive control
 - ix. PLC
 - x. Soft skills (communication, presentation,...)
 - xi. Teaching for effective learning -20 hours 2010-12-20

Administrative Duties

- Chairman of Computer and Communication Eng Dept-Al-Isra University 1999-2001
- Member of College Council; Al-Isra University 1999-2001
- Member of curriculum committee Al-Isra University 1999-2001
- Training and placement committee Al-Isra University

- industry and academia team member Al-isra University
- international program member Al-isra University
- ABET accreditation working group for college of engineering.
- Member of many specialized committees
- Member of curriculum committee Amman University 2006-2007
- Preparatory courses coordinator –University of Dammam
- Faculty Development Program - University of Dammam
- Training and internship committee - University of Dammam
- NCAAA Department working group.
- Vice president of Jordan Eng Association –Eastern Province JEAEAST-KSA (2005-present)
- Training and scientific activities of JEAEAST-KSA (2005-present)
- Member of IET (IET) members’ board-representing middle east region (2004-2007)
- Member of IET (IET) Council (2007)
- Member of the Board Committee of IEE Branch – Jordan (2000-2005)
- Reviewer of “Medical Engineering and Physics” Journal; Elsevier Publishing.
- Reviewer of “Chemical Engineering Communications” Journal;
- Member of "WSEAS Working Group on Computer Science"
- Member of “Creativity award committee “, JEA, 2007
- Graduation projects awards committee, JEA,2002-2005
- Consultation committee of electrical engineering branch ,JEA 1997-2003
- Technology Transfer committee, JEA,1996-1998
- Scientific committee of electrical engineering branch ,JEA 1997-2003
- Higher certificates equivalency committee ,JEA,1998-2004

JIEEEEC CONFERENCE

- Member of steering committee of JIEEEEC’98
- Member of steering committee of JIEEEEC’01
- Member of steering committee of JIEEEEC’03
- Reviewer of Jordan International Conference (JIEEEEC) (1997-2004)
- WORKSHOP COMMITTEE OF JIEEEEC’03

Language skills Full command of English

SOFTWARE

- JAVA,C++,
- HTML , XML , UML
- VB.Net,
- Eclipse
- MATLAB, LabVIEW
- Designer & Webmaster of www.jeaeast.org

FUNDED PROJECTS

- | | | |
|---------------------------------------|---------|-----|
| • EHR of Eastern Province, KSA, 2010 | 53,000 | SAR |
| • Diabetes Modeling from (submitted) | 100,000 | SAR |

PUBLICATIONS:

1. A.Karim Jabali, et.al; MRI Utilization Profile: Analysis of a Teaching Hospital in Saudi Arabia; submitted for publication, AHIMA perspectives,2013.
2. **A.Karim Jabali**, Prediction of Patient's Individual Blood Glucose Levels from Home Monitored Readings of Type I Diabetics, American Journal of Biomedical Systems, Volume 5, Issue 3, 2013, Am. J. Biomed. Sci. (ISSN: 1937-9080<http://www.nwpii.com/ajbms/I-13-03.shtml>)
3. Suliman Bah ; **A. Karim Jabali** ,et.al;“Annual Survey on the Level and Extent of Usage of Electronic Health Records in Government-related Hospitals in Eastern Province, Saudi Arabia,”; *Perspectives in Health Information Management*;2011
4. **A. Karim El-Jabali**, Telehealth Networks infrastructure; First Saudi Health information symposium, Alkhobar, KSA, June 9th, 2009
5. R. Zitar and **A. Karim El-Jabali**, “Toward a General Neural Network Model for Insulin-Glucose Interaction in Diabetics II”, *Informatica - International Journal of Computing and Informatics*, **2005**.
6. **A. Karim El-Jabali**, “Neural network modeling and control of type 1 diabetes mellitus”, *Bioprocess and Biosystems Engineering*, Volume 27, Issue 2, Apr **2004**, Pages 75 - 79, Springer-Verlag, Germany. (impact factor: 1.81). 05/2005; 27(2):75-9. DOI:10.1007/s00449-004-0363-3 pp.75-9
7. **A. Karim El-Jabali**, “Development of Diabetes Mellitus Mathematical Models From Patient's Clinical Database”, *Informatica - International Journal of Computing and Informatics*, 2004.
8. R. Zitar and **A. Karim El-Jabali**, “Toward a General Neural Network Model for Insulin-Glucose Interaction in Diabetics”, *AMSE Journal Series B: Signal Processing & Pattern Recognition*,2004.
9. **A. Karim El-Jabali** and S. L. Alousi, “Identification of Two Time Series Models of Type 1 Diabetes using Patient's Clinical Database”, *Journal of Applied Sciences*, 3(4):274-279, 2003.
10. **A. Karim El-Jabali**, **A. Kilani**, and **M. Abbas**, “Dynamic Simulation of Fuzzy Controller of Glucose Concentration Based on Patient's Clinical Database”, 4th International Conference on Modelling and Simulation MS'02, Melbourne, Australia, 2002.
11. **A. Al-Nassiri** and **A. Karim El-Jabali**, “Simulation of Feedback Pressurized Water Nuclear Power Reactor”, *Journal of Applied Sciences*, 2(2):232-236, 2002.
12. **Mohammad H. F. Dado**, **Naser S. Al-Huniti**, and **A. Karim El-Jabali**, “Dynamic Simulation Model for Mixed-loop Planar Robots with flexible joint drives”, *Mechanism and Machine Theory: An International Journal*, (36)547-559, 2001.
13. **A. H. Al-Satri** and **A. Karim El-Jabali**, “Wide Range Power Regulation of Induction Heating Installations”, *Third IEEE International Conference on Systems, Signals & Devices SSD'05*, 21-24, 2005, Tunisia.
14. **A. H. Al-Satri** and **A. Karim El-Jabali**, “Improvement of Power regulation Performance in induction heating installations”, *MS Conference 2004*, 2004, France.
15. **M. Boulouh**, **A. I. Gull**, and **A. Karim El-Jabali**, “Simulation of Multiple Integrated Optimal Cascade Systems with Limitation of Coordinates”, *Proceedings of 5th Jordanian International Electrical & Electronics Engineering Conference*, Jordan, 2003.

PROFFESIONAL AFFILIATIONS

- President –JEA -KSA
- Institution of Engineering & Technology IET –U.K (IEE)
- Representative in Members Board of IEE (London)
- Member of IET (IEE)Council (London)
- Member of the Board Committee of IEE Branch – Jordan
- Jordan Engineers Association (JEA)
- Jordan Computer Society (JCS)

PERSONAL DATA

- Date of Birth: 2/12/1965
- Marital Status: Married
- Nationality: Jordanian