



Die broken, not rusty

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ADDRESS

P. O. Box 809
Amman, 11831 Jordan

LANGUAGE

Native Arabic
Fluent English

COMPUTER SKILLS

Assembly, Parallel C, Matlab
VLSI and PCB CAD/CAM
Web, Graphics, Multimedia
Productivity Software

HONORS

UAH Dean's List 1992, 1993
UM Honor List 1977, ... , 1981

PRIZE

Hisham Hijawi Prize 2001

AFFILIATIONS

International: IEEE, CIS
Regional: ACS
National: JEA

ADJUNCT

New York Institute of Technology
New Jersey Institute of Technology
University of Victoria
King Saud University
Arab Open University
Yarmouk University
Balqa University

PUBLICATIONS (50+)

Theses
Journal Articles
Conference Articles

Faisir Eldos

AMMAN - JORDAN

PROFILE

A professor of computer engineering with vast industrial and academic experience, working at Jordan University of Science and Technology (JUST) since 1996. In the industry, began as a microprocessor systems design engineer, then assumed higher responsibilities as project manager, production manager and director of engineering in computer and information technology firms. Academic career began as a lecturer at University of Alabama in Huntsville (UAH) in the USA, then as a professor, researcher and department chairman in prominent universities. I taught basic, intermediate, senior, and master level courses with focus on digital systems with hardware and software interaction, supervised many master theses and graduation projects. I also headed many committees for curricula design and program accreditation, established and chaired departments. I am meticulous, self motivated and dedicated to professional development and use of modern technologies to engage students in the learning process.

EDUCATION

1992 - 1996 Ph.D. Computer Engineering, University of Alabama in Huntsville, USA
1991 - 1992 M.S. Computer Engineering, University of Alabama in Huntsville, USA
1976 - 1981 B.S. Electronic Engineering, University of Menofia, Menof – Egypt

EXPERIENCE (ACADEMIC ADMINISTRATION)

2010 - 2014 Chairman
Department of Computer Engineering
Salman bin Abdulaziz University (KSU Spin-off), Saudi Arabia
2008 - 2010 Chairman
Department of Computer Engineering
King Saud University, Saudi Arabia
2000 - 2002 Chairman
Department of Computer Engineering
Jordan University of Science and Technology, Jordan

EXPERIENCE (TEACHING/RESEARCH)

2015 - Professor
Department of Computer Engineering
Jordan University of Science and Technology, Irbid - Jordan
2014 - 2015 Research Scholar
Department of Electrical and Computer Engineering
New Jersey Institute of Technology, New Jersey, USA
2012 - 2013 Research Associate
Faculty of Graduate Studies
University of Victoria, British Columbia, Canada
2010 - 2014 Associate Professor / Professor
Department of Computer Engineering
Salman bin Abdulaziz University (KSU Spin-off), Saudi Arabia
2008 - 2010 Associate Professor
Department of Computer Engineering
King Saud University, Saudi Arabia
1996 - 2008 Assistant Professor / Associate Professor
Department of Computer Engineering
Jordan University of Science and Technology, Irbid - Jordan

RESEARCH INTEREST

Digital Systems
Algorithmic Engines
Evolutionary Optimization

RESEARCH DOMAINS

PCB Drilling
VLSI Cell Placement
Hierarchical Indexing
Maximal Codes Allocation
Functional Memory Design

RESEARCH METHODS

Vector Quantization
Simulated Annealing
Genetic Algorithms
Gravitational Algorithms
Ant Colony Algorithms
Adaptive Neural Networks

TEACHING INTEREST

Digital Logic Design
Computer Design
Computer Architecture
High Performance Computing
Microprocessor Systems Design
Computer Interfacing
Data Communication
Operating Systems
Real Time Systems

DEPARTMENT SERVICE

Curriculum
Seminars
Laboratories
Training
Tenders
Appointments
Students Affairs
Graduation Projects
Graduate Studies
Online Presence
ABET Accreditation

FACULTY SERVICE

Scientific Day
Graduate Studies
Faculty Handbook
Graduation Projects
Quality Assurance
Self Study Report
ABET Accreditation

1993 - 1996 Lecturer
Department of Electrical and Computer Engineering
University of Alabama in Huntsville, Huntsville - Alabama, USA
1991 - 1993 Teaching Assistant / Research Assistant
Department of Electrical and Computer Engineering
University of Alabama in Huntsville, Huntsville - Alabama, USA
1981 - 1983 Instructor, Course Author and Laboratory Supervisor
Jordanian Armed Forces - Royal Corps of Signals, Amman - Jordan
Digital Logic and Communication Systems

EXPERIENCE (INDUSTRY)

1989 - 1991 Director of Engineering
Microsystems International Co., Birmingham - Alabama, USA
Office Automation Systems: Small Hospitals, Clinics and Retail Stores
1987 - 1989 Production Manager
International Systems & Electronic Development Co., Amman - Jordan
Design, Construction, Programming, Testing and Packaging of
Microprocessor Based Systems
1986 - 1987 Project Manager
International Systems & Electronic Development Co., Amman - Jordan
Reverse Engineering: Roadside Emergency Telephony
1985 - 1986 Project Manager
International Systems & Electronic Development Co., Amman - Jordan
Multiprocessor Based System As Smart Elevators Controller
1983 - 1985 Design Engineer
International Systems & Electronic Development Co., Amman - Jordan
Microprocessor Based Bilingual Solutions for Computing Platforms

SCHOLARSHIPS & FUNDS

1991 - 1996 \$90,000 UAH, Excellence Scholarship (over 5 years)
1992 - 1996 \$40,000 JUST, Government Scholarship (over 4 years)
1998 - 1999 \$8,000 JUST, Digital Elevation Model for GIS applications
2001 - 2004 \$7,000,000 EUMEDIS, Mediterranean Virtual University
2008 - 2010 \$3,750,000 KSU, Saudi Computing Grid Nucleus project
2009 - 2013 \$110,000 SAU, Evolutionary Algorithms for various problems

COUNCILS & COMMITTEES

2012 - 2014 ABET Committee, SAU
2009 - 2011 Scientific Council, SAU
2009 - 2011 Appointment Committee, KSU
2003 - 2004 University Council, JUST
2003 - 2004 e-University Committee, JUST
2001 - 2003 Health Information System Tenders, King Abdullah Hospital - JUST
2000 - 2002 Steering Committee, Computer and Information Center, JUST
2001 - 2002 Curriculum Development for the Polytechnic Institute at Balqa University
2000 - 2002 Faculty Council (Computer & Information Technology), JUST
1999 - 2000 Faculty Council (Engineering), JUST
1999 - 2000 Liaison Officer, Y2K National Task Force, Government, NITC

EXTRACURRICULAR ACTIVITIES

Program Establishment: Curriculum Design, Recruitment, Resource Management
Teaching with Technology: Multimedia Authoring Workshops for Professors, Provider
Reviewer: Journals, Conferences and Books
External Examiner: Student projects in other state universities
Computer Training Programs: Teachers and army officers