



*Die broken, not rusty*

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[www.eldos.me](http://www.eldos.me)

#### 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 Hijjawi 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

# Taisir Eldos

June 30, 1958 - 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