

RESUME

Dr. Mona F. M. Mursi

PERSONAL DATA

Name : Mona Fatma Mohamed Mursi Ahmed
Address : 25 El-Shahid Abd-El-Wahab Alkadi St.,
Heliopolis , Cairo, 11341 , Egypt
Email : monamursi@hotmail.com

EDUCATION

Ph.D. 1972 University of Missouri, Columbia, Missouri, U.S.A.
Computers / Electronics Engineering

M.S.E.E 1969 University of Missouri, Columbia, Missouri, U.S.A.
Electronics Engineering

B.S.E.E. 1965 Faculty of Engineering, Cairo University, Cairo, Egypt

SEMINARS / WORKSHOPS

Computer Image Analysis
Planning and Control
Organizational Development
Principles of Management
Finance for Non Financial Managers
Structured Design
Teaching by Objectives
Preparing Instructional Teaching-By-Objectives Material

AREAS OF RESEARCH INTERESTS :

- Arabization of computer systems
- Pattern recognition.(Finger-prints , Handwriting)
- Computer security/encryption
- Biomedical applications of neural networks
- Microprocessor-based controllers. (Sun-Tracking Systems)
- Advanced computer architectures

PROFESSIONAL EXPERIENCE

Summary Of Background

More than 10 years of technical management and professional experience in small to large scale computer systems, peripherals and instrumentation.
Versed in hardware, software, and firmware design and development
Extensive teaching experience (more than 25 years) of postgraduate and undergraduate courses in computers and electronics / communications
Ten years department head experience at EE and Computer Department of Faculty of Engineering and the College of Computers and Information Science .
Member of several high level academic committees.
Extensive consultation experience.

King Saud University 9/2001 – Present
College of Computers and Information Science, Riyadh, K.S.A.
Professor , Information Technology Department

Member and head of several department level committees for curriculum development and review, hiring of staff, etc. Participated in the academic accreditation review process for private sector universities.
Courses taught: Computer Networks , Information Security , Microprocessors , Database Design , Computer maintenance.

Zagazig University, Benha Branch 2/1995 – 9/2001 , 7/1979 – 9/1988
Faculty of Engineering at Shoubra, Cairo
Professor and Head of the Electrical Engineering Department
(Associate Professor 7/79 – 5/84)

Responsible for teaching courses in computer engineering, Computer Software, Numerical Analysis, Communications, Circuits, Senior Level Project, electronics and microcomputer labs.
General department administrative responsibilities in addition to curriculum development.
Member of several faculty committees (Information Technology, etc..). Member of faculty council.
Member of the general council for the promotion of associate professors and professors.

King Saud University 9/1988 – 2/1995
College of Computers and Information Science, Riyadh, K.S.A.
Professor and Head of Computer Applications Department

Helped in establishing the department of Computer Applications. General department responsibilities: management, staff hiring, courses development and evaluation, etc...

Participated in several university-wide committees. Introduced office automation to the department. Courses taught: Computer Organization, Assembly Language, Microprocessors, Data Structure, Advanced Pascal, Office Automation, Computer peripherals, Senior Level Project.

Telemedia Inc. (Part time)
Cairo Branch, Heliopolis, Cairo
Staff Member

8/1986 – 9/1988

Telemedia is a company based in Chicago, U.S.A. engaged in international educational consulting. Within the framework of contract between Telemedia and the Egyptian Air Academy to implement a modernization program, I was hired by Telemedia to teach computer courses at the Academy, as well as to develop course materials at the P.O I. (Program Of Instruction) writing office.

T.E.A. Computers (Part time)
Heliopolis, Cairo
Computer Consultant

1975-76, 1978-88

As a consultant with T.E.A. Computers, which is a company representing Data General, Computer Vision, and CPT systems in Egypt, I was engaged in tailoring systems, providing technical advice, recommending systems and products, and acting as a technical liaison. Also, worked on some key projects involving adaptation to Arabic of several computer systems.

CALMA Corp.
Sunnyvale, California, U.S.A.
Director of new product development

6/1978 – 9/1978

Reporting to the vice president of engineering, responsible for directing a group of 23 hardware and software engineers.
Project management: Intelligent graphics terminal with local memory for vector storage. Conducted extensive market study on high resolution color monitors and graphics processors . Prepared product proposal for viable new product, was approved by top management and development was authorized.

Cairo University
Electrical Engineering Dept., Faculty of Engineering
Assistant Professor

4/1975 – 10/1976

Taught computer engineering and circuits courses to EE undergraduates. Also taught graduate courses in software engineering.

Tektronix Inc.
Beaverton, Oregon, U.S.A.

5/1972 – 3/1978

Program Manager, Service Instruments Division

Managed firmware/software of 12 engineers. Responsible for:
Firmware operating systems of microprocessor-based service instruments
Design of user interface
Development of a high level language for diagnostic program generation
Development of all common digital modules
Development of mass storage units for portable instrumentation.

Managed a separate cost center, responsible for resource planning and staffing.
Additional involvement included:
Engineering/Marketing task force chartered to define market segments, product features and strategy for Digital Service Instruments
Organization and presentation of seminars/workshops on microprocessors and technological trends to Tektronix Vice Presidents, Division Managers, and top managers.
Numerous strategic committees and task forces on future products, and job definitions for software and firmware engineers.

Project Leader, Information Display Division

Managed a group of 4 engineers in the design of a high-level language computer architecture (one of the first 32-bit computer architectures) and in the implementation of a virtual memory system and operating system firmware. In addition:
Design and development of an intelligent interface between Tektronix Programmable Desktop Calculator and the Digital Processing Oscilloscope
Design and development of an interactive high level language and language interpreter
Design and development of the firmware for controller.

Design Engineer

summers 1969,1970, 1971

Assigned to the design and development of a quick-store programmer for programmable instruments and digital circuits tester.

Cairo University
Electrical Engineering Dept., Faculty of Engineering

9/1965 – 9/1966

Teaching Assistant

Assisted in teaching circuits courses and electronics and communications labs.