

CURRICULUM VITAE

Personal Data:

Full Name : **Fakher Eldin Mohamed Suliman**
Sex : Male
Date of Birth : 1966
Nationality : Sudanese
Language : Arabic, English
Civil Status : Married
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Educational Qualifications:

1. Formal Education:

❖ *Bachelor Degree:*

University: Khartoum Polytechnic
(Now Sudan University of Science & Technology)
Field of Study: Electrical Engineering, Control.
Project: Preparation & Testing of Thyristor controlled Panels.
Degree: Bachelor of Technology (**B.Tech**)
Date of Award: October 1989.

2. Postgraduate Studies:

❖ *Master Degree:*

University: Universiti Teknologi Malaysia
Field of Study: Electrical Engineering, Communications.
Type of Study: Tought Course and Dissertation
Subjects Covered: Linear System Theory, Electronic System Design, Digital Signal Processing, Data and Computer Networks, Switching Systems, Computer Aided Engineering, and Optical Communications.
Dissertation: Performance Study of Wideband-CDMA Technique for the IMT-2000 System.
Degree: Master of Engineering (**M.Eng.**)

Date of Award: October 1998

❖ **PhD Degree:**

University: Universiti Teknologi Malaysia
Field of Study: Electrical Engineering, Communications.
Type of Study: Research
Thesis: Design of Nonblocking High-Density Photonic Switches
Degree: Doctor of Philosophy (**PhD**)
Date of Award: October 2003

Technical Qualifications:

1. Computer Knowledge:

- ◆ Full knowledge of computer literacy (computer systems and peripheral devices)
- ◆ Computer H/W and S/W Maintenance
- ◆ Basic programming Languages
- ◆ General purpose programs
- ◆ Special purpose programs
- ◆ Telecommunication software

2. Training Courses:

- ◆ The New Industries Company, Electrical Maintenance (**3 weeks, 1990**)
- ◆ Khartoum Dairy Products Company, Electrical Engineer (**8 months, 1991**)
- ◆ Atomic Energy Research Institute (AERI), Nuclear Instrumentation (**2 weeks, 1994**)
- ◆ Sudan University of Science & Technology, Communication Systems for Engineers (**3 weeks, 1996**)

3. Publications:

1. **Fakher Eldin. M. Suliman;** K. Seman; and A. B. Mohammad, "On (N+1)-stage planar photonic switches," *Proc. National Conference on Telecommunication Technology 2000 (NCTT2000)* Malaysia, pp C22-C25, November 2000
2. **Fakher Eldin M. Suliman;** A. B. Mohammad; and K. Seman, "A new 4x4 wide-sense nonblocking photonic switching network," *Proc. 5th IEEE Malaysia International Conference on Communication, 2nd East Asian Conference on Lightwave Systems, Lasers, and Optoelectronics, and 5th IEEE Asia Pacific International Symposium on Consumer Electronics (MICC, LISLO & ISCE 2001)*, pp 332-337, October 2001

3. **Fakher Eldin M. Suliman**; A.B. Mohammad; and K. Seman “ A new nonblocking photonic switching network” *Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE, USA, Volume: 4, 2001 Page(s): 2071 –2076, November 2001*
4. **Fakher Eldin M. Suliman**; A. B. Mohammad; and K. Seman, “A multicast photonic switching network,” *Proc. IEEE region 10 Conference on Computers, Communications, Control and Power Engineering, IEEE TENCON'02. Beijing, China, October 2002, pp. 1225-1228.*
5. **Fakher Eldin M. Suliman**; A. B. Mohammad; and K. Seman, “A 4x4 space dilated lightwave network – a new approach,” *Proc. IEEE region 10 Conference on Computers, Communications, Control and Power Engineering IEEE TENCON'02. Beijing, China, October 2002, pp. 1229-1233.*
6. **Fakher Eldin M. Suliman**; A. B. Mohammad; and K. Seman, “A space dilated lightwave network – a new approach,” *Proc. 10th International Conference on Telecommunications (ICT'2003) Tahiti, Papeete, France, February 2003 pp. 1675-1680.*
7. **Fakher Eldin M. Suliman**; A. B. Mohammad; and K. Seman, “Design and Analysis of A Single-Crosstalk-Stage lightwave Network”, *Proc. Of Research Seminar on RMK-7 and RMk-8. Johor Bahru, Malaysia. COM09, May 2003*

4. Conferences and Seminars:

1. National Conference on Telecommunication Technology 2000 (**NCTT2000**) Johor Bahru, Malaysia, November 2000
2. 5th IEEE Malaysia International Conference on Communication, 2nd East Asian Conference on Lightwave Systems, Lasers, and Optoelectronics, and 5th IEEE Asia Pacific International Symposium on Consumer Electronics (**MICC, LISLO & ISCE 2001**), Kuala Lumpur, Malaysia, October 2001
3. Research Seminar on RMK-7 and RMK-8, Aerospace, Information Tecknology and Communication 2003. Johor Bahru, Malaysia, 7th May 2003

Awards and Scholarships:

- ◆ **Ministry of Higher Education and Scientific Research (Sudan) Scholarship** for master degree in Electrical Engineering at Universiti Teknologi Malaysia, July 1997.
- ◆ **Universiti Teknologi Malaysia Fellowship Scheme Award, School of Graduate Studies Award**, from December 1999 to November 2000.

- ◆ *Ministry of Higher Education and Scientific Research (Sudan) Scholarship* for Doctor of Philosophy degree in Electrical Engineering at Universiti Teknologi Malaysia, January 2001.

Work Experience:

1. From March 2005 up to May 2007

**SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
COLLEGE OF ENGINEERING, ELECTRONIC DEPARTMENT**

Job: Head of Electronics Engineering Department

Scope of work

- ◆ Adminstrating all academic and departmental activities of the department.
- ◆ Representing the department in the College Committee and the Senate.

2. From September 2004 up to now

**SUDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
COLLEGE OF ENGINEERING, ELECTRONIC DEPARTMENT**

Job: Assistant Professor

Scope of work

- ◆ Conducting lectures on Electronics and Telecommunications subjects for undergraduate and postgraduate levels.
- ◆ Supervision of undergraduate, Master, and PhD projects.
- ◆ Participating in academic and administrative upgrade and development committees.

3. From November 1998 to January 1999

**UNIVERSITI TEKNOLOGI MALAYSIA
Advance Switching Technology Research Laboratory
(ASTREL).**

Job: Research Assistant

Scope of Work

- ◆ Study of software architecture of switching systems.
- ◆ Design application software for a prototype switching system using ERLANG Programming.

- ◆ Assist in research activities related to switching technology.

4. From July 1996 to January 1997

COLLEGE OF TECHNOLOGICAL SCIENCES

Job: Part-time Lecturer

Scope of work

- ◆ Lecturing on basic Electronics and electronic components subjects.
- ◆ Lecturing on Micro and Digital Electronics.
- ◆ Supervising Electronic Laboratory practice.
- ◆ Conducting theoretical and practical tests and exams in Electronics.

5. From 1994 to 1996

SUDAN UNIVERSITY OF SCIENCE & TECHNOLOGY Faculty of Engineering

**Job: Computer Laboratory Demonstrator
And Administrator**

Scope of work

- ◆ Teaching of introduction to computers.
- ◆ Teaching of basic programming courses.
- ◆ Conduction of Advance software in the fields of word processing, database, & Spreadsheets.
- ◆ Carrying hardware & software maintenance.
- ◆ Preparing and organizing Laboratory timetable and training courses.

6. From 1991 to 1996

SUDAN UNIVERSITY OF SCIENCE & TECHNOLOGY Department of Electronics

Job: Teaching Assistant

Scope of Work

- ◆ Lecturing and tutorials on basic electric, basic electronics and telecommunications subjects.
- ◆ Lecturing of computer techniques and digital electronics.
- ◆ Conduction and supervision of Laboratory experiments in semi conductor devices, analog, micro and digital electronics.

- ◆ Assisting final year students' in research projects related to electric, electronics, and telecommunications.
- ◆ Conducting, marking, and evaluating students' tests, homework, assignments, and practical exams.
- ◆ Carrying administrative duties.

Research Interest:

Switching systems, optical fibres and wireless telecommunications networks.

Professional Membership:

Student Member of *IEEE* since December 1998

Hobbies:

Soccer, Chess, Reading

Referees:

1. **Professor Dr. Abden M. Abdel Karim,**

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2. **Professor Dr. Abu Bakar Mohammad,**

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3. **Professor Dr. Kamaruzzaman Seman,**

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