

CURRICULUM VITA
Dr. Firas Abdullah Thweny Al-Saedi

PERSONAL DATA



NAME: Firas Abdullah Thweny Al-Saedi

POST: Head of Computer Engineering Department – College of Engineering – Al-Nahrain University – Baghdad – Iraq.

ADDRESS: Department of Computer Engineering
College of Engineering
Al-Nahrain University
P.O. Box 64002, Jadriya, Baghdad, Iraq
Phone: +9641 7786417 Office,
Email: firas_alsaidi@yahoo.com
Mobile: +9647901932251

NATIONALITY: Iraqi

DATE OF BIRTH: 8-12-1970

MARTIAL STATE: Married

EDUCATION

ACADEMIC QUALIFICATION: Ph.D. in Electronics and Communications Engineering from Al-Nahrain University, 2000

TITLE of Ph.D. THESIS: Symbolic Analysis of Large Scale Networks, Al-Nahrain University, Baghdad, Iraq, 2000.

TITLE of M.Sc. THESIS: Speed Adjustment of an Induction Motor Drive Using Eddy Current Braking Strategy, Al-Nahrain University, Baghdad, Iraq, 1995.

SPECIALISATION: Networks analysis and design.

POSITIONS HELD:

- 1- Head of Computer Engineering Department – College of Engineering – Al-Nahrain University – Baghdad – Iraq.
- 2- Member of the Authority's Administrative Office of Engineering Consultant - College of Engineering – Al-Nahrain University – Baghdad – Iraq.
- 3- x-rapporteur of the Computers Engineering Department – College of Engineering, Al-Nahrain University.
- 4- Member of the Steering Committee of the Computer Engineering Department – Al-Nahrain University.
- 5- Member of the Researches Evaluation Committee in the College of Engineering, Al-Nahrain University.
- 6- Chief Engineering Officer for the Communication Center at the College of Engineering, Al-Nahrain University.
- 7- Chief Engineering Officer for the cisco CCNP labs at the College of Engineering, Al-Nahrain University.

WORK EXPERIENCE

TEACHING EXPERIENCES:

Teaching B.Sc., M.Sc. and Ph.D. students in the following topics:

- 1- Switching and Routing.
- 2- Advanced Computer Networks.
- 3- Operating Systems.
- 4- Computer System Interfacing.
- 5- Advanced Communication Systems.
- 6- Object Oriented Programming.
- 7- Image processing.
- 8- Advanced Electronics.
- 9- Mobile Robots.
- 10- Wireless Computer Security.

PRACTICAL EXPERIENCES:

Practical Experience for more than 15 years in:

- 1- Computers network design, installation, administration and troubleshooting.
- 2- Electronics and communications system design and implementation
- 3- Communication systems via satellites (design and implementation)
- 4- Industrial automation

PUBLICATIONS

PUBLISHED BOOKS:

- 1- **"Design and Implementation of PSO-Based PID Controller for MA2000 Robot"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-3-659-32110-8).
- 2- **"Design of a Three Dimensional Virtual Reality Environment"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-3-659-33672-0).
- 3- **"Implementation of a Remote Controller for a Three-axis Milling Machine"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-36-593-4588-3)
- 4- **"Design and Implementation of Linux Based VSAT Monitoring System"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-3-659-42274-4).
- 5- **"Performance Study of Mobile IPv6 Using OPNET Simulator"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-3-659-36765-6).
- 6- **"Performance Analysis of Wimax Networks"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-3-659-35334-5).
- 7- **"A New Internet Service Provider Billing System"** - Published by LAP LAMBERT Academic Publishing - Berlin - Germany - (ISBN - 978-384-65205-6).

PUBLISHED PAPERS:

- 1- **Symbolic Analysis of Large Scale Networks.** Journal of ASME, Series A: Modeling, Measurement and Control, Vol. 74, No.1 & 2, 2001, Leyon, France.
- 2- **Design and Implementation of RFID System.** 2008 5th International Multi-Conference on Systems, Signals and Devices, (IEEE SSD 08), Amman, Jordan.
- 3- **A New Internet Service Provider Billing System.** Vol.1, Issue 10, 2011, International Journal of Computer Science Engineering and Technology (www.ijcset.net)
- 4- **Evaluation of Handover Process in WIMAX Networks.** Vol.2, Issue 1, 2012, International Journal of Computer Science Engineering and Technology (www.ijcset.net)
- 5- **Design and Implementation of PSO-PID Controller for MA2000 Robotic Manipulator,** Vol. 2, Issue 9, 2012, 1427-1433, International Journal of Computer Science Engineering and Technology (www.ijcset.net)
- 6- **Implementation of FPGA Based PSO PID Controller for Feedback IVAX SCARA Robot Manipulator,** Vol. 3, Issue 10, 2013, International Journal of Computer Science Engineering and Technology (www.ijcset.net)
- 7- **Peak Shaving Energy Management System for Smart House,** Vol. 3, Issue 10, 2013, International Journal of Computer Science Engineering and Technology (www.ijcset.net)

STUDENTS SUPERVISION

POSTGRADUATE SUPERVISION:

Supervisor of the following M.Sc. projects

- 1- Development of 1D Barcode Reader Software Tool (2005).
- 2- PC-Based Multichannel ECG System (2005).
- 3- Development of A Prototype Billing System (2006).
- 4- Building A Wired LAN-Based Mobile Vehicle Interface (2006)
- 5- Design and Implementation of Web based SCADA System (2006).
- 6- Implementation of Lan-Based IP Telephony Simulator (2006).
- 7- An Adapter for Internet Telephony System (2006).
- 8- Self-Guidance Mobile Vehicle: Design and implementation (2007).
- 9- Remote Control of Robotic Manipulator VIA the Internet (2007).
- 10- Implementation of WEP Attack in IEEE 802.11b (2007)
- 11- Design and Implementation of Linux based VSAT Monitoring System (2007).
- 12- Simulation of Error Detection and Correction of ATM Technology (2009)
- 13- Bandwidth Allocation in B-ISDN Using Bandwidth Contract Algorithm (2009)
- 14- Design and implementation of a Remote Controller for a Three-Axis Milling Machine (2010).
- 15- Design of A Three-Dimensional Virtual Reality Environment (2010).
- 16- Performance Study of Mobile IPV6 Using OPNET Simulator (2011).
- 17- Performance Analysis off QoS in WIMAX Networks. (2012)
- 18- Design and Implementation of PSO-Based PID Controller for MA2000 Robotic Manipulator. (2012)

Grants

- 1- Winner of the United Stated Fulbright Visiting Scholar Program Grant (2011- USA-Michigan State University).