

CURRICULUM VITAE

(1) Personal Information:



- a. Name: *Eisa Bashier Mohamed Eltayeb*
b. Place & Date of Birth: *Wad banda – 01/01/1964*
c. Nationality: *Sudanese*
d. Current Occupation: *Associate Professor*
e. Religion: *Muslim*
f. Marital status: *Married*

(2) Present Appointment & Address:

Dean; College of Engineering - Sudan University of Science & Technology

a. Office Address:

Sudan University of Science & Technology;
College of Engineering; Electrical Engineering Department;
Deum East 61-Street. P. O. Box: 407

Phone (office): 0183468628 Mobile: 0915458516 Fax: 0183463614

b. Permanent Address:

Omdurman – Karray Locality – Hatana City, H.No: 101/16.

E-mail: eisabashier@sustech.edu; eisabashier@yahoo.com

(3) General Education:

School	Years
Wad Banda East primary School	1970 – 1976
Wad Banda General Secondary School	1976 – 1979
El-Nuhood Higher Secondary School	1979 - 1982

(4) Qualification:

Qualifying Exam	Board / College/ university	Year	Division & Remarks
Ph.D. in Electronics Engineering	Z. H. College of Engineering & Technology - Aligarh Muslim University (AMU) - INDIA	2003	
M.Sc. in Electrical Engineering (Instrumentation and Control)	Z. H. College of Engineering & Technology – Aligarh Muslim University (AMU) - INDIA	1998	FIRST CLASS
B Tech. in Electrical Engineering (Control)	College of Engineering & Scientific Studies/ Khartoum Polytechnic - SUDAN	1988	Second Class Upper

(5) Title of Ph.D. Research Topic:

DEVELOPMENT OF SOME NOVEL APPLICATIONS OF ULTRASONIC AND CAPACITIVE TECHNIQUES IN THE FIELD OF INSTRUMENTATION

(6) Field of Specialization: Control Engineering & Instrumentations

(7) Professional Experience:

- **Center of Khartoum State Development; Technical Committee Member for the specifications of gardens, streets and traffic lights - 2006.**
- **Act as Departmental facilitator for UNDP higher education project for reviewing Electrical and Electronics Engineering Department – Sudan university of Science and Technology 2008.**
- **Technical committee member for selecting & importing (from China) portable and mobile X – Ray scanners - Sudanese Customs, Sea Port Corporation 2007-2008.**
- **Arab Universities Union team Coordinator for the institutional review of Sudan University of Science & Technology 2010.**
- **National Electro-technical Committee Member – Sudanese Standards & Measurement Organization 2011.**
- **Preparatory Technical Committee for IAEA fact finding mission to Sudan –Sep. 2008.**
- **Present training cycle on “External Review Technical Report Writing” SUST – June 2010.**
- **Main member of Technical Collages review and Assessment committee – Technical Education corporation – 2008**
- **Reviewer of the following Technical colleges:**
 - **Marrawi Technical College;**
 - **Port Sudan Technical College**
 - **Kassala Technical College;**
 - **Sheikh Elbadry Technical College**
 - **Graif Sharg Technical College;**
 - **Elfiage Technical College.**
- **External Examiner for the for the following Engineering college:**
 - **Electrical Engineering Department – Kenana Technical College - 2007 & 2008.**
 - **Electrical Engineering Department - College of Engineering – Kurdofan University – 2007.**
 - **Master of Science program – Sudan academy of Science – 2008.**
 - **Electrical Department – Getaina Technical College - 2010.**
 - **Electrical & Electronics Engineering Department – College of Engineering – Kararry University – 2011.**
 - **Control Engineering Department – College of Engineering – Niellain University 2010 & 2011.**

(8) Teaching Experience:

a) Undergraduate Level:

Teaching the following subjects: Electrical Engineering Principles; Electrical Circuit Theory; Control System Theory; Control System Design; Automatic Control Systems; Digital Control Systems; introduction to Optimal Control System; Sensors & Transducers; Instrumentation & Measurements.

Visiting Assistant professor for the following Engineering colleges:

**Electrical Department; Electrical Engineering Private College 2004
Electrical Engineering Department; Engineering College – Kurdofan University 2005.**

Electrical Engineering Department; Engineering College Blue Nile University-2006.

Electrical & Electronics Engineering Department – College of Engineering- Karray University-2010.

b) Postgraduate level:

Teaching the following subjects: Optimal Control Systems; Sensors & Measurement; Power Systems Instrumentations; Sensors and Automation; Digital Control Systems and Digital Signal Processing.

Visiting Assistant professor for the following programs:

Master program in Control Engineering, College of Postgraduate Studies-Karray University 2008.

Master of Science program, Sudan Academy of Science – 2009

(9) Post Graduate Research Supervision:

	Title	Candidate Name	Status
1.	Minimization of Distribution System Harmonics (Case Study: Sudanese Malaysian Steel Factory)	Mustafa Ahmed Dafalla Mustafa	Awarded (2006)
2.	Investigation of Remote Terminal Unit (RTU) in control systems (Case of incompatibility)	Mohammed Hassan A/gadir Abdallah	Awarded (2007)
3.	Study of Real Time Control Applications	Yasir Babkir Hamdan	Awarded (2007)
4.	An Optimum Measuring Technique for Custody Transfer Meter in Oil Field	Ashraf Nureldin H. Mohamed	Awarded (2008)
5.	A Novel Optimal Control Algorithm	Saber M. Elnour	Awarded (2008)
6.	Fuzzy Logic Controller Design	Khalid M A Abbass	Awarded (2009)
7.	Study of Integral Role of Measurement Devices and Distributed Control System (Case Study of Atbara Pump Station)	Montasir M. A Soliman	Awarded (2010)
8.	Extracting Parameters of Electrical Transformer	M Elbagir Alkhair	Awarded (2010)
9.	Automatic Generation Control of An Interconnected Power System Using Fuzzy Logic Control	Faisal A/Rehman Hussein Ahmed	Awarded (2010)
10	Tuning Methods of PID Controller	Omer M Salama	Awarded (2010)
11.	Change of Classic Control into PLC using Logo Language	Aziz Budreldin A/Mutalib	Awarded (2011)
12	Fault Detection, Classification and Location in Power System Transmission Line Using ANN	Omer A/Aziz A/Rahim	Awarded (2011)
13.	Automated Control using Voice Command	Suhaib Agab Elsiddige	Awarded (2012)

14.	Redesign of Boiler Soot Blower Control System Using PLC (Khartoum North Power Station)	Ibrahim M Elfatih	Awarded (2012)
15.	Effectiveness of Smart Grid Metering on Energy Efficiency	Esam Mohammed El Hassan	Awarded (2012)
16.	Intelligent Controller for Motor's Management using Relay	Mohd. A/Allah Elshaikh	Awarded (2013)
17.	Comprehensive Study for Control of Boiler Drum Level in Power Plant	Elhadi Ahmed Zakaria	Awarded (2013)
18.	Reduction of Harmonic Effect in the Variable Speed drive (VSD) of Progressive Cavity Pump (PCP)	Elfatih A/Elmutalab Elmardi	Awarded (2013)
19.	Power Load Forecasting using Artificial Neural Network	Ali Ahmed	Awarded (2013)
20	Instrumentation and Automation Used in Crude Oil Process	Mamoun Ibrahim	Ongoing
21	Petroleum Proving System	Hyder M Mohamed	Ongoing
22	PLC for Automated Water Treatment System	M. Eltayeb Saad	Ongoing
23	Design of digital tipping bucket rain gauge	Mohd A/Allah hamid mokhtar	Ongoing
24	Automated soot blowers system in Kenana boilers	Ali Khamis Mursal	Ongoing
25	Automation of Boiler Feed water Treatment (Case Study of KSC Unit)	Mohammed Musa Yousif	Ongoing
26	MEMS-Based Guidance and Navigation Control system	Majid Nabeel A/Majid Ali Abugosesa	Ongoing

(10) Major University Level Affiliations

(Sudan University of Science & Technology-SUST)

S.No	Designation	Period
1.	Coordinator of Post Graduate Programs in Engineering; College of Engineering.	2004 – 2005
2.	Chairman of Electrical Engineering Department; College of Engineering	2005 – 2009
3.	Founder Chairman of Nuclear Engineering Department; College of Engineering.	2008-2010
4.	Deputy Dean for Academic Affairs; College of Engineering.	2009 to 2012
5.	Dean of Engineering College.	2012 to Now
6.	Member, SUST Senate	2005 to Now
7.	Member, SUST Academic Committee	2010 to Now
8.	Member, SUST Publishing Committee	2010 to Now
9.	Member, Engineering College Council	2005 to Now
10	Member, Engineering College Research Council	2005 to Now
11.	Member, SUST Council	2012 to Now

(12) Association with professional Bodies:

- Member of Sudanese Engineering Association.
- Member of International Association of Engineers (IAENG).

(13) Social Activities:

Academic Advisor for Engineering College Students.

Member of Educational Council; Alia Private Educational Institution.

(14) Publications:

Papers

1. Eisa Bashier M Tayeb “**Faults Detection in Power Systems Using Artificial Neural Network**” *American Journal of Engineering Research* (ajer.org); Vol-02, Issue-06, 2013; pp-69-75
2. Ahmed A. Emam, Eisa Bashier M. Tayeb, A. Taifour Ali, Ammar Hassan Habiballah “**Adaptive Neuro-Fuzzy Inference System Identification of an Induction Motor**” *European Journal of Science and Engineering Vol. 1, Issue 1, 2013* Progressive Academic Publishing, UK;
3. Ahmed A. Emam, Eisa Bashier M. Tayeb, A. Taifour Ali, Musab M.S.A Alshiekh “**Master-Slave Speed Control of Double Induction Motor**” *International Journal Of Computational Engineering Research* (ijceronline.com) Vol. 3 Issue. 5, pp 115-118.
4. Eisa Bashier M. Tayeb, A. Taifour Ali, Ahmed A. Emam “**Electrical Energy Management and Load Forecasting in a Smart Grid**” *International Journal of Engineering Inventions; Volume 2, Issue 6 (April 2013) PP: 98-101.*
5. Ghazally Y. Mustafa, A. Taifour Ali, Eisa Bashier, Mirghani Fateh Elrahman “**Neuro-Fuzzy Controller Design for a DC Motor Derive**” *University of Khartoum Engineering Journal; Vol. 3 Issue 1(February 2013) pp7-11.*
6. Eisa Bashier M. Tayeb and A. Taifour Ali “**Comparison of Some Classical PID and Fuzzy Logic Controllers**” *International Journal of Scientific and Engineering Research; Vol 3, Issue 9, September 2012. (IJSER).*
7. A.Taifour Ali, Eisa Bashier M. Tayeb and Omar Busati alzain Mohd “**Adaptive PID Controller for Dc Motor Speed Control**” *International Journal of Engineering Inventions; Volume 1, Issue 5 (September2012) PP: 26-30*
8. Eisa Bashier M. Tayeb, A. Taifour Ali and M. Albager Alkhir H. Ali “**Extraction of Electrical Power Transformer Parameters**” *International Journal Of Engineering And Computer Science, Volume 2 Issue 1 Jan 2013 PP: 187-195.*
9. Dr. A. Taifour Ali, Dr. Eisa Bashier M Tayeb, Ms. Kawthar A. Adam “**A Multi-Machine Power System Stabilizer Using Fuzzy Logic Controller**” *International Journal Of Computational Engineering Research* (ijceronline.com) Vol. 2 Issue. 6
10. Eisa Bashier Mohammed and Faisal A/Rahman Hussein “**Fuzzy Controller for Two-Area Interconnected Power System**” *Journal of Science & Technology; SUST Issue No. 2; Dec-2011; pp 135-143.*
11. A. Taifour Ali, Eisa Bashier M. Tayeb, M. Ahmed Kajala “**Double Column Lathe Vertical Machine Control Using PLC**” *IJPRET, 2012; Volume 1(2): 51-56.*
12. Taifour Ali, Eisa Bashier M. Tayeb and M. Eihab Suliman “**Auto-parking Control using Radio Frequency Identification (RFID)**” *ARNP Journal of Systems and Software, VOL. 2, NO. 11, November 2012.*

13. Eisa Bashier M. Tayeb “Automation of Interconnected Power System using Fuzzy Controller” *International Conference & Utility Exhibition on Power and Energy Systems, Oct. 2011, Pattaya City - Technical Co-Sponsor IEEE - Thailand.*
14. M. Rehman; Eisa Bashier and Othman Sidek “Ultrasonic Technique for the Measurement of Pressure Below Atmospheric” *TENCON 2004 IEEE, Vol. 4, November 2004, pp 653-655.*
15. Eisa Bashier Mohammed and M. Rehman, "Digital Capacitive Angular-position Sensor", *IEE Proceedings - Science Measurements Technology (UK), Vol. 150, No 1, January 2003, pp 15-18.*
16. Eisa Bashier Mohammed and M. Rehman, "Digital Capacitive-Encoder", *Proceedings of the International Conference on Robotics, Vision, Information and Signal Processing (RVISP), January 2003, Penang, pp 723-727. Co Organized by IEEE -Malysia.*
17. Eisa Bashier Mohammed and M. Rehman, " Novel Method of Liquid Viscosity Measurement Using Piezoelectric (PZT) Transducer", *Proceedings of the International Conference on Robotics, Vision, Information and Signal Processing (RVISP), January 2003, Penang, pp 767-770. Co Organized by IEEE -Malysia.*
18. Eisa Bashier Mohammed & M. Rehman, "Novel Capacitive Rotational-Speed Transducer", *Institute of Physics Publishing, Meas. Sci. & Technology (UK), Vol. 13, November 2002, pp 2027-2031.*
19. Eisa Bashier Mohammed and M. Rehman, "Low Pressure Measurement Using Ultrasonic Technique", *National Seminar on Advanced Instrumentation, January 2001, CSIO Chandigarh- India.*
20. Eisa Bashier Mohammed and M. Rehman, "Precise Displacement Measurements Using Ultrasonic Technique" *All India Seminar on Instrumentation Engineering - Practices, Teaching and Research, July 2001, Hyderabad-India, pp4.20-4.23.*

Books

A book entitled “Linear Control Systems Analysis” is undergoes reviewing process and **FINALLY Accepted for publication in Nov. 2011.**

كتاب تحت عنوان "تحليل أنظمة التحكم الخطية" تمت مراجعته بواسطة المحكمين وأجيز نهائياً للنشر في نوفمبر 2011م.

(15) Seminars / Workshops / Conferences:

- ☛ National Symposium & Exposition on Modern Instrumentation Challenges and Visions, Feb 1999, Z.H. College of Engineering & Technology –AMU Aligarh- India.
- ☛ National Seminar on Advanced Instrumentation, January 2001, CSIO Chandigarh- India.
- ☛ All India Seminar on Instrumentation Engineering - Practices, Teaching and Research, July 2001, Hyderabad-India.
- ☛ Seminar of the Experts from IAEA on “Utilization of Peaceful Applications for the Nuclear Energy” Ministry of Energy and Mining – Khartoum – Feb. 2006.

- ☛ A Training Workshop on “Assessing the Quality and Impact of Academic Programmes in Arab Universities (Academic Subject Review); Tunis, June 2007.
- ☛ A Training Workshop on “Enhancement of Quality Assurance and institutional Planning at Arab Universities” United Nations Development Program UNDP / RBAS Higher Education Project - Engineering Cycle in Sharm El Sheikh – Nov. 2007.
- ☛ Second Scientific Conference on Laser Science and Applications – Khartoum Dec. 2010.
- ☛ International Conference & Utility Exhibition on Power and Energy Systems, Pattaya City –Thailand, Oct. 2011.
- ☛ ورشة عمل ترقية العمل الهندسى في السودان – المجلس الهندسى- الخرطوم – 2012م

Awards and Prizes:

- Indian Council for Cultural Relation (ICCR) Scholarship (Cultural Exchange Program), India, 1996.
- University Grants Commission (UGC) of India, Juniors Research Follower ship, 1999.
- University Grants Commission (UGC) of India, Seniors Research Follower ship, India, 2002.