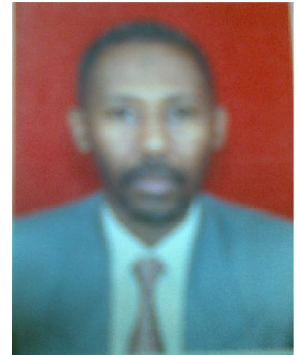


CURRICULUM VITAE



(1) Personal Information:

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

(2) Present Appointment & Address:

Deputy Dean for Academic Affairs; College of Engineering

a) Office Address:

**Sudan University of Science & Technology;
College of Engineering; Electrical Engineering Department;
Deum East 61- Street.**

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

b) Permanent Address:

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

E- mail ID: 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 |
| Nuhod 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

(ABSTRACT Attached)

(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; Elfiege 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.

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 Dafall Mustafa | Awarded (2006) |
| 2. | Investigation of Remote Terminal Unit (RTU) in control systems (Case of incompatibility) | Mohammed Hassan Abdulgadir 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 Ahmed | 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. | Instrumentation and Automation Used in Crude Oil Process | Mamoun Ibrahim | Ongoing |
| 14. | Petroleum Proving System | Hyder M Mohamed | Ongoing |
| 15. | PLC for Automated Water Treatment System | M. Eltayeb Saad | Ongoing |
| 16. | Digital Controller for Motor Management | M A/Allah Elshaikh | Ongoing |
| 17. | Analysis and Control of Nonlinear Dynamics of Boiler Drum Level in Power Plant | Elhadi Ahmed Zakaria | Ongoing |
| 18. | Automated Control using Voice Command | Suhaib Agab Elsiddige | Ongoing |
| 19. | Redesign of Boiler Soot Blower Control System Using PLC (Khartoum North Power Station) | Ibrahim M Elfatih | Ongoing |
| | | | |
| | | | |

(10) Research Projects:

(11) 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 Now |
| 5. | Member, SUST Senate | 2005 to Now |
| 6. | Member, SUST Academic Committee | 2010 to Now |
| 7. | Member, SUST Authoring & Publishing Committee | 2010 to Now |
| 8. | Member, Engineering College Council | 2005 to Now |
| 9. | Member, Engineering College research Council | 2005 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 & Omer A/Aziz A/Rhim “Transmission Line Faults Detection, Classification and Location using Artificial Neural Network” International Conference & Utility Exhibition on Power and Energy Systems, Oct. 2011, Pattaya City - Technical Co-Sponsor **IEEE** - Thailand.

2. 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.
3. 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.
4. 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.
5. 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** -Malaysia.
6. 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** -Malaysia.
7. 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.
8. Eisa Bashier Mohammed and M. Rehman, "Low Pressure Measurement Using Ultrasonic Technique", National Seminar on Advanced Instrumentation, January 2001, CSIO Chandigarh- India.
9. 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 تحليل أنظمة التحكم الخطية” is under referees review for publication.

(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.

Awards and Prizes:

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