

SAIFELDEEN ABDALMAJEED MAHMOOD ABDALMAJEED



Personal Information

Marital status: Married with two daughters

Nationality: Sudanese

Date of Birth: September - 18 - 1972

National personal card: 2188806

International Military Duty: Done

Passport No.: p2547585

Place of Birth: New Halfa, Eastern State, Sudan

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Personal Profile:

A professional, highly ambitious and dynamic individual with a strong desire to achieve all personal goals set. Self-motivated, extremely confident, efficient and determined to work hard, be focused and achieve the utmost performance. Personal skills include an ability and preparedness to involve in team work and managing key areas of organizations, problem solving, leadership and acquiring new skills.

Education

Ph.D. in Information and Communication Engineering,
[2012- 2015] Faculty of Information and communication
Engineering, Harbin Engineering University - Harbin, China.
Thesis title: (Degraded Image Quality Assessment by No-
reference Methods).

**M.Sc. in Electronics Engineering- (Communication
Engineering),**
[2003 - 2005] Graduate College, Sudan University of Science
& Technology - Khartoum, Sudan.
Dissertation: (Simulation of CDMA/CD Protocol)

**B.Sc. in Electrical and Electronics Engineering (second
upper division one),**
[1994- 2000] Faculty of Engineering, Nile Valley University,
Atbara – Sudan (regular student).
Final Project: (Design of a LAN Network for Faculty of
Engineering, Nile Valley University)

Trainings, courses, and workshops

trainings:

- Installing and maintaining communication devices and equipments.
- Electrical maintenance for locomotives.
- Mechanical maintenance and air systems.
- Training at Sudan satellite station.

Courses:

- course in PLC .
- course in microcontroller.
- C++ Language.

Workshop:

- Workshop on E-learning.
- Workshop on academic regulations.

Professional experience

different experience:

Engineer at SUDAN Railways Corporation [2000 - 2001].

- Electrical and Electronics Engineering Department , Faculty of Engineering & Technology , Nile Valley University, Atbara, Sudan [Dec. 2001 – till now]. The period description: [2001 - 2005] as a teaching assistant [2005 – 2012] as a lecturer. [2013 - 2016] as assistant professor.
- I supervised different laboratories in the department of Faculty of Engineering & Technology , Nile Valley University.
- Head of Science department - Faculty of Engineering & Technology , Nile Valley University [2006-2009].
- Head of university staff department, academic affairs of Nile Valley University [2016].
- Member of M.Sc. Program Curriculum Committee -Faculty of Engineering, Nile Valley University
- Member of examination committee - Faculty of Engineering &

Technology, Nile Valley University.

- Faculty of Engineering- Al-Neelain University, Khartoum-Sudan, assistant professor [2016 -Oct. 2019].
- Member of Data and Network Program Curriculum Committee for M.Sc. Degree - Graduate college - Faculty of Engineering- Al-Neelain University [March 2019].
- Member of Mobile Systems Program Curriculum Committee for M.Sc. Degree - Graduate college - Faculty of Engineering- Al-Neelain University [March 2019].
- Head of communication department and - Faculty of Engineering- Al-Neelain University [Feb. -Oct. 2017].
- Post graduate coordinator, communication department - Faculty of Engineering- Al-Neelain University [Feb. -Oct. 2017].
- Member of ethics committee Alneelain University [2017 - Oct. 2019].
- Member of Labs ordering committee - Faculty of Engineering- Al-Neelain University
- Hikma college for Science and Technology Khartoum-Sudan [2016 - till now].- Part-timer.
- University college of Almanara Khartoum-Sudan [2016] - Part-timer.
- Coordinator for Electrical and Electronics Engineering program of Al Madain college for Science and Technology Khartoum-Sudan [2017 - till now].
- Member of Electrical and Electronics Engineering Program Curriculum Committee for B.Sc. (Honours) Degree - Al Madain college for Science and Technology Khartoum-Sudan .
- Responsible of ordering Labs for Al Madain college for Science and Technology Khartoum-Sudan.
- Vice chief of exported Labs and books investigation committee of Al- Madain college for Science and Technology Khartoum-Sudan.
- Head and Member of a lot of examination committees.
- I installed many labs like Electrical Circuits, Digital Electronics, Analog Electronics, Communication (Digital and Analog), microprocessor, BPEX (Private Exchange Box).
- Head of Electrical & Communication Department, Faculty of Engineering & Technology, Nile Valley University [Dec.2019-till now].

Researches, supervision, and examiner for M.Sc.:

- I have many publications (mentioned below).
- I am co-supervisor of the full M.Sc. researches (completed):
 - Developing of Exact Field Expressions of a Circular Loop Antenna Over A lossy Dielectric Plane. (M.Sc Full research -August 2017).
 - Development of an Efficient Technique for Radar Cross Section Computation of Conducting Bodies of Revolution. (M.Sc. Full research).
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- I supervised the partial M.Sc. research (completed):

- *Design of Ultrasonic Waves Based Wireless Water Level Monitoring System. (M.Sc. partial research).*
- *And others undergoing M.Sc. researches .*
- *I supervisor a lot of partial M.Sc. researches (under progress):*
- *I was external and internal examiner of more than 20 researches:*
- *I was a supervisor of a lot of B.Sc. students' projects (a partial research in the fifth final year), such as:*
 - *Design of Cellular Radio Network for Atbara Town.*
 - *simulation of GSM System.*
 - *Design of Butterworth Filter Analog and Digital.*
 - *Simulation of Telephony Traffic.*
 - *LAN Design.*
 - *Image Quality Assessment.*
 - *Simulation of Fiber Optics Network...etc.*
 - *In addition to the Diploma students projects.*

Courses I have been taught:

Undergraduate:

I have been taught various courses during the work . For example:

- *Communications theory (analog& digital).*
- *Electronics (1&2).*
- *Solid State Physics.*
- *Solid State Devices.*
- *Computer programming (e.g. QBASIC,C++,MATLAB,...).*
- *LANs (Local Area Networks).*
- *Networks .*
- *Electrical Circuits (1&2).*
- *Signal Analysis and Systems.*
- *Digital Signal Processing.*
- *Mobile Communication Systems.*
- *power electronics.*
- *Electrical Engineering Fundamentals.*
- *Communication applications...etc.*

Postgraduate:

- *RF Circuits and Design.*
- *Advanced Digital Signal Processing.*

Software and programming Languages

I am familiar with the following Software:

- *MATLAB.*
- *C++.*

- Q-basic.
- Microsoft Office Applications e.g. word, Excel, and power point.
- applications that under Windows like: Electronic Workbench, PSpice...etc. .

Languages

Arabic (mother tongue)/ English (very good)

Publications

(All are online)

1. Saifeldeen Abdalmajeed, Three Different Features Based Metric To Assess Image Quality Blindly. *FES Journal of Engineering Sciences*, 8(2), 97-103, (2020).
2. Saifeldeen Abdalmajeed, Analysis of Weibull Statistic Features Impact on Image Degradation Measurement, *SUST Journal of Engineering and Computer Sciences (JECS)*, Vol. 21, No. 1, 2020.
3. Saifeldeen Abdalmajeed, Performance Evaluation of Natural Scenes Features to create Opinion Unaware-Distortion Unaware IQA Metric, *SUST Journal of Engineering and Computer Sciences (JECS)*, Vol. 20, No. 3, 2019
4. Osman M. Alsemaid, Sameir M. Ali Hamed, and Saif A. Mahmood. A series Solution for the Input Admittance of A circular Loop Antenna. *Recent Advances in Electrical & Electronic Engineering. Volume 12 , Issue 2 , 2019*, D 10.2174/2352096511666180523094647.
5. Saifeldeen Abdalmajeed and Jiao Shuhong. Using the Natural Scenes' Edges for Assessing Image Quality Blindly and Efficiently. *Mathematical Problems in Engineering*, vol. 2015, Article ID 389504, 9 pages, 2015. doi:10.1155/2015/389504 (SCI Accession Number: WOS: 000350577800001).
6. Saifeldeen Abdalmajeed and Jiao Shuhong ,2014. No-reference image quality assessment algorithm based on Weibull statistics of log-derivatives of natural scenes. *Electronics Letters*, Volume 50, Issue 8, p. 595 – 596. doi: 10.1049/el.2013.3585.(SCI accession number: WOS:000335154000017).
7. Jiao Shuhong, Saifeldeen Abdalmajeed, Liu Wei and Wu Ruxuan, 2014. Totally Blind Image Quality Assessment Algorithm Based on Weibull Statistics of Natural Scenes. *Information Technology Journal*, 13: 1548-1554. doi: 10.3923/itj.2014.1548.1554.
8. Saifeldeen Abdalmajeed and Jiao Shuhong, 2014. Fully Blind Image Quality Assessment Algorithm. *Information Technology Journal*, 13: 171-176. doi: 10.3923/itj.2014.171.176.
9. Saifeldeen Abdalmajeed, Jiao Shuhong and Liu Wei 2014. Entirely Blind Image Quality Assessment Estimator. *Applied Mechanics and Materials, Vehicle, Mechatronics and Information Technologies II*, 543-547, 2496. doi: 10.4028/wwwscientific.net/AMM.543-547.2496. (EI access number 20141717625153).

10. Saifeldeen Abdalmajeed; Jiao Shuhong and Liu Wei, 2014. Totally blind image quality assessment evaluator. Proc. SPIE 9069, Fifth International Conference on Graphic and Image Processing (ICGIP 2013), Vol.90690; doi: 10.1117/12.2050200. (EI access number 20140917364825).

All papers and their citation metric are in Google Scholar

**Google
Scholar**

Reference:

1. Dr. Samir Mohammed Ali,
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2. Prof. Amin Babikir abdennabi,
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3. Dr. Abubakr-Alsidiq Mergani,
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