

CURRICULUM VITAE



1. First name: Yasir Abdelgadir
2. Last names: Mohamed
3. Date of birth: 20/06/1969
4. Nationality: Sudanese
5. Family status: Married
6. Tel: +96892936112
7. E-mail: yasir_eym@yahoo.com
8. Occupation: Associate Prof.
9. Highest education degree: PhD in Information Technology, 2010, **Universiti Teknologi PETRONAS, MALAYSIA.**
10. Work experience: since 2002.
11. Area of Interest: Networking protocols, design, administration and security.
12. Research papers:
 - **Journals:** 14.
 - **Conference papers:** 28.
 - **Supervised students** (MSC, Ph.D, MBA): 41.
 - **List of recent review assignment:**(
<https://www.webofscience.com/wos/op/peer-reviews/summary>)
 - A Reliable Message Broadcast Protocol Using Active RFID Mechanism in Vehicular Ad Hoc Networks, Journal of Advances in Information Technology, 2023-10-23.
 - Improved ResNet_101 Assisted Attentional Global Transformer Network for Automated Detection and Classification of Diabetic Retinopathy Disease, Journal of Advances in Information Technology, 2023-10-07.
 - Face Identification Based on Active Facial Patches Susing Multi-task Cascaded Convolutional Networks, Journal of Advances in Information Technology, 2023-05-29.
 - A Qos-aware Multi-constraints Routing Schema For Manet-assisted Iot Applications In Smart Cities, Journal of Advances in Information Technology, 2023-04-23.
 - **List of Funded research:**
 - Biologically Inspired Protocol For Securing A Class Of Networks (A research funded by UTP, Malaysai, 2008-2010).
 - Design and Implementation of an Integrated Healthcare Centers E-Guide System in Oman (Research Grant, MoHERI, 2023).
 - **Research Collaborations & Research Visits:** Initiated a collaboration with International Islamic University (IIU), Nov 2023.
 - Google Scholar: [Yasir - Google Scholar](#)

- IEEE Explore: <https://ieeexplore.ieee.org/author/38186987300>
- Scopus: [Mohamed, Yasir Abdelgadir - Author details - Scopus Preview](#)

13. Education:

- PhD in Information Technology, 2010, Universiti Teknologi PETRONAS, MALAYSIA.
- MSc in Computer Engineering & Networks, University of Gezira, 2003 (CGPA 3.72 / 4).
- Master of Strategic Studies, Nimeiri Higher Military Academy, Sudan, Dec 2020.
- B.Sc. Honors in Computer Engineering Technology, University of Gezira, Jan 2001(CGPA 3.46 / 4).
- High School Certificate, March 1989, SUDAN.

14. Work experience:

- (April 2006 - 2008) Head of Communication and Networking Department, Directorate of Information Systems-Khartoum- SUDAN.
- (2002 - 2008) Part Time Lecturer, Upper Nile University, Khartoum
- (June 2006- 2008) Part Time Lecturer, Almanhal University Academy for Science, Khartoum North.
- (June 2006 - 2008) Part Time Lecturer, Sharq Al-Neel Technology Collage, Khartoum North.
- (2002-2008) Supervising final year projects for diploma students.
- (2008-2010) Teacher Assistance and Computer Labs Supervisor, Information Technology & Computer Sciences Department, University Teknologi PETRONAS; including:
 - Tutoring undergraduate level subjects
 - Conducting laboratories demonstration
 - Invigilating test and exams session.
- (2011-2021) Assistant Prof. Department of Computer Sciences, Karary University.
- (2012- 2021) Partial contract in Future University
- (2011- 2021) Supervising MSc students in the related areas.
- (2011- 2021) Participating in MSc programs.
- (2011- 2021) External examiner for BSc and MSc students.
- (2012-2021) Instructor for MSc courses in:
 - Anilin University, Collage of Computer Science.
 - Sudan University for Sciences and Technology, Collage of Computer Science.
 - University of Gezira, Faculty of Mathematical Sciences and Computer
 - University of Gezira, Faculty of Engineering, Department of Computer Engineering.
 - Sudan Academy for Banking and Financial Sciences.
 - University of Garden City.
 - Future University.(MSc in Data Communication and Networking)
 - Karary University (MSc in Information Security)
- (2012-2021) Head of Directorate of Information Systems, Karary University.
- (2012-2021) International Computer Driving License ICDL manager, Karary University.
- (2012-2021) ICDL Quality Assurance.
- (2017-2021) Head of Statistics and Information Department - Karary University
- (2019-2021) Arabic Open University
- (Dec 2021- Aug 2022) University of Buraimi.
- (Sep 2022-) A'Sharqiyah University

15. Area of Interest

16. Publications:

▪ **Journals**

- a. Mohamed, Y.A., Abdullah, A.B., Security mechanism for MANETs , Journal of Engineering and Sciences Technology (JESTEC), no. 2 vol. pp. 231-242, 2009.
- b. Abdelgadir Mohamed, Yasir Abdullah, Azween B, Immune Inspired Approach for Securing Wireless Ad hoc Networks, International Journal of Computer Science and Network Security (IJCSNS), no.(7) vol. 9, pp. 206-212, 2009.
- c. Yasir Abdelgadir Mohamed, I²MANET Security Logical Specification Framework, International Arab Journal of Information Technology (IAJIT), Vol.9, No. 6, November 2012.
- d. M. Ayaz, A. Abdullah, I. Faye, and Y. Batira, "An efficient Dynamic Addressing based routing protocol for Underwater Wireless Sensor Networks," Computer Communications, vol. 35, no. 4, pp. 475-486, 2012.
- e. Mohamed A. Aziz, Yasir. A. M, "A novel approach for data integrity protection in cloud "International Journal of Computing Science and Information Technology 2017, Vol.5,07-12 ISSN: 2278-9669, January 2017 (<http://ijcsit.org>)
- f. Moaz Mahmoud, Y. A. Mohamed, "Design and Implementation for Piracy Protection Software "Imperial Journal of Interdisciplinary Research (IJIR(Vol-3, Issue-3, 2017 ISSN: 2454-1362, (<http://www.onlinejournal.in>)
- g. Alaa Abelrahman, Yasir. A. Mohamed, "Image Quality Enhancement Using Fusions by Wavelet Transform and Laplacian Pyramid", "Imperial Journal of Interdisciplinary Research (IJIR(Vol-3, Issue-3, 2017 ISSN: 2454-1362, (<http://www.onlinejournal.in>)
- h. Huda Adam Sirag Mekkia, Yasir Abdalgader Mohammedb, "The Impact of Coupling Signaling Protocols and Codecs Scheme in Achieving VoIP Quality", American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS), ISSN (Print) 2313-4410, ISSN (Online) 2313-4402, June 2017, pp. 192-199.
- i. Tasneem Hassan Ali Hassan, Yasir. A. Mohamed, "Intrusion Detection System Based on Artificial Neural Networks "International Journal of Computing Science and Information Technology 2017, Vol.5,07-12 ISSN: 2278-9669, January 2017 (Under publication process)
- j. Mohammed Elradi, Yasir Abdelgader Mohamed, "Artificial Neural Network Approach for Intrusion Detection", International Journal of Advanced Research in Science, Engineering and Technology, under publication (Volume 5, Issue 7, July 2018).
- k. Mutasim Elsadig Adam and Yasir Abdalgadir Ahmed Hamid, "A Two-Stage Assessment Approach for QoS in Internet of Things based on Fuzzy Logic" International Journal of Advanced Computer Science and Applications(ijacs), 13(4), 2022. <http://dx.doi.org/10.14569/IJACSA.2022.0130480>.
- l. Yasir A. Mohamed, Dina A. Salih, and Akbar Khanan, "An Approach to Improving Intrusion Detection System Performance Against Low Frequent Attacks, ", Journal of Advances in Information Technology, Vol. 14, No. 3, pp. 472-478, 2023.

- m. Adiel. M. A, Elsadig M.A, Abdelrahman Altigani, Yasir Mohamed, Babikir Eltigani, Salah Mohammed, Mohammed Suleiman, "Accuracy and Problems of Machine-Based Translation in Contrast to Human-Based Translation when Rendering Health Awareness Texts Versus Poetry Texts", *Academic Journal of Interdisciplinary Studies*, e Vol 12 No 4 July 2023.
 - n. Dina A. Salih, Yasir A. Mohamed, Mohamed Bashir.(2023). Enhancing Intrusion Detection System Performance Against Low Frequent Attacks Using Fc-Ann Algorithm, *Journal of Engineering Science and Technology*, Vol. 18, No. 5 (2023) 2411 - 2431.
 - o. Y. A. Mohamed, A. Khanan, M. Bashir, A. H. H. M. Mohamed, M. A. E. Adiel and M. A. Elsadig, "The Impact of Artificial Intelligence on Language Translation: A Review," in *IEEE Access*, vol. 12, pp. 25553-25579, 2024, doi: 10.1109/ACCESS.2024.3366802.
 - p. A. Khanan, Y. Abdelgadir Mohamed, A. H. H. M. Mohamed and M. Bashir, "From Bytes to Insights: A Systematic Literature Review on Unraveling IDS Datasets for Enhanced Cybersecurity Understanding," in *IEEE Access*, vol. 12, pp. 59289-59317, 2024, doi: 10.1109/ACCESS.2024.3392338.
 - q. Raed Awashreh¹, Ahmad Abo Eisheh, Yasir Mohamed, Salim Said Yousuf Al-Abdali, The Leading Role of the Ministry of Housing and Urban Planning in Monitoring the Implementation of the Urban Strategy, *Oman, Kurdish Studies*, 12(2), pp.3720-3733, Feb 2024.
- **Conferences**
- a. Mohamed, Yasir Abdelgadir; Abdullah, Azween B Immune-inspired framework for securing hybrid MANET, *IEEE Symposium on Industrial Electronics & Applications*, K.L, Malaysia, pp. 301-306, 2009.
 - b. Mohamed, Yasir Abdelgadir; Abdullah, Azween B., Securing Mobile Ad hoc Domain using Immune-Inspired Mechanism, *IEEE TENCON 2009*, Singapore, pp. 1-6.
 - c. Abdelgadir Mohamed, Yasir Abdullah, Azween B., Immune Inspired Framework for Ad Hoc Networks Security, *IEEE International Conference on Control and Automation*, 2009, Christchurch, pp. 297-302.
 - d. Yasir Mohamed, Azween Abdullah, Immunology Inspired Framework for Securing MANETs , *International Conference on Software Engineering and Computer Systems*, Malaysia, 2009.
 - e. Abdelgadir Mohamed, Yasir Abdullah, Azween B, Novel Immune-based Framework for Securing Ad hoc Networks, *ACM 25th Symposium On Applied Computing*, Switzerland, pp. 1950-1957, 2010.
 - f. Mohamed, Y.A., Abdullah, A.B., Security mechanism for MANETs , *International Conference on Network Applications, Protocols and Services*, UUM, Malaysia, 2008.
 - g. Mohamed, Y.A.; Abdullah, A.B., Biologically-inspired Model for MANETs, *International Symposium on High Capacity Optical Networks and Enabling Technologies*, 2008. HONET 2008, Penang Malaysia, pp. 187 - 191, 2008.
 - h. Mohamed, Y.A.; Abdullah, A.B., Biologically inspired architecture for securing hybrid mobile ad hoc networks, *International Conference on Innovations in Information Technology*, 2008(IIT 2008), UAE, pp.638-642, 2008.

- i. Abdelgadir, Yasir; Abdullah, Azween, A Bio-Inspired model for securing hybrid mobile ad hoc networks, International Symposium on Information Technology (ITSim 2008), Kuala Lumpur, MALAYSIA, pp. 1-6, 2008.
- j. Mohamed, Y.A.; Abdullah, A.B , Implementation of IDS with response for securing MANETs, IEEE International Symposium in Information Technology (ITSim 2010), Kuala Lumpur, MALAYSIA, pp. 660-665, 2010.
- k. Yasir A. Mohamed, Immune Inspired Security Approach for MANETs: A Case Study, Proceedings of The Fourth Global Conference On Power Control And Optimization. Aip Conference Proceedings, Volume 1337, Pp. 191-197 (ISI & Scopus indexed).
- l. Yasir A. Mohamed, "Biologically Inspired Protocol for Securing A class of Networks: Case Study", The 13 International Arab Conference on Information Technology **ACIT'12**, DEC 2012 ISSN 1812-0857, pp.401-408.
- m. Yasir A. Mohamed,"A novel Mechanism for Securing Cloud Computing", ACIT'2013 Proceedings (The International Arab Journal of Information Technology) <http://acit2k.org/ACIT/2013Proceedings/68.pdf>
- n. Eman Osman, yasir Mohamed , "Security in Virtual Private Networks: A review ",ACIT'2013 Proceedings (The International Arab Journal of Information Technology).
- o. Fadul Ibrahim, Yasir A. Mohamed, "Authentication Enhancement Using Mobile-Based Application", The International Arab Conference on Information Technology, pp. 1-8, December 2017.
- p. Mohamed Ali Ahmed and Yasir Abdelgader Mohamed, "Enhancing Intrusion Detection Using Statistical Functions", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.
- q. Reem Abdelrahman Ahmed Farah, Yasir Abdelgadir Mohamed, "Adaptive Immune-Based System For Network Security", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.
- r. Sawzan Elfatih Hussein Ibrahim, Yasser Abdelgader and Sally Dafaalla Awadalkarim Abualgasim A Model for Enhancing Nested Mobile Networks Performance", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.
- s. Salma Abd Elnabi, Yasir Abd Elgadir and Marwa Mekki Enhancing Sudanese E-Services Performance by Designing a Reliable and Robust National Network", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.
- t. Eman Hamza Abdallah Ahmed and Yasir Abdelgadir Mohamed, "Defense gainst Distributed Denial of Service Using IP Spoofing Detection", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.
- u. Nadia Mustafa Mohamed Alhaj and Yasir Abdelgadir Mohamed, "An Enhancement of Data Encryption Standards Algorithm(DES)", International Conference on Computer, Control, Electrical and Electronics Engineering, 14-16 August 2018, Corinthia Hotel, Khartoum- Sudan.

- v. Abdelmalik Yousif and Yasir abdelgadir Mohamed, "Design & Implementation of Android Security App Against Theft Using GPS & SMS, 6th Sudan Conference on Computer Science and Information Technology, Alzaeem Alazhari university, December 2018.
- w. IramTarig El. Jack Mohammed, Yasir Abdelgadir Mohamed, "A New system for User Authentication Using Android Application", International Conference on Computer, Control, Electrical, and Electronics Engineering 20, UMTS, Dec 2020.
- x. Mohamed, Y.A., Mohamed, A.O. (2023). An Approach to Enhance Quality of Services Aware Resource Allocation in Cloud Computing. In: Al-Emran, M., Al-Sharafi, M.A., Shaalan, K. (eds) International Conference on Information Systems and Intelligent Applications. ICISIA 2022. Lecture Notes in Networks and Systems, vol 550. Springer, Cham. https://doi.org/10.1007/978-3-031-16865-9_50.
- y. Saba Bashir Ahmed, Yasir Abdelgadir Mohamed, "An Approach for Software-Defined Networks Security", 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies, India , 05 - 07, April 2023.
- z. Yasir Abdelgadir Mohamed, Dina Abbasher Salih, Akbar Khanan Khanan, "An Approach to Improving Intrusion Detection System Performance Against Low Frequent Attacks", 6th International Conference on Software Engineering and Information Management, New Zealand on January 31-Feb 2, 2023.
- aa. S. Ibrahim and Y. Mohamed, "A Model for Enhancing Nested Mobile Nodes Performance," 2023 International Conference in Advances in Power, Signal, and Information Technology (APSIT), Bhubaneswar, India, 2023, pp. 411-418, doi: 10.1109/APSIT58554.2023.10201701.
- bb. Mutasim Elsadig Adam, Yasir Abdelgadir Mohamed, "A Purpose-based and AHP Model for Filtering and Selecting IoT Services", 8th International conference on Engineering Research (ICERI-2023) , 21st & 22nd SEPTEMBER 2023 , Mumbai, India and Innovations.
- cc. Y. A. Mohamed, "Mitigating Distributed Denial of Service Attacks Through IP Spoofing Detection," 2023 24th International Arab Conference on Information Technology (ACIT), Ajman, United Arab Emirates, 2023, pp. 1-9, doi: 10.1109/ACIT58888.2023.10453879
- dd. Yasir Abdelgader Mohamed , Mohamed Hashim , Mohamed Bashir, A Strategy to Mitigate ARP Spoofing Attacks on Hypervisors, International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024), Bhilai, India, 1 - 12, January 2024.
- **Researches have been supervised:**
 - a. Huda Osman Siraj, "The Impact of Coupling Signaling Protocols and Codecs Scheme in Achieving VoIP Quality", M.Sc. in Computer Engineering and Network (University of Gezira), 2015.
 - b. Sawsan Elfatih Hussein Ibrahim, "Improving nested mobile network performance", M.Sc. in Computer Engineering and Network (University of Gezira), 2015.
 - c. Amani Abdelrzag Mohammed Eldow, "Factors Impacting the Implementation of VoIP In Hybrid UMTS Network", M.Sc. in Computer Engineering and Network, 2015.

- d. Moaz Mahmoud Adam Mahmoud, "Design and Implementation for Piracy Protection Software", M.Sc. Network Security 2016.
- e. Alaa Abdelrahman, "Image Quality Enhancement Using Fusions by Wavelet Transform and Laplacian Pyramid Imperial", M.Sc. in Telecommunication (Future University), 2016.
- f. Tasneem Hassan Ali Hassan, "Intrusion Detection System Based on Artificial Neural Networks", M.Sc. in Telecommunication (Future University), 2016.
- g. Salma Ahmed Ibrahim, "Database Mirroring Approach for Availability and Disaster Recovery", Computer Science, 2015.
- h. Mohamed Abdelaziz, "A novel approach for data integrity protection in cloud", M.Sc. in Telecommunication (Future University), 2017.
- i. Abdelmalik Yousif Abdella Yagoub, "Design and Implementation of android Security App. Against Mobile Theft Using GPS and SMS", 2017.
- j. Waleed Mustafa Babiker, "Network Activity Monitoring (NAMS) for Security Purpose.", M.Sc. in Computer Science, Karary University, 2017.
- k. Safia Najih Nory Albadry, "Designing and Implementing a System to Contribute to Nutrition and Health", Alnilin University, 2015.
- l. Romaisa Ibrahim Alnaji Babiker, Classifying mammogram image using neural network and k-Nearest Neighbors, M.Sc. in Computer Computer Science (University of Gezira), 2016.
- m. Mai Shamaoun Ibrahim Shamaoun, "Classifying mammogram image using neural network and k-Nearest Neighbors", M.Sc. in Computer Computer Science (University of Gezira), 2016.
- n. Eman Osman AwadElkareem, "Designing an Expert System for Computer Faults Evaluation and Troubleshooting", M.Sc. in Computer Computer Science (University of Gezira), 2016.
- o. Mohammed Osman Mohammed Taha, "Electronically Managing the Educational Process and its Impact in Solving the Problems of Traditional Education", M.Sc. in Computer Computer Science (University of Gezira), 2016.
- p. Elhaj Alsaied Mohamed Ali, "Optimizing Energy Consumption in Wireless Sensor Networks using Clustering Algorithm", M.Sc. in Computer Computer Science (University of Gezira), 2015.
- q. Reem Abdelrahman Ahmed Farah, Adaptive Immune-Based System For Network Security,
- r. Mohamed Hashim Seed Ahmed , An Approach for Preventing Hypervisor's ARP Spoofing Attack, M.Sc. in Communications and Networking, Future University, 2018.
- s. Nadia Mustafa Mohamed, Enhancing Data Encryption Standard algorithm keys , University of Gezira, 2018.
- t. Ahmed M. O. A. Ashri, Wavelet Neural Network Based Ground Target Classification In Forward Scattering Radar, M.Sc. in Computer Science (University of Gezira), 2018.

- u. Mohamed Jalal Eldin Mahmoud Elimairi, "Multi Factors Authentication Approach for Enhancing ATM Security" M.Sc. in Communications and Networking, Future University, 2018.
- v. Mohamed Ali Ahmed, "Enhancing Intrusion Detection Using Statistical Functions", M.Sc. in Communications and Networking, Future University, 2018.
- w. Mohammed Elradi Ali Omer, "Artificial Neural Network Approach for Intrusion Detection", M.Sc. in Communications and Networking, Future University, 2018.
- x. Samar Abdelrazig, "Converting the Motion Language for Deaf and Dumb to Sound using Artificial Neural Networks", M.Sc. in Computer Science, Alnilin University, 2018.
- y. Salma Abd Elnabi, "Enhancing Sudanese E-Services Performance by Designing a Reliable and Robust National Network", M.Sc. in Computer Science, Alnilin University, 2018.
- z. Eman Hamza Abdallah Ahmed, "Defense against Distributed Denial of Service Using IP Spoofing Detection", M.Sc. in Communications and Networking, Future University, 2018.
- aa. Maab Mamoun Elyas Mohamed Ahmed, "Maintaining Power Consumption in Wireless Sensor Network (WSN)", M.Sc. in Communications and Networking, Future University, 2018.
- bb. Salma Hussein Mohammed saeed, "cc. Minimize Delay By Efficient Qos In Wireless Multimedia Sensor Network", M.Sc. in Computer Science, Future University, 2018.
- cc. Saleh, Ayah Abdul Ghaffar Ahmed, Yasir Abdelgadir Mohamed, "Healthcare E-Guide System using K-means Clustering Algorithm Case Study (Healthcare Centers in Khartoum-State)", 2018.
- dd. salma Hussein Mohammed saeed, Yasir A. Gadir Mohamed, "Minimize Delay By Efficient Qos In Wireless Multimedia Sensor Network; 2019.
- ee. Dina Abbasher Yagoub Yasir Abdelgadir, "Enhancing Intrusion Detection System Performance Against Low Frequent Attacks, Using FC-ANN Algorithm", University of Gezira 2021.
- ff. Namarig Mohamed, Yasir. Mohamed, "An Approach for Medical Image Classification Using CNN" Sudan University for Science and Technology, Mar 2021".
- gg. IramTarig El. Jack Mohammed, Yasir Abdelgadir Mohamed, "A New system for User Authentication Using Android Application", International Conference on Computer, Control, Electrical, and Electronics Engineering 20, UMTS, Dec 2020.
- hh. Fadul Ibrahim, Yasir A. Mohamed, "Authentication Enhancement Using Mobile-Based Application", The International Arab Conference on Information Technology, pp. 1-8, December 2017.
- ii. Mutasim Adam; Ph.D in computer science, Sudan University for Sciences and Technology, SUDAN, ongoing research.
- jj. Diaeldin Mohamed, Ph.D in Computer Engineering, University of Gezira, SUDAN, Ongoing research.

- kk. Ahmed Hamed Hamid Al Rahbi Master of Business Administration (leadership), ASU, Ongoing reseach.
- ll. Buthaina Hassan Abdullah Al-Hasani Master in Business Administration; ASU, Ongoing reseach.
- mm. Ahmed Khamis Mohammed Al Kasbi Master in Business Administration; ASU, Ongoing reseach.
- nn. Ahmed Habata Bakhit Al Shashai Master in Business Administration;
- oo. Ahmed Mohammed Salim Al Mahdali Master in Business Administration ASU, Ongoing reseach.

17. Training:

- 1) Advance networking course, APTECH, New Delhi, INDIA, 2006.
- 2) Cisco Certified Network Associate Workshop, Info park institute, New Delhi, INDIA, 2006.
- 3) Latex training, UTP, MALAYSIA, march 2010.
- 4) Mat lab training, Universiti Teknologi PETRONAS, May 2010.
- 5) Advanced International Computer Driving License (Expert ICDL), Jordan, Dec 2011.
- 6) ICDL project planning course, 2016
- 7) Certified Training professional, Rabat- Morocco, Jordan, 2017.
- 8) ICDL Digital Marketing course, 2021.

18. Exhibitions

ITEX '10 - International Invention, Innovation and Technology Exhibition

19. Honors

- a. Networking consultant, DIS, Khartoum, SUDAN.
- b. Oct 2008- Aug 2010: Research officer, Research Enterprise Office, Universiti Teknologi PETRONAS.
- c. Got ITEX Bronze Medal for the invention "Mobile Kiwi" in 21st International Invention, Innovation & Technology Exhibition ITEX 2010, K.L Malaysia
- d. Got a Filing number for patenting a protocol for securing MANETs.
- e. Member In many Ministry of High education committees.

20. Workshops

- a. OPNET and NS2 workshop, UUM, Alor star, MALAYSIA, 2008
- b. NS2 workshop, Kuala Lumpur, MALAYSIA, 2010.

21. Some taught courses

- a. Digital circuits' analysis.
- b. C++ for programming.
- c. Digital System design.
- d. Data communication.

- e. Microprocessors design.
 - f. Introduction to Electrical and Computer Engineering
 - g. Engineering Electronics.
 - h. Introduction to Computer Sciences.
 - i. Artificial Neural Networks.
 - j. Artificial Intelligence.
 - k. Internet Techniques.
 - l. Networks Programming.
 - m. Advanced Computer Networks.
 - n. Cryptography and Network Security.
 - o. Wireless Network Security.
 - p. Management of Information Systems.
 - q. Advanced Operating Systems.
 - r. Knowledge, Logic and Reasoning Systems.
 - s. Network Management and Design.
 - t. Network Administration Methods.
22. Language Skills: Arabic (native), English (fluent).