CURRICULUM VITAE

Personal Information

Full Name	Ibrahim Ali Mohamed Almerhag
Date of Birth	May 7th, 1963
Address for correspondence	University of Tripoli, Tripoli-Libya.
Current post	Dean, Faculty of Info. Technology University of Tripoli, Tripoli-Libya.
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Education

PhD (Dec. 2006)	School of informatics, University of Bradford, UK. Thesis title: "***Network Security as a Quality of Service Routing Problem.***"
MBA (Dec. 2002)	School of management, University of Bradford, UK. Dissertation title: ***"Designing Web-Based Courses to Deliver Undergraduate Modules Using eLearning Techniques."***
MSc. (May. 1997)	Faculty of Electronics and Information Technology, Warsaw University of Technology, Poland. Dissertation title: ***"Rule Based Timetabling of Lectures."***
BSc. (Fall 1985)	Faculty of Engineering, University of Garyounis, Benghazi - Libya. Project title: ***"Microcomputer Interfacing Home Security System."***

Employment

- Professor, Faculty of Information Technology, University of Tripoli, Tripoli- Libya, Feb. 2018.
- Associate professor, Faculty of Information Technology, University of Tripoli, Tripoli-Libya, Feb. 2014 to Jan 2018.
- Assistant professor, Faculty of Information Technology, University of Tripoli, Tripoli-Libya, Nov. 2011 to Jan 2014.
- Assistant professor, Faculty of Engineering, Nasser International University, Trhoona-Libya, Feb. 2010 to Oct. 2011.

- Lecturer, Faculty of Engineering, University of Azzaytona, Trhoona-Libya, Feb. 2007 to Jan. 2010.
- Visiting professor (part-time), Computer Science Department, Academy of graduate studies, Tripoli-Libya, Feb. 2007 to date.
- Teaching assistant (part-time), University of Bradford, cybernetics department between 2003 and 2005.
- Assistant Lecturer, Faculty of Engineering and Technology, Electronics and Computer Engineering department Brack - Libya, between 1997 and 2001.
- Demonstrator (TA) at the Computer Science department, University of Sebha, Libya between 1987 and 1993.

Academic Experiences

Teaching experiences

- Graduate courses:

    Artificial intelligence, Data communications and computer networks, Cryptography and information security.

- Undergraduate courses

    Digital circuits, Digital systems, Data structures, Introduction to artificial intelligence, Data communication, Cryptography & information security, Mini/Microcomputer systems, Database management systems, Numerical methods, Network design & management, Computer networks.

Research experiences

- Editor-in-Chief of the MJAR journal (www.mjar.ly)
- Reviewer of a number journals and conference papers.
- Supervisor of a number of M.Sc. theses.

Training/Workshops

- Fulbright visiting scholar program for Libya 2014.
- English as a Second Language (ESL) teacher workshop, in association with the US embassy Tripoli – Libya.
- Strategic management course. Organized by the university of Tripoli research, consulting and training center.
- External Auditor Training Workshop, center for quality assurance and accreditation Tripoli-Libya in association with the Arab league.
- Auditor training Workshop, center for quality assurance and accreditation Tripoli- Libya.
- Workshop for master trainers, ministry of higher education in association with UNESCO, Tripoli-Libya.

- The second Libyan Tunisian workshop on IT, Baniwalid-Libya.
- The first Libyan Tunisian workshop on IT, Baniwalid-Libya.
- Cisco Certified Network Associate (CCNA), Higher institute of computer technology, Tripoli.
- Graduate Teaching Assistants (GTA) workshop for class tutors and demonstrators in informatics and engineering, University of Bradford.

Administrative Experiences

- Dean, faculty of information technology, University of Tripoli, Jan. 2022 to date.
- Vice-Dean for scientific affairs, faculty of information technology, University of Tripoli, Sep. 2021 to Jan. 2022.
- Managing director of the information and documentation center of the university of Tripoli, March 2017 to Aug 2018.
- Member of the Committee for reviewing the ethics of scientific research document of the University of Tripoli.
- President of the committee for curriculum development, faculty of information technology, University of Tripoli, Feb 2013 to Oct 2013.
- Head of teaching staff affairs office, faculty of information technology, University of Tripoli May 2012 to March 2014.
- Head of quality assurance and performance evaluation office, faculty of information technology, University of Tripoli March 2014 to March 2017.
- Head of computer networking department, faculty of information technology, University of Tripoli, April 2015 to March 2017.
- Head of computer engineering department, faculty of engineering, University of Azzaytona, Trhoona-Libya, October 2008 to October 2011.
- Member of the publication and translation committee, University of Azzaytona, Trhoona-Libya.
- Member of the academic affairs committee, University of Azzaytona, Trhoona-Libya.
- Member of the committee for curriculum development, faculty of engineering and technology, Brack-Libya.
- President of the Libyan students' society at the University of Bradford, UK.

Publications

Journal papers:

1. I. Almerhag and O. Alkabashi, "*Changing Classroom-Based Course Material to an Online Course*", University Bulletin by the Center of Research and Scientific Consultancy of Zawia University, Vol. 4, Issue: 21, pp. 39–56, June 2019.

2. F. Aljadi, I. Almerhag, and F. Eljadi, "*Enhancement of Grain-128 Using Variable Feedback Polynomials of Linear Feedback Shift Register*", Journal of Computational and Theoretical Nanoscience. Vol. 16, Number: 3, pp. 889–896, March 2019.

3. I. Almerhag and A. Ganoun, *"Different Approaches to Classify Network Routing Protocols"*, Almadar Journal for Communications, Information Technology, and Applications. Vol. 05, Issue: 01, pp 7-13, June 2018.

4. A. Almarimi, I. Almerhag and F.A. Ali, *"Developing a Cryptosystem for Multimedia Data"*, International Journal of Applied Mathematics, Electronics and Computers, Vol. 3, Issue: 4, pp 223-225, 2015.

5. A. Ganoun and I. Almerhag, *"Performance Analysis of Spoken Arabic Digits Recognition Techniques"*, Journal of Electronic Science and Technology, Vol. 10, Issue: 2, pp 153-157, June 2012.

Chapter in a book:

6. I. Almerhag, "Routing based on security" in S. Sadkhan and N. Abbas (ed.) Multidisciplinary Perspectives in Cryptology and Information Security, IGI global, March 2014.

Conference papers:

7. F. M. Aljadi, I. Almerhag, F. M. Aljadi, and I. F. Al-Shaikhli, "*Enhancement of Grain-128 using variable feedback polynomials of LFSR*", in ACSAT2018: Proceedings of the 6th International Conference on Advanced Computer Science Applications and Technologies, Langkawi-Malaysia, December 2018.

8. N. Aboalgasm, I. Almerhag and A. Daeri, *"Effect of Channel Multipath Fading and Node Trajectory on VoIP QoS in WiMAX Networks."*, in LICEET2018: Proceedings of the Libyan International Conference on Electrical Engineering and Technology, National Board for Technical and Vocational Education, March 2018.

9. I. Almerhag and N. Aboalgasem,*"The Effect of Mobility on the Performance of VOIP Application in WiMax Networks"*, in CIT2017: Proceedings of the 1st Conference of Industrial Technology, Misurata, Libya, May 2017.

10. ابراهيم علي المرهاق وسندس محمد الشريف ، "توليف النص العربي الى كلام منطوق عالي الجودة" ، في كتيب: مؤتمر التقنية الصناعية الاول ، مصراته ، ليبيا ، مايو 2017.

11. A. Ashtaiwi, A. Saoud and I. Almerhag, *"Performance Evaluation of VANETS Routing Protocols"*, in ICAITA2014: Proceedings of the 3rd International Conference on Advanced Information Technologies & Application, Dubai, UAE, November 2014.

12. A. Almarimi, F. Abdelaziz and I. Almerhag, *"Simulating Routing Protocols Performance Using Ns-Allinone Tool"*, in DINWC2014: Proceedings of the International Conference on Digital Information, Networking, and Wireless Communications, pp 93-97, Ostrava-Czech, June 2014.

13. I. Almerhag and A. Alfathi, *"An Uplink Scheduling Mechanism for WiMax Networks"*, in HCITISI2012: Proceedings of the First Argentine Conference on Human-Computer

Interaction, Telecommunications, Informatics and Scientific Information, Córdoba-Argentina, pp 7- 15, November 2012.

14. عبدالسلام الشريف وابراهيم المرهاق ، " آفاق استخدام البرمجيات الحره في تطبيق الحكومة الالكترونية الليبية" ، المؤتمر الليبي الدولي حول الحكومة الالكترونية 2012 ، طرابلس يوليو 2012.

15. I. Almerhag, I. El-Feghi and A. Dulla *"A Modified K-Means Clustering Algorithm for Gray Image"*, in ACIT2010: Proceedings of the 11th International Arab Conference on Information Technology, (Benghazi –Libya), December. 2010.

16. I. Almerhag, A. Almarimi, A. Goweder and A. Elbekai, *"Network Security for QoS Routing Metrics"*, in ICCCE10: Proceedings of the International Conference on Computer and Communication Engineering 2010, Kuala Lumpur, Malaysia, May 2010.

17. A. A. Almarimi and I. Almerhag, *"A Hybrid Cryptosystem Approach for XML Documents"*, in Proceedings of the IADIS International Conference Informatics 2009, (Algarve-Portugal), pp. 146-149, June 2009.

18. ابراهيم المرهاق و عبدالباسط قويدر وعبدالسلام المريمي ، " ميكنة إعداد الجداول الدراسية " ، المؤتمر الوطني الثالث للعلوم الاساسية ، جامعة الجبل الغربي – غريان ، 25-27 ابريل 2009.

19. Almarimi, A. Kumar, I. Almerhag and N. Elzoghbi, *"A New Approach for Data Encryption Using Genetic Algorithms"*, in ACIT2008: Proceedings of the 9th International Arab Conference on Information Technology, Hammamet Tunisia, December 2008.

20. Goweder, I. Almerhag and A. Elnakoa, *"Arabic Broken Plural Recognition using a Machine Translation Technique"*, in ACIT2008: Proceedings of the 9th International Arab Conference on Information Technology, Hammamet Tunisia, December. 2008.

21. I.A. Almerhag and M. E. Woodward, *"Security as a Quality of Service Routing Problem"* in CoNEXT05: Proceedings of the 2005 ACM conference on Emerging network experiment and technology, Toulouse- France, pp. 222–223, ACM Press, New York, NY, USA, 2005.

22. I.A. Almerhag and M.E. Woodward, *"Quality of service routing metrics based on selected aspects of network security"* in HETNET05: Proceedings of the fourth conference on Performance Modeling and Evaluation of Heterogeneous Networks, Ilkley -UK, July 2005.

23. I.A. Almerhag and M.E. Woodward, *"Security based internetwork routing"* Get your message across, a poster competition, University of Leeds,UK, May 2005.

24. I.A. Almerhag and M.E. Woodward, *"Key length as a routing metric"* in Proceeding of the sixth informatics workshop for research students, Bradford-UK, p. 23- 24, March 2005.

25. E.B.M. Mustafa, I.A. Almerhag and M. Woodward, *"Graph theory for network modeling"* in Proceeding of the sixth informatics workshop for research students, Bradford-UK, p. 131-134, March 2005.

26. I.A. Almerhag and M.E. Woodward, *"Security as a quality of service routing issue: towards defining a security metric."* in Proceeding of the fifth informatics workshop for research students, Bradford-UK, p. 7-8, March 2004.

Interests

- Computer networks.
- Cybersecurity.
- Relational Databases.
- Quality assurance in higher education.

Skills

- Languages: Arabic (native), English (fluent), Polish (basic).
- Qualified external auditor.
- Interpersonal Abilities.
- Teamwork.
- Adaptability/Flexibility.