CURRICULUM VITAE

Full Name: Abdullatif S. Khrwat

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Personal Profile	Male / 62 Years / Married / Citizen of Libya / Very good English skills / Willing to work hard

EDUCATION

Degree	Specialization	Institution	Year
PhD	Communications and Signal Processing	Newcastle University United Kingdom	2006-2010
M.Sc	Communications and Signal Processing	Newcastle University United Kingdom	2001-2002
B.Sc	Electrical and Electronic Engineering	Tripoli University Libya	1979-1984

EXPERIENCE

Position	Organization	Period
Professor / Director of Graduate Studies Office	Faculty of Engineering, University of Gharyan	**2018-Now**
Associate Professor / Dean of the faculty of Engineering	Faculty of Engineering, University of Gharyan	**2015-2018**
Assistant Professor / Head of Electrical and Electronic Engineering Department	Faculty of Engineering, Al Jabal Al Gharbi University, Libya	**2010-2015**
Demonstrator	Newcastle University	**2009-2010**
Lecturer / Head of study and Examinations Office	Faculty of Engineering, Al Jabal Al Gharbi University, Libya	**2003-2006**
Head of Regional Telecommunication Area "Gharyan "	General Post and Telecommunication Company / Libya	**1997-2001**
Head of O& M centre	General Post and Telecommunication Company / Libya	**1995-1997**
Head of Digital Exchanges Department	General Post and Telecommunication Company / Libya	**1993-1995**
Telecommunication Engineer	General Post and Telecommunication co.	**1986-1993**

AWARDS / CERTIFICATES

- Operation and Maintenance Specialist for Siemens digital Exchanges Siemens Training

Centre / Munich / Germany 1995
• International Education Scholarship awarded for Master's Degree Program by the Libyan Government
• International Education Scholarship awarded for Doctorate Degree Program by the Libyan Government

SKILLS IN COMPUTER APPLICATIONS

Platforms	Windows 7, Windows 8 and 10
Application	MatLab / C++
Others	MS Office / LATEX

TEACHING EXPERIENCE

Subject	Course level	Institution
Electrical Circuits (EE202)	B.Sc Eng.	University Of Gharyan
Signals and Systems (EE313)	B.Sc Eng.	University Of Gharyan
Communication engineering I (EE315)	B.Sc Eng.	University Of Gharyan
Digital Communication (EECM415)	B.Sc Eng.	University Of Gharyan
Communication Systems I (EECM515)	B.Sc Eng.	University Of Gharyan
Communication Systems II (EECM525)	B.Sc Eng.	University Of Gharyan
Communication Laboratory I (EECM411)	B.Sc Eng.	University Of Gharyan
Digital Communication Lab. II (EECM511)	B.Sc Eng.	University Of Gharyan
Communication Systems II (EE526)	B.Sc Eng.	Tripoli University
Mobile Communications (EE527)	B.Sc Eng.	University Of Gharyan
Information Theory and Coding (EE521)	B.Sc Eng.	University Of Gharyan
Random Variables & Stochastic Process (EE601)	M.Sc Eng.	University Of Gharyan
Telecommunication Switching & Networks (EE603)	M.Sc Eng.	University Of Gharyan
Digital Signal Processing (EE602)	M.Sc Eng.	University Of Gharyan
Communication Systems Design I (EE626)	M.Sc Eng.	Tripoli University

AREA OF INTEREST

- Digital communications
- Digital Signal Processing
- MIMO Communication systems
- Precoding in MIMO and MIMO-OFDM Systems

SELECTED PUBLICATIONS

1. A. S. Khrwat, B. S. Sharif and C. C. Tsimenidis, "Reduced complexity and improved performance receiver for downlink MIMO MC-CDMA systems," in Proc. 3rd International Symposium on Communication, Control, and Signal Processing, ISCCSP 2008, art. No. 4537482, pp. 1596-1599.
2. A. S. Khrwat, B. S. Sharif, C. C. Tsimenidis, S. Boussakta, and S. Y. Le Goff, "Feedback delay in precoded spatial multiplexing MIMO systems," in Proc. IEEE 19th PIMRC2008, Cannes,

France, 15-8 Sept. 2008

3. A. S. Khrwat, B. S. Sharif, C. C. Tsimenidis, S. Boussakta, "Precoded spatial multiplexing MIMO systems in the Presence of feedback delay using Kalman filter," in Proc. IEEE ICC2009, Dresden, Germany, 14-18 June 2009.
4. A. S. Khrwat, B. S. Sharif, C. C. Tsimenidis, S. Boussakta, "Channel prediction for limited feedback precoded MIMO-OFDM systems," in Proc. 9th IEEE Inter. Sym. on Signal Proc. and Inform. Tech., ISSPIT 2009, pp. 195-200.
5. A. S. Khrwat, "Channel prediction for limited feedback precoded MIMO-OFDM systems," in Proc. Proceedings of the 19th International conference on telecommunications, ICT 2012, Jounieh, Lebanon, 23-25 April 2012 .
6. A. S. Khrwat, "Precoded Spatial Multiplexing MIMO Systems in Time- Varying Fading Channel," Journal of Communications, vol.9, no.2, pp 118-125, 2014.
7. O. O. Aldawibi and A.S. Khrwat, "Review of DSDV routing protocol for Ad Hoc Underwater Acoustic Networks ," Journal of Applied science, vol.25, no.1, pp 148-153, 2014.
8. L. M. Daloub and A.S. Khrwat, " FACTS Deviices Modelling in Real-Time Dynamic Control of Power systems," in Proc. 16th IEEE International conference on Science and Techniques of Automatic Control & Computer Engineering, STA'2015, Monastir, Tunisia, 21-23 December 2015.
9. S. E. Ghrare. M. Alauddin and A. Khrwat, " Development of Near Lossless Coding Algorithm for Medical Images using Grayscale and Binary Matrices," Aljabal Journal for Applied Science and Humanities, vol.2, no.1, pp 44-56, 2018.
10. O. O. Aldawibi, S. F., Alahmar, A. S. Khrwat, "Performance Assessment on Backoff Contention Window for MANETs in Congested Area and Random Movement," IEEE 1st International Maghreb Conference on Sciences and Techniques of Automatic Control and Computer Engineering, MI-STA 2021 - Proceedings, 2021, pp. 762–766.
11. A. S. Khrwat, M. H. Omar, S. E. Ghrare, "Channel Estimation for massive Multiple-input Multiple-output Systems in time-Varying Rayleigh Fading Channels," Gharyan University Journal, vol. 21, pp 323-336, 2021.