C.V.

Dr Ali A. Eyadeh
Associate Professor of Electrical Engineering/Telecommunications
Telecommunication Engineering Department
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	Degree	Year, University, Country	Dissertation Title	Emphasis
Education	**Ph.D**	1997, University of Wales Swansea, UK	Synchronization Techniques for an OFDM-Based Indoor Wireless Data Communication System	Data communications
	M.Sc.	1995, University of Wales Swansea, UK	Cordless Data Communication in a Hospital Environment	Data Communications
	B.Sc. & Diploma	1986, Technical University of IASI, Romania	Controlling Telephone Switches using Z-80	Telecom Design
			Major: Diploma in Telecommunication Engineering	Telecom/Wireless

	Title	Institution	Duties	Date
Professional Experience	Associate Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Vice Dean	Sep. 2018-present
	Associate Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Faculty Member	2016-2018
	Associate Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Head of Communication Eng. Dept.	2014-2016
	Associate Professor	Faculty of Electrical Eng. Al-Jouf University, Saudi Arabia	Faculty Member	2009-2014
	Associate Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Head of Communication Eng. Dept.	2007-2009
	Assistant Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Faculty Member	2005-2007

	Assistant Professor	Ajman University of Science and Technology, Abu-Dhabi Campus, UAE.	Faculty Member	2002-2005
	Assistant Professor	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Faculty Member	1997-2002
	Rsearch Engineer	EE Department, University of Wales Swansea, UK	Higher Education for **M.phil**. & **Ph.D.**	1993-1997
	Teaching & Research Assitant	Hijjawi Faculty for Eng. Techn.-Yarmouk University-Irbid-Jordan	Research Engineer	1990-1993

Research Interests	Synchronization in Digital Communication Systems, OFDM, Data Compression, Communication Networks.

Publications	**In International Journals and Conferences**
	1. Bassam Harb, Ahmad Al-Ajluni and **Ali Eyadeh**, "A Collocation-Based Algorithm For Analyzing Bifurcations in Phase Locked Loops with Tanlock and Sawtooth Phase Detectors" **"** *Mathematical Problems in Engineering Journal*, Vol. 2018, Article ID 8532546, https://doi.org/10.1155/2018/8532546.
	2. **Ali A. Eyadeh,** Mohammad Bani Amera **"**Ferry–Based Directional Forwarding Mechanism for Improved Network Life-Time in Cluster-Based Wireless Sensor Network" *International Journal of Communication Networks and Information Security*, Vol. 10, No. 2, 2018.
	3. Isra Aljarrah, Haythem Bany Salama, **Ali Eyadeh, "**Adaptive Quorum-based Channel-Hopping Distributed Coordination Scheme for Cognitive Radio Networks**",** The 10th Jordan International Electrical and Electronics Engineering Conference (JIEEEC), Amman , Jordan, 16-17 May, 2017**.**
	4. **Ali Eyadeh**, Mohammad Jarrah, Ahmad Aljumaili, "Performances Limits of IEEE 802.11 Point Coordination Funcion**"** Accepted for publication in the Journal of Communications, 2018.
	5. Mohammad Al-Taani, **Ali A. Eyadeh,** " Performance Analysis of Switch and Stay Combining Diversity System over $\alpha - \eta - \mu$ Fading Channels**",** Submitted for publication in the IET – Communications Journal, 2018.
	6. **Ali A. Eyadeh,** Mohammad al-Nairat, **"**Discrete OFDM-Based Channel Assignment Scheme for Agile Networks" Submitted for publication in the International Journal on Electrical Engineering and Informatics, 2017.
	7. **Ali A. Eyadeh,** "Performance Study of OFDM and WPOFDM Systems in Flat Fading and Frequency Selective Fading Channels" Accepted for publication in IISTE-Journal of Information Engineering and Applications, 2017.
	8. **Ali A. Eyadeh,** "Performance of Frame Synchronization Symbols for an OFDM System in Dispersive Channels", Proceedings of the 2014 International Conference on Circuits, Systems, Signal Processing, Communications and Computers (CSSCC'2014), pp. 218-221, Venice, Italy, 2014.
	9. **A. Eyadeh**, "FECG Extraction Using LMS-Based Adaptive Noise Canceling Approach", *Journal of Active and Passive Electronic Devices*, Vol. 8, No. 2-3, pp. 183-191, USA, 2013

	10. S. Abu-Ghazleh, **Ali Eyadeh**, I. Al-kofahi, Q. Quran, "Theoretical and Experimental Investigation of Fiber Loss and Dispersion Effects in Optical Networks", *Journal of Electron Devices*, Vol. 18, pp. 1524-1530, 2013.
	11. A. F. Al-Ajlouni, **A. Eyadeh,** "Price Volatility Forecasting using Artificial Neural Networks in Emerging Electricity Markets", *International Journal of Power and Energy Conversion (IJPEC)* , Vol. 3, No. 3-4, pp. 157-183, USA, 2012.
	12. I. A. Altawil, H. Y. Yamin, A. F. Al-Ajlouni, **A. Eyadeh**, "Novel Educational Approach to Enhance Conventional Teaching Methodology of Power Electronics using Matlab/Simulink," *International Journal of Innovation and Learning, (IJIL),* Vol. 7, No. 2, pp. 187-201(15), UK, 2010.
	13. **Ali Eyadeh**, "Frame Synchronization Symbols for an OFDM System," *International Journal of Communications*, Issue 1, Vol. 2, pp. 126-134, USA, 2008
	14. **Ali Eyadeh** and S. Abu-Ghazleh, "Performance Evaluation of a Wavelet-Based ECG Signal Compression Algorithm," *International Journal of Modelling and Simulation*, Vol. 28, Issue 4, pp. 403-409, *ACTA Press Journals,* Canada, 2008.
	15. **Ali Eyadeh**, "Performance of Frame Synchronization Symbols for an OFDM-Based Wireless Data Communication System," *7th WSEAS International Conference on Data Networks, Communications, Computers (DNCOCO '08)*, Bucharest, Romania, 2008.
	16. **Ali Eyadeh**, Ahmad Al-Ajlouni and B. Rajoub, "A Hybrid ECG Signal Compression Algorithm Using the Wavelet Transform," *AMSE Advances in Modelling and Analysis Journal, Series B,* Vol. 46, No. 6, pp. 43-54, France, 2003.
	17. **Ali Eyadeh** and Basel Al-Eideh, "Clock Synchronisation in Digital Communication Systems Using Maximum Likelihood Estimation", *International Mathematical Journal,* Vol. 2, No. 4, pp. 325-330, Japan, 2002.
	18. **Ali Eyadeh** and Ahmad Al-Ajlouni "Computer Systems in the Jordanian Public Sectors an Economic and Logistic Point of View", *Proceeding International AMSE Conference "Business, Decision and Technology, BDT02,* Vol.1, pp. 183-195, Kuwait, March 18-20, 2002.
	19. **Ali Eyadeh**, "Cordless Data Acquisition in the Hospital Environment", *4th International Wireless and Telecommunications Symposium/Exhibition.* Shah Alam, Malaysia, 15-19 May 2000.
	20. **Ali Eyadeh**, Phil Nobles, F. Halsall and T. Davies, "Frame Synchronisation for an OFDM-Based Indoor Wireless Data Transmission System", *Wireless' 97,* Calgary, Alberta, Canada, 9-11 July 1997.
	21. **Ali Eyadeh**, Phil Nobles, F. Halsall and T. Davies, "OFDM Fine Time Synchronisation for Indoor Wireless Data Communications", *IEE Colloquium on Wireless Technology,* London, UK, 14th Nov., 1996.

Professional Training & Skills	**Computer Skills**	**1.** Windows (2010 & 2007 & NT & XP). Microsoft Office (XP & 2007). Photoshop, GStools, Acrobat (reader/distiller), Internet, Web design etc. **2.** The TEX, LaTeX Publishing Software for Journals, Books and Reports (All formats and operating systems: Dos & Unix 2.09.2e, Miktex, Winedit etc). **3.** FORTRAN, C, C++, ASSEMBLEY, UNIX, Matlab.

Language Skills	1. Arabic (Native Language) 2. English- Proficient in written and spoken 3. Romanian- V. Good working knowledge in written & spoken

	No. of Students	Titles of Dissertations
Postgraduate Supervision	6	1. Synchronization Scheme for Mobile WI/MAX, MSc. 2009. 2. Discrete OFDM-based channel assignment scheme for agile networks, MSc. 2015. 3. Ferry-based directional forwarding mechanism for improved network life-time in cluster-based wireless sensor network, MSc. 2015. 4. Adaptive quorum-based channel-hopping distributed coordination scheme for cognitive radio networks, MSc.2015. 5. Performances limits of IEEE 802.11 point coordination function, MSc. 2015. 6. Performance Analysis of Switch and Stay Combining Diversity System over α-η-μ Fading Channels, MSc. 2016

Grants & Awards	1. A scholarship for higher education (MPhil and PhD in UK) granted from Yarmouk University-Irbid-Jordan, 1993-1997.

Membership of Societies, Boards & Committees	1. Organizing Committee Member:WCASET-2019,Jakarta,Indonesia 2. Editorial board member, International Journal of Electronics, Communication and Instrumentation Engineering Research and Development (IJECIERD) 3. Member of Jordan Engineers Association (JEA) since 1989. 4. Member of the ABBET Committee for Accreditation, Yarmouk University 2007-2009**,** 2014-2016**.** 5. Member of the Yarmouk University Council, 1999/2000 6. Member of the Hijjawi Faculty Council**,** 2000/2001, 2005/2006, 2007-2009 and 2014-2016. 7. Member of the Committee for Monitoring and Advising of student affairs. 8. Member of the Committee for Curriculum Development and Examinations. 9. Member of the Scientific Research Committee. 10. Member of examination board for engineers 11. Final projects supervisor

Teaching Experience	**Graduate Level**	1. Advanced Digital Communications 2. Spread Spectrum Techniques 3. Computer Networks
	Undergraduate level	1. Digital Communications 2. Data Communications 3. Communication Systems 4. Mobile Communications 5. Computer Networks 6. Electric Circuits 7. Digital Logic Design 8. Microprocessor 9. Digital Signal Processing 10. Engineering Math. 11. Antenna and Wave propagation 12. Microwave Systems 13. Electromagnetics 14. Communication Electronics

References	1. Prof. Ahmad Al-Ajluni, Vice Presedent, Yarmouk University, Irbid, Jordan. E-mail: Al-Ajlouni@yu.edu.jo 2. Prof. Bassam Harb, Dean, Al-Ain University, Al-Ain, UAE. E-mail: : bharb@yu.edu.jo 3. Prof. Ahmad Al-Shamali, Dean, Hijjawi Faculty for Engineering Technology, Irbid Jordan. E-mail: ashamali@yu.edu.jo