Khaled M. Gharaibeh

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CAREER SUMMARY

I possess about 16 years of progressive experience in the academic field. I have been a Professor of Engineering since Jan 2017. My professional history includes positions such as Vice President for Academic Affairs, President Advisor for Academic Affairs, Dean of Engineering, Head of Department, Head of International Relations and Assistant Dean at a number of academic institutions. My responsibilities in these positions included strategic planning, development, management and quality assurance of academic programs, building partnerships with industries, building academic relations with international universities, and development of academic policies. The work I have done in these positions has resulted in acquiring funding for research projects, international agreements for student and staff exchange projects with international universities, international project funding, attracting industrial partnerships, and obtaining accreditation of academic programs. My involvement with the Jordan higher education accreditation commission has contributed to enhancing my skills in development of QA standards for higher Education, National Qualification Frameworks (NQF) and outcome-based curriculum design. On the other hand, my interaction with foreign academic systems through my education and my involvement in externally funded project have also contributed to my ability to work with diverse cultures and nationalities, to adapt to change and to adapt to teaching and leadership approaches to meet the expectations of any institution I work for.

EXPERIENCE WITH TECH NICAL EDUCATION

My experience with technical education comes from my involvement in building industry oriented programs using demand based approach which I gained through my involvement in EU funded projects. My achievements in this area include reforming the Master program at the Hijjawi faculty for Engineering Technology- Yarmouk University, conducting market analyses and building capacity in applied learning (See my publication list). On the other hand, my involvement in the development of the Jordan National Qualification framework with the higher education accreditation commission has provide me with exposure to the qualification system in Jordan and the ways of linking higher education to the needs of industry including development of qualification descriptors, program design approaches, and quality assurance of technical education programs. A third dimension to my experience in technical education, was through my membership of the board of trustees of Alhussein Technical University (HTU) which provided me with exposure to the best practices in strategic planning, implementation, and management of technical education. Given these experiences, I am confident that I can provide vision and leadership for development and implementation of technical education programs with high academic standards and using experiences from best international practices.

RESEARCH AND FUNDING

My research interests include a number of research areas within electrical engineering which include Behavioral Modeling of RF and Microwave Circuits, Digital Baseband Predistortion, Nonlinear System Identification, Data fusion in Wireless Sensor Networks, Engineering education and industry-oriented curriculum development, Telemedicine and Remote Health Monitoring Systems and Cyber security in smart grids. I have published more than 40 research articles, one book and one book chapter in my field of research. In addition, I have also published a number of technical reports on various subjects related to curriculum development and quality assurance of engineering programs.

With regard to research funding, , I was the first grant-holder and coordinator of a Tempus Project in Jordan which was titled "*Industry Oriented Master Program in Telecommunications Engineering-Towards an EU Approach*", 2010-2014. The project aimed at the development of Outcome-Based curricula based on market demand and development of QA guidelines of academic programs including development of QC information system for measurement of achievement of learning outcomes. In addition, I have acquired external funding for five other research projects as a Co-PI. I have also led the applied research in the faculty of engineering at YU which resulted in obtaining funding for two applied research projects on autonomous cars and smart building technology. I have also been involved in development of a research strategy at the faculty of engineering which resulted in a number of funded projects for the academic staff of the faculty. I have had a good exposure to the latest technological developments given my field of research and my international activities through participating and attending a number of professional development activities. I have also been reviewer of a number of international journals and organized a number of research conferences, workshops and research meetings. In my current position as Vice President for Academic Affairs, I have been responsible for developing and implementing the research strategy of the University and also building international partnerships for research collaboration.

QUALITY ASSURANCE ACTIVITIES AND EXPERIENCE

I have also been involved in a number of QA activities at Applied Science University-Bahrain, Yarmouk University and the Jordan Higher Education Accreditation Commission. These include overseeing the internal and external quality review and processes which resulted in achieving successful institutional and program reviews as well as placement of academic programs in the NQF of Bahrain, chairing of the technical committee for the development of National Qualification Framework (NQF) for Jordan-the Higher Education Accreditation Commission (since March 2017) which resulted in adoption of the NQF proposal by the government of Jordan, quality review of Oman College of Management and Technology, Muscat, Oman, 2018, participating in quality review of a number of engineering programs in Jordan through the Higher Education Accreditation Commission, developing QA standards and Competence Exams at the Higher Education Accreditation Commission, 2018. On the other hand, I have been engaged with developing quality standards through my participation in a number of EU-Funded project: "National Framework of Qualifications for Jordan", Erasmus+ and “Enhancing Quality Assurance Management at Jordanian Universities”.

EDUCATION

I obtained my BSc and MSc degrees in Electrical Engineering from Jordan University of Science and Technology in 1995 and 1998 respectively. My Master thesis was on digital filters for image processing applications which resulted in a publication in a reputable journal. I obtained my PhD in Electrical Engineering from the Electrical Engineering Department -North Carolina State University, Raleigh, NC in 2004. My Dissertation title was: Design Methodology for Multi-Channel Communication Systems. My dissertation research resulted in more than 10 publications in high impact journals and conferences.

TEACHING

I have taught a number of undergraduate and graduate electrical engineering courses in a number of academic institutions. These include: *Digital Signal Processing, Analog and Digital Communication Systems, Digital Communications, Mobile Communications, Telecom Applications, Probability and Random Processes, Linear Algebra, Engineering Mathematics, Advanced Wireless Communications, Random Processes, Engineering Mathematics and Advanced Engineering Mathematics*. I have also supervised a large number of Undergraduate Senior Design Projects, 7 Master theses and was on the thesis defense of more than 20 master students.

EMPLOYMENT SUMMARY

Vice President for Academic Affairs and Development **June 2019-Present**
Applied Science University, Bahrain

Involved in strategic planning, overseeing the academic processes of all colleges including E-learning, monitoring the implementation of university teaching and learning strategy, chairing a number of academic committees such as Curriculum Committee, Teaching and Learning Committee, Research Committee and Internationalization Committee, serving as member in the University Management Committee, the University Council and the Quality Council, overseeing hosted academic programs, developing partnership with international universities, improving the university policies and overseeing the national and international accreditations and quality reviews of the university and its academic programs, developing strategic plans and overseeing their implementation.

Senior Advisor to the President for Academic Affairs and Development **Jan 2019-May 2019**
Applied Science University, Bahrain

Responsibilities include providing advisory support to the president on various academic affairs, monitoring the implementation of university research projects and initiatives, participating in the University Management Committee, overseeing international academic programs, developing partnership with international universities, overseeing the implementation of the university strategic goals, providing advice on improving the university policies and other related activities.

Full Professor **Jan 2017- Present**
Department of Telecommunication Engineering, Yarmouk University

I taught more than 10 undergraduate and graduate courses, conducted research in wireless communications, published more than 40 research articles in international journals and conferences, published one book, acquired funding for 5 projects, supervised 7 Master students and participated in the examining committees of more than 20 students.

Member of the Board of Trustees **May 2018-Present**
Al Hussein Technical University, Amman, Jordan

Responsibilities include strategic planning, new academic program approval, overseeing the university operation, selection of university executives and approving the university budget.

Dean of Engineering **Sep 2017-Sep 2018**
Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid, Jordan

I was successful in preparing the academic process and the infrastructure of the faculty for international accreditation, attracting more than 4 companies to open their innovation incubators at the faculty, establishing a career center for students in partnership with a leading training and recruitment company, acquiring funding for student placement in local and international companies, developing a research strategy which resulted in a number of funded research projects for academic staff.

Head of International Relations and Projects Department **Sep 2016-Sep 2017**
Yarmouk University, Irbid, Jordan

Acquired funding for more than 20 projects for student and staff exchange through the Erasmus program, arranged for singing more than 10 academic agreements with international universities and provided support for the university academic staff to apply for more than 20 international projects.

Professor and Head of Department **Sep 2014–Aug 2016**
Electrical and Computer Engineering Department, Caledonian College of Engineering, Muscat, Oman

I contributed to reform of the quality process at the college and maintained a sound operation of the Department. In collaboration with other college executives, I introduced new assessment models, new approach to curriculum development and new programs based on ABET criteria.

Associate Professor **Aug 2009- Jan 2017**
Department of Telecommunication Engineering, Yarmouk University, Irbid, Jordan
Teaching undergraduate and graduate courses, conducting research in wireless communications, supervising Master students and participation in the various committees of the department.

Grant-Holder and Coordinator of the Tempus Project **Oct 2010 - Apr 2014**
Department of Telecommunication Engineering, Yarmouk University, Irbid, Jordan

I was the first grantholder of a Tempus Project in Jordan. My responsibilities as coordinator were proposal writing, budget design and overall project implementation and management. I developed a financial process and a quality control manual for budget spending. I was also in charge of overseeing the project implementation and the financial arrangements at these institutions. The project was presented at the EACEA conference in 2012 as a best practice.

Head of the Telecommunications Engineering Department **Sep 2009–Sep 2012**
Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid, Jordan

Obtained funding for reform of the Master programs in the department where I introduced new curriculum, established a QC system for monitoring and evaluation of the academic process. I have also led the Department team to acquire funding for development of new programs at the department which also resulted in establishing a research lab and a video conferencing facility for distance learning.

Assistant Dean **Aug 2008- Sep 2009**
Hijjawi Faculty for Engineering Technology, Yarmouk University, Irbid, Jordan

Assistant Professor **Feb 2005 - Aug 2009**
Department of Telecommunication Engineering, Yarmouk University, Irbid, Jordan

Research Associate Post-Doc **Jan 2004 - Jan. 2005**
Department of Electrical Engineering, North Carolina State University, Raleigh, NC

Research Assistant **Jan 2001 - Dec 2003**
Department of Electrical Engineering, North Carolina State University, Raleigh, NC

Planning Engineer **Aug 1996- May 2000**
Jordan Telecommunication Company (JTC), Amman, Jordan

Teaching Assistant **Aug 1995 - May 1996**
Jordan University of Science and Technology, Irbid, Jordan

PROFFESSIONAL AFFILIATION

Senior Member of the Institute of Electrical and Electronic Engineers (*IEEE*), member of the Microwave Theory and Techniques Society (*IEEE MTT-S*), member of the National Society of Professional Engineers, NC Society, Chapter 21 (2002-2003) and member of Jordan Engineers Association (since 1995)

HONORS

- Yarmouk University honor for contribution in development of the Strategic Plan, 2017
- Biography selected for inclusion in the Marquis Who's Who in the America for the year 2009
- Senior Membership of the Institute of Electrical and Electronic Engineers (*IEEE*), Oct. 2008.
- Hijjawi Faculty Nomination for the Yarmouk University Prize for the Best Researcher, 2007 and 2008
- Hijjawi Foundation Prize for academic excellence in scientific research for the year 2007.
- Hijjawi Foundation Prize for academic excellence in scientific research for the year 2006.
- Membership of the honor society Eta Kappa Nu, Beta-Eta chapter, Electrical Engineering Society, USA, since 2001.
- Graduate Research Assistantship granted by North Carolina State University, 2001-2004.
- PHD scholarship from Yarmouk University, 2000-2004.
- Graduate Teaching Assistantship granted by Jordan University of Science and Technology, 1995-1996.

PROFESSIONAL DEVELOPMENT ACTIVITIES

Attended the following professional development activities:

1. Research tour of research institutes at the UK, organized by the Bahrain higher education council, 19-26/1/2020.
2. Leadership Today, July 15-18, 2019, Applied Science University-Bahrain.
3. Study tour at the German Vocational Education System, Berlin, Germany through the GIZ, 2018
4. Singularity University Summit, Milan, Italy, Sep 26-28, 2017
5. National Erasmus Day, Amman, 2017
6. International Student Exchange, University of Barcelona, March 2017
7. Oman Quality Assurance Network Conference, 2015, Muscat Oman
8. Tempus Representatives Meeting, Brussels, Belgium, Feb 10-11, 2014
9. Qualifications and Quality Ireland (QQI) Stakeholder Consultation Event, Cork, Ireland, May 28, 2013.
10. Workshop: Outcome Based Learning, Yarmouk University, April 26-27, 2012.
11. Tempus Representatives Meeting, Brussels, Belgium, Nov.26-27, 2012
12. IET Accreditation Workshop, Yarmouk University, July 9-10, 2012
13. Quality Control of Graduate Programs, Dublin City University, Dublin, Ireland, April 16-22, 2011
14. Tempus Representatives Meeting, Antwerp, Belgium, Dec.4-7, 2010
15. Proposal Writing workshop, Yarmouk University, March 2010
16. National Tempus Day (workshop), University of Jordan, Jan 2011
17. National Tempus Day (workshop), University of Jordan, Jan 2010
18. National Tempus Day (workshop), Princess Sumaya University, Feb. 2009
19. Tempus IV workshop, Yarmouk University, March 2009
20. Bologna Process Workshop, Yarmouk University, April 16, 2009
21. Local Governance Strategies, Queen Rania Center, Yarmouk University, 8-10/4/2008
22. Curriculum Development of Biomedical Engineering Courses, Heidelberg/Germany, 6-13/10/2007
23. FP7 workshops, the Royal Scientific Society, 16/11/2008
24. FP7 workshops, the Royal Scientific Society, 1/11/2007

25. FP7 workshops, the Royal Scientific Society, 4/9/2007
26. FP7 workshops, the Royal Scientific Society, 3/7/2007
27. FP7 workshops, the Royal Scientific Society, 26/3/2007
28. ABET Workshop, University of Jordan, 13-14/6/2007
29. Curriculum Development Workshop at Al Balqa University, Alhoson, Irbid, Jordan, 23/1/2007
30. E-learning Workshop, Philadelphia University, Jerash, Jordan, 8/2/2006
31. SPSS workshop, Yarmouk Faculty Development Center, 11/11/2007
32. New Faculty Members Workshop at Yarmouk Faculty Development Center, Nov.1-Jan. 1, 2006

CONFERENCES, WORKSHOPS AND PRESENTATIONS

As member/Chair of organization committee:

33. Good teaching conference at Applied Science University, Bahrain, 2020-2021.
34. Good teaching conference at Applied Science University, Bahrain, 2019-2020.
35. International Conference on Innovation, Technology, Enterprise and Entrepreneurship (ICITEE), Nov 23-24, 2019, Kingdom of Bahrain.
36. NQF-J Conference, Princess Sumayya University, Amman, March 22, 2017
37. Applications of Power Electronics in Renewable Energy, Symposium at Caledonian College of Engineering Oman, April 29th, 2015.
38. Internationalization of Engineering Higher Education-Towards Quality and Innovation, Workshop, Amman, April 2nd, 2013
39. Curriculum Development of Telecommunications Engineering Curricula-An Industrial Perspective, Workshop, Amman, Oct. 16th, 2011
40. Bridging the Gap between Engineering Curricula and the Needs of Industry, Workshop, Yarmouk University, Irbid, Jordan, June 2011.
41. The Role of Entrepreneurship in the National Economy Workshop, Yarmouk University, Irbid, Jordan, July 2008.
42. Tempus Bio-touch1 workshop, Yarmouk University, June 2007.
43. Tempus Bio-touch2 workshop, Yarmouk University, Dec. 2007.
44. International Medical Informatics and Biomedical Engineering Symposium, Amman, Jordan, March 2006.

Invited Presentations

45. The Future of Technical and Applied Education, Al-Hussein Technical University Conference 29-30, July 2018
46. Experience Exchange and Enhancing Mutual Partnership between Academic, Industrial, and Government Sectors, 2018 JANA Forum, Mutah University, Aug 1, 2019.
47. National Qualification Framework for Jordan, Higher Education in the Arab World Conference, July 9-10, 2018
48. Support to Jordanian Educational Institutions in Offering Labour Market - Oriented Vocational training and Cooperative study programmes" GIZ Deutsche Gesellschaft für, Jan 24th, 2018
49. Study tour at German TVET institutions and industrial bodies organized by GIZ, Berlin, Germany, Oct 23-31, 2018
50. Workshop on learning outcomes of HE programs, University College Cork, Cork, Ireland, Sep 25-29, 2018
51. "National Qualification Framework for Jordan", Operational Planning workshop organized by GIZ on Jordanian TVET Sector, Amman, Jan 24,2018

52. "National Qualification Framework for Jordan", A seminar at the Middle East University, Amman, Jordan, 2018
53. Jordan NQF Conference, Princess Summaya University, Amman, Jordan, March 22, 2017.
54. Experience Exchange and Enhancing Mutual Partnership between Academic, Industrial, and Government Sectors, 2018 JANA Forum, Mu'tah University, Aug 1, 2018.
55. National Qualification Framework for Jordan, Higher Education in the Arab World Conference, July 9-10, 2018
56. Support to Jordanian Educational Institutions in Offering Labour Market - Oriented Vocational training and Cooperative study programmes, A workshop organized by GIZ, Amman, Nov. 1st, 2017
57. "National Qualification Framework for Jordan", Jordan Engineers Association Colloquium on Engineering Qualification System, Amman, Dec 17th, 2017
58. "Optimizing grant writing skills for external Funds", Jordan University of Science and Technology, Oct 29, 2017
59. "National Qualification Framework for Jordan", a series of seminars at various ministries and institutions in Jordan, 2017
60. Writing progress reports for Erasmus projects, Erasmus workshop, Amman, March 23, 2017
61. How to write a successful proposal for Erasmus+, Seminar at YU Quality Center, Jan 2017
62. Jordan NQF workshop, University of Barcelona, Barcelona, Spain, Dec. 11, 2016.
63. How to write a successful proposal for funding, Seminar at YU Quality Center, Dec 2016
64. Internationalization of Engineering Higher Education-Towards Quality and Innovation, Amman, 2/4/2013
65. "Management of Tempus Projects-A partner Country Perspective", Tempus Representative Meeting, Brussels, Nov. 26-27, 2012
66. "Management of Tempus projects", Seminar at University of Jordan-Amman 5/1/2012
67. "Writing a successful Tempus project proposal", Presentation at National Tempus Day, University of Jordan-Amman 27/11/2011
68. "Tempus project activities at the Telecom Engineering Department", Seminar at the Jordan Telecommunications Regulatory Commission, Amman 27/2/2011
69. "Writing a successful Tempus project proposal", Seminar at Yarmouk University 4/11/2010
70. "Writing a Tempus project proposal", Seminar at the Hashemite University-Zarqa, Jordan 25/10/2010
71. IEEE Sensor Application Symposium, Brescia, Italy, Feb 7-9, 2012
72. Radio and Wireless Symposium, Orlando FL, USA, Jan. 2008
73. Tempus Bio-touch2 workshop, Yarmouk University, Dec. 2007
74. Workshop on Memory Effects in Power Amplifiers at IEEE MTT-S Int. Microwave Symposium, June 2006.
75. IEEE Topical Workshop on Power Amplifiers for Wireless Communications, San Diego, CA, Sep. 2004.
76. IEEE Radio and Wireless Conference (RAWCON 2004), Atlanta, GA, Aug. 2004.
77. Automatic RF Techniques Group (ARFTG), Orlando, FL, Dec. 2004.
78. IEEE-MTT International Microwave Symposium, Philadelphia, PA, June 2003.
79. IEEE Radio and Wireless Conference (RAWCON 2002), Boston, MA, Aug. 2002.
80. IEEE-MTT International Microwave Symposium, Seattle, WA, June 2-7, 2002.

PUBLICATIONS

Books

1. **Khaled M. Gharaibeh**, *Nonlinear Distortion, Modeling and Simulation with Matlab,* ISBN-10: 0470661046**,** *Wiley-IEEE, 2011.*

2. M. B. Steer and **K. M. Gharaibeh**, "*Volterra Modeling for Analog and Microwave Circuits*," in Modern Microwave and RF Handbook (A Book Chapter), John Wiley, 2004.
3. **Khaled M. Gharaibeh**, *Design Methodology for Multi-channel Communication Systems,* Ph.D. Dissertation, North Carolina State University, 2004.

Refereed International Journals and Conferences

4. **Khaled M Gharaibeh, "A Piecewise Linear Model for Passive Intermodulation Distortion in LTE** Systems", submitted to International Journal of Electronics and Communications.
5. Khaled M Gharaibeh, "Spectral Estimation of Passive Intermodulation Components" Submitted to *Electronics* (MDPI).
6. Khaled M Gharaibeh, "Artificial Intelligence for the Environment-Research and Policy Directions for Bahrain" Journal of Knowledge Management Application and Practice 2 (2), 91-96
7. Khaled M Gharaibeh, "The Combined Effect of Various Receiver Nonlinearities on Spectrum Sensing in Cognitive Radio Systems", Journal of Communications, 2020.
8. Khaled Gharaibeh, "Artificial Intelligence Solutions to Environmental Problems-Possible Applications in Bahrain", International Conference on Innovation, Technology, Enterprise and Entrepreneurship ICITEE 2019, Nov 23-24, 2019, Manama, Kingdom of Bahrain.
9. Khaled Gharaibeh and Basheer Alzoubi, National Qualification Framework in the Hashemite Kingdom of Jordan, Higher Education in the Arab World Conference, July 9-10,2018, Amman Jordan
10. Andrea Conchado Peiro, Maria del carmen bas, Khaled M. Gharaibeh, Hazem Kaylani, "Influence of firm size on the competencies required to management engineers in the Jordanian telecommunications sector", · European Journal of Engineering Education, Jun 2017.
11. Khaled Gharaibeh and Ayman Al-Zayed, "Performance of Feed-Forward Linearizers of Power Amplifiers in OFDM Systems under Complex Gain Errors", International Journal of Communications Systems, Wiley, 2016.
12. Khaled M Gharaibeh, "Effect of Nonlinear Distortion on the Performance of MIMO Systems," Int. Journal of Electronics and Communications, Elsevier, 2015.
13. Khaled Gharaibeh, Nicolas Patrici, Jordan Khaled M Gharaibeh, Jordan Rafael Llavori de Micheo, Spain Nick Harris, Bashar K. Hammad, Mohammad Mismar, Euro-Mediterranean perspectives on the complex shifts between external and internal QA of teaching and learning, at strategic and practical levels: Enhancing Quality Assurance Management (EQuAM) in Jordanian universities, 9th European Quality Assurance Forum, Barcelona, Spain; 11/2014.
14. Khaled Gharaibeh, et. al, "A Masters Program in Telecommunications Management – Demand-Based Curriculum Design" European Journal of Engineering Education, 2014.
15. Khaled Gharaibeh and Orobh Al-Momani, "Fuzzy Logic-Based Decision-Making System for Asthma Attack Detection", International Journal of Biomedical Engineering and Technology, Inderscience, Vol 15, No. 2, 2014.
16. Khaled M Gharaibeh, "On the Combined Response of Clipper-Amplifier Cascade in OFDM Systems", Int. Journal of RF and Microwave Computer Aided Engineering - Wiley, 2014.
17. Orobah Al Momani and Khaled Gharaibeh, "Effect of Wireless Channels on Detection and Classification of Asthma Attacks in Wireless Remote Health Monitoring Systems", International Journal of Telemedicine and Applications, Hindawi, 2013.
18. Walid Shakhatreh, Khaled Gharaibeh and Awad Zaben, "Statistical performance evaluation of ECG transmission using wireless networks", Journal of Medical Engineering and Technology, 2013.
19. Khaled M. Gharaibeh, et. al, "Review and redesign of the curriculum of a Masters program in telecommunications engineering – Towards an outcome-based approach, European Journal of Engineering Education, 2013.

20. Khaled Gharaibeh and Abdullah Yagot, “Target Classification in Wireless Sensor Network Using Particle Swarm Optimization” 2012 IEEE Sensors Applications Symposium, Brescia, Italy, Feb 7, 2012.
21. Khaled M. Gharaibeh, Omar Al Zoubi and Ayman Al Zayed, “Adaptive Predistortion Using Threshold Decomposition-Based PWL Modeling”, Int. Journal of RF and Microwave Computer Aided Engineering - Wiley, vol. 21, pp 145-156, 2011.
22. W Mohamed, AB Hamza, Khaled Gharaibeh, "Graph-Theoretic Image Alignment Using Topological Features, CompIMAGE, 199-209, 2010
23. Khaled M. Gharaibeh, “On the Relationship between the Noise-to-Power Ratio (NPR) and the Effective In-Band Distortion of WCDMA Signals”, Int. Journal of Electronics and Communications, Elsevier, March 2010.
24. Khaled M. Gharaibeh, “Simulation of Noise Figure of Nonlinear Amplifier Using the Orthogonalization of the Nonlinear Model”, Int. Journal of RF and Microwave Computer Aided Engineering, Wiley, July 2009.
25. Khaled Gharaibeh, A. Ben Hamza and Mohammed Malkawi, “An Interactive Simulation Tool for Image Registration Education”, Computer Applications in Engineering Education, Wiley, In Press, 2009.
26. Qasim Zobi, Ibrahim Tawil, Khaled Gharaibeh and Idrees Kofahi, “Design of Power-Line Communication System (PLC) Using a PIC Microcontroller", Journal of Active and Passive Electronic Devices, 2008.
27. Khaled Gharaibeh, Kevin Gard and M. B. Steer, “Estimation of Co-Channel Nonlinear Distortion and SNDR in Wireless Systems,” IET on Microwave, Antennas and Propagation, Oct. 2007.
28. Khaled Gharaibeh, "Behavioral Modeling of Nonlinear Power Amplifiers Using Threshold Decomposition-Based Piecewise Linear Approximation," Radio and Wireless Symposium, Jan. 2008, Orlando FL, USA.
29. Khaled Gharaibeh, Kevin Gard and M. B. Steer, “In-band Distortion of Multisines,” IEEE Transaction on Microwave Theory and Techniques, Aug. 2006.
30. M. B. Steer, K. Gard, K. Gharaibeh, A. Walker and W. Jang, “Deterministic and stochastic behavioral modeling of RF front-ends,” Proc. 2006 Workshop on Integrated Nonlinear Microwave and Millimeter-wave Circuits, Jan. 2006.
31. Khaled Gharaibeh, K. Gard and M. B. Steer, "The applicability of NPR in real communication signals," 67th Automatic RF Techniques Group conference (ARFTG), San Francisco, FL, June. 2006.
32. Khaled Gharaibeh, K. Gard and M. B. Steer, “Characterization of In-Band Distortion in RF Front-Ends Using Multi-Sine Excitation,” IEEE Radio and Wireless Symposium (RWS 2006), San Diego, CA, Jan. 2006
33. M. Li, K. Gard, Khaled Gharaibeh and M. B. Steer, “Accurate Multisine Representation of Digital Communication Signals for Characterization of Nonlinear Circuits”, IEEE Radio and Wireless Symposium (RWS 2006), San Diego, CA, Jan. 2006
34. Khaled Gharaibeh, K. Gard and M. B. Steer, Modeling and Measurement of Nonlinear Memory Effects in Wireless Communication Systems, Presentation at the International Microwave Symposium (IMS); 06/2006
35. Khaled Gharaibeh and M. B. Steer, “Modeling distortion in multichannel communication systems,” IEEE Transaction on Microwave Theory and Techniques, May 2005.
36. Khaled Gharaibeh, K. Gard and M. B. Steer, “Estimation of in-band distortion in digital communication system,” IEEE-MTT International Microwave Symposium, San Francisco, CA, June 2005.
37. Khaled Gharaibeh, K. Gard and M. B. Steer, “Understanding Nonlinear Distortion, a deterministic vs. Probabilistic Views,” IEEE Topical Workshop on Power Amplifiers for Wireless Communications, San Diego, CA, Sep. 13, 2004.
38. Khaled Gharaibeh, K. Gard and M. B. Steer, "The Impact of Nonlinear Amplification on the Performance of CDMA Systems," IEEE Radio and Wireless Conference (RAWCON 2004), Atlanta, GA, Aug. 2004.
39. Aaron Walker, Kevin Gard, Michael Steer and Khaled Gharaibeh, "Multi-Slice Behavioral Model of RF Systems and Devices," IEEE Radio and Wireless Conference (RAWCON 2004), Boston, GA, Aug. 2004.

40. Khaled Gharaibeh, K. Gard and M. B. Steer, "Accurate Estimation of Digital Communication System Metrics --- SNR, EVM and Rho in a Nonlinear Amplifier Environment," Automatic RF Techniques Group (ARFTG), Orlando, FL, Dec. 2004.
41. Khaled Gharaibeh and M. B. Steer, " Characterization of Cross Modulation in Multi-channel Power Amplifiers Using a Statistically Based Behavioral Modeling Technique," IEEE Transaction on Microwave Theory and Techniques, Dec. 2003.
42. F. P. Hart, D. G. Stephenson. C. R. Chang, K. M. Gharaibeh, R. G. Johnson and M. B. Steer, "Mathematical Foundations of Frequency Domain Modeling of Nonlinear Circuit and Systems using the Arithmetic Operator Method," Int. Journal of RF and Microwave Computer Aided Engineering, Wiley, Oct. 2003.
43. Khaled Gharaibeh and M. B. Steer, "Statistical Modeling of Cross Modulation in Multi-channel Power Amplifiers Using a New Behavioral Modeling Technique," IEEE-MTT International Microwave Symposium, Philadelphia, PA, June 8-13, 2003.
44. Khaled Gharaibeh, K. Gard, H. Gutierrez and M. B. Steer, "The Effect of Order of Nonlinearity on the Estimation of Distortion in Nonlinear RF Power Amplifiers," IEEE Radio and Wireless Conference (RAWCON 2002), Boston, MA, Aug. 14, 2002.
45. M. B. Steer, J. Harvey and Khaled Gharaibeh, "Technology Choices for Multifunctional Adaptive Radio, Radar and Sensors," Mediterranean Microwave Conference (MMS), Caceres, Spain, June 26-28, 2002.
46. Khaled Gharaibeh, K. Gard and M. B. Steer, "Statistical Modeling of the Interaction of Multiple Signals in Nonlinear RF Systems", IEEE-MTT International Microwave Symposium, Seattle, WA, June 2-7, 2002.
47. M. Hiasat, M. Al-Ibrahim and Khaled Gharaibeh, "Design and Implementation of New Median Filter Algorithm", IEE Proceedings on Vision, Image and Signal Processing, Oct. 1999.

Technical Reports

48. E-learning Policy, Applied Science University, 2020.
49. National Qualification Framework for Jordan, Submitted to Higher Education Accreditation Commission, 2017
50. Institutional Quality Assurance Guidelines for Jordanian Universities, EQuAM Project Report, 2014.
51. QA Guidelines of Academic Programmes at the Hijjawi Faculty for Engineering Technology, Report, Yarmouk University, Irbid, Jordan, 2013
52. Demand Analysis of Master Programs in Telecommunications Engineering and Management, Report, Yarmouk University, Irbid, Jordan, 2012
53. Curriculum Review of the Master Program at the Telecommunications Engineering Department, Report, Yarmouk University, Irbid, Jordan, 2011
54. Competition Analysis of Masters Programs in Telecommunications Engineering and Management, Report, Yarmouk University, Irbid, Jordan, 2011
55. A workshop on Curriculum Development of Telecommunications Engineering Programs--An Industrial Perspective, Workshop Technical Report, Yarmouk University, Irbid, Jordan, 2011