

Curriculum Vitae

Name Professor Yousef Ghazi El-jaafreh
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EDUCATION

Ph.D Electrical Engineering / Telecommunication Systems Engineering
United Kingdom, 1990
MSc Electrical Engineering / Telecommunication Systems Engineering
United Kingdom, 1987
BSc Electrical Engineering / Telecommunication Systems Engineering
United Kingdom, 1978

ACADEMIC EXPERIENCE

- Dean of Engineering Faculty, Mutah University, 1992,1993,1994.
- Dean of Engineering Faculty, Mutah University, 1998,1999.
- Chairman Industrial Technology Dept., Qatar University, 1999~2003.
- Professor / Electrical Eng. Dept., Mutah University / 2005.
- Vice President, Isra Private University, 2008~ 2012.
- Dean of Engineering Faculty, Isra Private University, 2008~ 2012.
- Dean of Scientific Research and Post Graduate Studies, Isra Private University, 2008~ 2012.
- Professor / Electrical Engineering Dept., Amman Private University 2014/ 2015.
- Vice President for Academic Affairs, Scientific Research and Scientific Centers, since Oct. 2016, Mutah University.

PRACTICAL EXPERIENCE

- Director of maintenance Unit, Mutah University 1994.
- Director / Consultation Center, Continuing Education and Community services, Mutah University 1995.
- Board of Directors/ **Telecommunications Regulatory Commission** in the Hashemite Kingdom of Jordan Oct.1995 ~1997

- Member, National Committee for Privatizing Telecommunications sector in the Hashemite Kingdom of Jordan, 1994.
- Member, national steering committee for industrial development in the Southern region of the Hashemite Kingdom of Jordan, 1996.
- Member, special committee for the accreditation /Electrical and Electronic Engineering BSc degree program in the following Private Universities; Al-Isra, Amman Applied Science University and Philadelphia University.
- Member, state Universities committee for cooperation with France Telecom Companies.
- Chair over 100 committees at Isra Private University.
- Chair over 100 committees at Mutah University.

MSc Postgraduate Taught Courses in Telecommunications Engineering;

- Computer Networks and Data transfer.
- Digital Communication Networks.
- Cellular Mobile Communication Systems.
- Research Methodology.
- Coding Theory.
- Digital Communications.
- Satellite Communication Systems.

Supervision MSc Postgraduate Thesis;

- Over 25 MSc Postgraduate Thesis.

Undergraduate Taught Courses in Telecommunications Engineering;

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|-------------------------------|------------------------------|
| • Communication 1 | Communication 2 |
| • Digital Communications | Electronic Communications |
| • Data Communications | Electronics III |
| • Electric Circuit Analysis I | Electric Circuit Analysis II |
| • Electrical Engineering | Communication System 1 |
| • Communication System 2 | Communication Theory |
| • Analog Communications Lab. | Digital Communications Lab. |

Supervision Undergraduate Projects:

Generation and detection of digital communications modulations techniques FSK, PSK, QPSK, DQPSK, FFSK, Tone calibrated techniques, Performance of digital communications systems operating in a noisy environment by measuring its BER, Direct sequence spread spectrum / frequency hopping, FM telephone Transmitter, IR Motion Detector, Ultrasound Radar, IR beam sensor, Wireless TV transmitter, Telephone display, Wireless Radio control, Software defined Radio, Modelling and Simulation of Digital communication techniques.

COUNCIL MEMBERSHIPS

- Deans council, Mutah University, 1992, 1993, 1994, 1998, 1999.
- University council, Mutah University, 1992,1992,1993,1994, 1998.
- Faculty council, Mutah University, 1992,1993,1994, 1996, 1998, 1999
- Elect. Eng. Dept., Mutah University since 1989.
- Amman applied Engineering Uni. College, 92 ~94.
- Editorial board, Mutah Lil-Buhooth Wa Al- Dirasat/ Natural and Applied Science Series, 1992/93/94/95/96. Mutah University.

PROFESSIONAL EXPERIENCE

- Chairman, cooperation committee between Mutah University and the Royal Jordanian Air Force, 1992 & 1993.
- Chairman, cooperation committee between Mutah University and the Jordan Industrial Cities Corporation, 1992 & 1993.
- Chairman, cooperation committee between Mutah University and Jordan Cement Factories Company, 1992 & 1993.
- Technical reviewer, JIEEE.
- Technical reviewer, Jordan National Scientific week/1994.
- Technical reviewer, Mutah University Scientific Journal.
- Technical reviewer, Irbid University Scientific Journal.
- Technical reviewer, al-Yarmouk University Scientific Journal.
- Member, organizing committee for the 4th technical conference on Telecommunications and Information Systems, status and trends in Islamic countries, Jordan Engineering Association, Amman, 1995.
- Member, Jordan national committee for PANORAMA Project, 1992.

- Chairman/Member, more than (80) eighty various committees at Mutah University between 1992 and 2005.

PUBLICATIONS

- **El-jaafreh, Y.,** `` Co-and adjacent Channel Interference thresholds to and from European SECAM Television Versus Various Land Mobile radio Modulations” Fourth **International Conference** on Land Mobile Radio, University of Warwick, Coventry, **UK, 1987.**
- **El-jaafreh, Y.,** ``Experience With a Multi Rate Modem System for data Transmission Over 12.5 KHz Land Mobile Radio``, **IEE Colloquium, LONDON, 1990.**
- **El-jaafreh, Y.,** `` An Intelligent Frame Assembler and Disassembler Controller for Channel Monitoring Over Packet Radio Networks`` **Mutah Journal Lil-Buhooth Wa- Aldirasat, Natural Applied science** series Vol.10, No.[3], 1995.
- **El-Jaafreh, Y.,** “Universities in Developed and Developing Countries in Serving Industry and Local Community “,26 th. **International Conference** on Computers & Industrial Engineering, 15- 17 Dec. 1999, Melbourne, Australia.
- **El-jaafreh, Y.,** “ Performance Analysis of the Coded SFH-SSMA Communication Systems over MUI Channel with Side information”, **IEEE Veh. Tech.** 99 Conference, May 16-20,1999, Houston, USA.
- **El- jaafreh, Y.,** “ Performance Analysis of Coded SFH-SSMA Communication System Over MUI Channel With No Side Information " **Engineering Journal Qatar University** of Vol. 16, June 2003, pp.61-72.
- **El- jaafreh, Y.,** “ Radio Frequency Channel Synthesizer For W-CDMA Mobile Cellular Communication Systems”, **International Journal for Modeling and Simulation ,Canada, Sept. 2005.**
- **El- jaafreh, Y.,** “Enhancing Survivability, Lifetime, and Energy Efficiency of Wireless Networks” The **Wireless Engineering and Technology**, 2012.
- **El- jaafreh, Y.,** A cooperative Ad hoc Network Employing Dirty Paper Coding in Cognitive Radio “**International Journal of Electronics and Communications. 2014**
- **El- jaafreh, Y.,** “An Improved Performance OFDM Channel Estimation Using Pilot Symbol Aided Techniques “**IEEE in Communication Letters. 2015**

- **El- jaafreh, Y.**, Fading Effect on Data Throughput Of Multi-Input Multi-Output Communications Systems “**International Journal of Emerging Technology and advanced Engineering.** **2016.**