











Khaled Yazbek

| PERSONAL INFORMATION | |
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|  |  Masaken Barzeh, Damascus, Syria |
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| | Gender male D.O.B 01/11 /1962 Nationality Syrian |

EDUCATION

- 1990 - 1994 Ph.D. in Electronics and RF/Microwave from the University of Paris XI, Institute of Fundamental Electronics (Institut d'Electronique Fondamentale - IEF), Orsay, Paris, France.
- 1988- 1989 D.E.A. (=M.Sc.) in Optics, Optoelectronics, and Microwaves, specialty in Microwaves from ENSERG (Ecole Nationale Supérieure d'Electronique et de Radioélectricité), Grenoble, France.
- 1984- 1987 Bachelor of Science in Electronic Engineering, specialty (final year) in Microwave Engineering from ENSERG, Grenoble, France.

WORK EXPERIENCE

- 2015 - Now Professor at Arab International University, Damascus, Syria, www.aiu.edu.sy.
- 2015 - 2023 Vice-Dean, Faculty of Informatics and Communications, Arab International University (AIU), Damascus, Syria, www.aiu.edu.sy.
- 2015 - 2019 Program Director of "Bachelor in Communications Technology" – BACT, at Syrian Virtual University, www.svuonline.org.
- 1994 - 2015 Lecturer and researcher at Higher Institute for Applied Sciences and Technology (HIAST), Damascus, Syria, www.hiast.edu.sy.
- 2015-Now Undergraduate Teaching Experience at AIU: "Data Communications", "Signals & Systems", "Microwave Engineering", "Analog Communications", "Digital Communications", "Microwave circuits & systems", "Mobile Communications", "Wireless Networks and Systems".
- 1994 - 2015 Undergraduate Teaching Experience at HIAST: "Microwave Engineering", "Wave Propagation and Transmission Lines", "Analysis and design of Active Microwave circuits", "Radio systems", "Workshop/laboratory activities on Electronic Circuits",
- 1990 - 1994 Undergraduate Teaching Experience in France: "Electronic components and circuits", "Electrical Circuits" and "Logic Circuits".
- 2010 - 2014 Postgraduate Teaching Experience in Master of Science in Telecommunications Systems at HIAST: "Wireless Transceiver Systems: Analysis and Design", "Advanced Microwave Engineering", "Wave Propagation and Antennas".

- 2008 - 2010 Postgraduate Teaching Experience in Advanced Telecommunications Engineering Master, at Damascus University in collaboration with Telecom-Bretagne, France: "Radio Frequency Engineering".
- 2007 - 2009 Postgraduate Teaching Experience in Master of Science in Telecommunications at Damascus University, "Design, analysis and modelling of Microwave Circuits".
- 1997 - Now Supervisor of Junior and Senior engineering projects in Communications Department, HIAST and AIU.
- 2006 - Now Supervisor of one-year M.Sc., two-year M.Sc., Ph.D. theses, Damascus University, HIAST.
- 2008 Head of Telecommunication Department at HIAST.
- 2002 Lecturer (course training and laboratory measurement) in the Summer University on "Design and Characterization of RF and Microwave Circuits", 31 August - 7 September 2002, Jordan University of Science & Technology, Irbid – Jordan.
- 2009 Head of local organizing committee of the Summer University on "DSP, Robotic & Wireless", July 18-28, 2009, HIAST, Damascus, Syria.
- 2000 Local Organizing committee member and participant in Summer University on "Telecommunication systems", August, 19-30, 2000, HIAST, Damascus, Syria.
- 2013 - Now Member of technical program committee of the annual IEEE Mediterranean Microwave Symposium, MMS.
- 2008 Organizing committee member of the 8th IEEE Mediterranean Microwave Symposium - MMS'2008, October 14 - 16, 2008, Damascus University, Syria.
- 2010 Head of organizing committee of the International Conference on Renewable Energies (ICRE), April 5 - 8, 2010, HIAST, Damascus, Syria.
- 1992 – 1994 Lecturer at IUT (Institut Universitaire de Technologie), Cergy, Paris, France : laboratory experiments and activities in Electronics.
- 1990 - 1992 Lecturer at EPF (Ecole Polytechnique Féminine), Paris, France.
- 1990 - 1992 Contribution to the European project ESPRIT BRA NanoFETs 3042: Modeling and analysis of intrinsic and extrinsic behavior of ultra short gatelength High Electron Mobility Transistors (HEMTs).
- 1989 - 1990 Researcher at LEMO (now IMEP: Institut de Microélectronique, Electromagnétisme et Photonique), ENSERG, Grenoble, France. The work focused on the propagation of electromagnetic waves in stratified media.

PUBLICATIONS

PH.D. PUBLICATIONS

K. Yazbek, A. de Lustrac, Y. Jin, F. Aniel, P. Crozat, R. Adde, G. Vernet, "*Electrostatic capacitances in standard and pseudomorphic ultrashort gate length HEMTs*", Electronics Letters, vol. 28, No. 19, 1992.

Jin-Delorme, Y. de Lustrac, A., Crozat, P.; Yazbek, K.; Adde, R.; Vernet, G.; Yin, Y.; Etienne, B.; Launois, H., "*Electric parameter evolutions against gatelength and bias in ultrashort gate AlGaAs/GaAs HEMTs*", Electronics Letters, vol. 29, No. 7, 1993.

de Lustrac, A. Crozat, P.; Dollfus, P.; Jin, Y.; Yazbek, K.; Adde, R.; Vernet, G.; Van Hove, M.; De Raedt, W.; Van Rossum, M.; Jin, Y.; Etienne, B.; Launois, H., "*Experimental and theoretical investigation of*

parameter evolution of ultra-short gate standard and pseudomorphic HEMTs”, 22nd European Solid State Device Research Conference, ESSDERC '92, 1992.

PUBLICATIONS

Samer Koukou, Khaled Yazbek, Zeidoun Mouzahem, “*Miniaturization of Microstrip Hexagonal Open-Loop Resonator Bandpass Filter Using Capacitive Loading*”, WSEAS TRANSACTIONS on ELECTRONICS, ISSN / E-ISSN: 1109-9445 / 2415-1513, Volume 10, 2019, Art. #9, pp. 66-71.

Khaled Yazbek, “*Multi Standard Reconfigurable Receiver Architecture for Wireless Systems*”, International Journal of Science and Research (IJSR), Volume 6, Issue 3, March 2017.

Hazem Deeb, Khaled Yazbek, and Adnan Malki, “*2 to 4 GHz Frequency Discriminator for RF Front-End Instantaneous Frequency Measurement Receivers*”, Progress In Electromagnetics Research C, Vol. 73, 27–36, 2017.

CONFERENCE PUBLICATIONS

Muhamed Haitham Albahnassi, Khaled Yazbek, “*Improving the frequency response of a circular dual-mode resonator with a reconfigurable bandwidth*”, IEEE 14th Mediterranean Microwave Symposium - MMS'14, September 12 – 14, 2014, Marrakesh, Morocco.

Muhamed Haitham Albahnassi, Khaled Yazbek, “*Center frequency stability and bandwidth reconfigurability in microstrip filters for advanced radio systems*”, IEEE 13th Mediterranean Microwave Symposium - MMS'13, September 2 – 5, 2013, Saida, Lebanon.

Khaled Yazbek, Ossama Harfoush, “*Practical EMC Considerations in Designing PCB for RF and Microwave Communications Systems*”, IEEE International RF and microwave conference, 2-4 December 2008, IEEE AP/MTT/EMC Chapter Malaysia, Kuala Lumpur, Malaysia.

Ossama Harfoush, Khaled Yazbek, A. R. Badawyieh, “*Wideband Frequency Modulation of a PLL Microwave Synthesizer*”, IEEE 8th Mediterranean Microwave Symposium - MMS'2008 Conference, October 14 - 16, 2008, Damascus, Syria.

Ossama Harfoush, Khaled Yazbek, “*Hardware Multi-Codec Plug and Play Microwave Link*”, IEEE 8th Mediterranean Microwave Symposium - MMS'2008 Conference, October 14 - 16, 2008, Damascus, Syria.

Ossama Harfoush, Khaled Yazbek, “*The Design of a Compact Sharp Microstrip X-band Bandpass Filter*”, IEEE 9th Mediterranean Microwave Symposium - MMS'2009 Conference, November 15 - 19, 2009, Tangier, Morocco.

Ossama Harfoush, Khaled Yazbek, “*Diplexer Design for Switched Frequency Diversity Applications in Wireless Communications Systems*”, IEEE 9th Mediterranean Microwave Symposium - MMS'2009 Conference, November 15 - 19, 2009, Tangier, Morocco.

AREAS OF INTEREST

Microwave Engineering (Design, implementation and measurement of passive and active circuits in microstrip, stripline and waveguide technologies), Electromagnetism and Wave Propagation, Antennas, Microwave amplifiers and oscillators, RF & Microwave PLL and frequency synthesizers, RF & Microwave communication systems, Microwave links, Radio Electronics, Electronics, Electrical Circuits.

Organisational skills

2010 Head of organizing committee of the International Conference on Renewable Energies (ICRE), April 5 - 8, 2010, HIAST, Damascus, Syria.

2009 Head of local organizing committee of the Summer University on “DSP, Robotic & Wireless”, July 18-28, 2009, HIAST, Damascus, Syria.

2008 Organizing committee member of the 8th IEEE Mediterranean Microwave Symposium - MMS'2008, October 14 - 16, 2008, Damascus University, Syria.

PERSONAL SKILLS

Mother tongue(s) Arabic

| Other language(s) | UNDERSTANDING | SPEAKING | WRITING |
|-------------------|---------------|-----------|-----------|
| English | Very Good | Very Good | Very Good |
| French | fluent | fluent | fluent |