Assistant professor Dr. QAHTAN KHALAF OMRAN Al-GBURI

Department of Electronic Engineering,

College of Engineering, University of Diyala,

Baqubah, Diyala Province, Iraq

qahtan@.uodiyala.edu.iq

PERSONAL INFORMATION

- Assistant professor
- Nationality: Iraqi
- Date of Birth: 01/ 07 / 1965, Diyala-Iraq
- Country of Residency: Iraq
- H index: 4 (based on the researcher's data)
- Address: 32001 Baqubah, Diyala Province, Iraq

EDUCATION

- PhD Degree in Electric, Electronic and Systems Engineering, The National University of Malaysia UKM, MY (2015).
  Thesis Title: A Phase-to-Sinusoid Amplitude Conversion Architectures For High Performance Direct Digital Frequency Synthesizers.
- M.Sc. Degree in Electrical Engineering (Electronic and Communication), Electrical Engineering of Baghdad University .
  Thesis Title: Design and Implementation of Fractional-N Frequency Synthesizer Over an HF Band .
- B.Sc. Degree in Electrical Engineering, Electrical Engineering of Baghdad University .

LANGUAGES

• English , and Arabic

TEACHING

- Digital Electronic
- Digital Techniques

- Digital System Design & Advanced D S D.
- Analog and Digital Communications
- Computer Networks
- Various Electronics Laboratories
- Supervisor for many graduate projects for undergraduate students.

TRAINING COURSES AND WORKSHOPS

- MATLAB-Xilinx Using System Generator Workshop, Shah Alam, MY November 2012.
- Introduction to FPGA Design using Altera, Kualalumpur, MY, December 2012.
- Several workshops during my PhD study at Electrical Electronic and System Engineering, National University of Malaysia UKM,MY, 2010-2015.

SOFTWARE AND TOOLS

- **ALTERA QurtusII & ModelSim Design Suite, MATLAB: Simulink**
- **Electronics Workbench, Microsoft Office, Word, Excel, Power Point and Access**

WORK EXPERIENCES

- Lecturer of Analog and digital communications subject at Electric Engineering Department, College of Engineering, University of Baghdad from 2001-2002
- Lecturer of many subjects at Electronic Engineering Department, College of Engineering, University of Diyala from 2004-till now, such as: (Digital Technique, Digital Systems Design , Computer Network).

PROFESSIONAL MEMBERSHIPS

- Member of the electronic engineering council, University of Diyala.
- Experienced Engineer, member of Iraqi Engineer Union

AWARD:

- Award For Best Research Published In EPC Conference 2011, The National University Of Malaysia, UKM, Malaysia

PUBLICATIONS JOURNAL :

1. Omran, Q. K., Islam, M. & Misran, N. 2012. Design and Simulation of High Spectral Purity Numerically Controlled Oscillator. Applied Mechanics and Materials 229(2117-2121.
2. Omran, Q.K, Islam, M. & Misran, N. 2013. FPGA-Based Implementation of a New Phase-to-Sine Amplitude Conversion Architecture. ELEKTRONIKA IR ELEKTROTECHNIKA 19(10): 103-108.
3. Omran, Q. K., Islam, M. T. & Misran, N. 2013. A New Approach to the Design of Low-Complexity Direct Digital Frequency Synthesizer. Przegląd Elektrotechniczny (Electrical Review) 89(5): 157-160.
4. Omran, Q. K., Islam, M. T., Misran, N. & Faruque, M. R. I. 2014. A ROM less Direct Digital Frequency Synthesizer Based on Hybrid Polynomial Approximation. The Scientific World Journal 2014.
5. QK Omran, KA Humood, T Mahmood , "A new truncation algorithm of low hardware cost multiplier"2022, Periodicals of Engineering and Natural Sciences (PEN) 10 (1), 188-194
6. KA Humood, T Mahmood, QK Omran, HK AL-Qaysi, "Design LC oscillator for MF, HF& VHF using both ideal and practical operation amplifier", 2022,Periodicals of Engineering and Natural Sciences (PEN) 10 (1), 164-177.
7. QK Omran, KA Humood, T Mahmood, " An Efficient Design Approach of Binary Squarer Based on Standard Parallel Structure Multiplier", 2022. Journal of Optoelectronics Laser 41 (5), 145-150.
8. QK Omran, OA Mahmood, KA Humood , "A REVIEW PAPER ON PAPR PROBLEM OF THE TRANSMITTED SIGNAL IN OFDM SYSTEMS", 2021,

PUBLICATIONS : CONFERENCE PAPERS

1. Omran, Q. K., Islam, M. T., Misran, N. & Faruque, M. R. I. 2014. An Efficient Rom Compression Technique for Linear-Interpolated Direct Digital Frequency Synthesizer. Semiconductor Electronics (ICSE), 2014 IEEE International Conference on, PP. 182-185.
2. Omran, Q. K., Islam, M. T. & Misran, N. & Reaza, M. 2012. Design and Implementation of Narrow-Band Linear Approximated Direct Digital Frequency Synthesizer. International Proceedings of Computer Science & Information Technology 38.
3. Omran, Q. k, Mahmood, HK Al-Qaysi "An Algorithmic State Machine Design Approach for Digital Divider Controller" 2023 3rd International Conference on Intelligent Technologies (CONIT), 1-5

More information about my scientific activity can be found via links below:

Research Gate: https://www.researchgate.net/profile/Qahtan_

Acadimeca.edu: https://uodiyala.academia.edu/QahtanOmran

Google Scholar : https://scholar.google.co.uk

ORCID ID : orcid.org/0000-0002-3580-8662

Publons : https://publons.com/author/1231019/qahtan-omran#profile