Assistant Professor Dr. Ali Othman Al Janaby

Personal Information

Name   : **ALI OTHMAN MOHAMMED**
Nationality   : Iraqi
Corresponding: Department of Communications Engineering
                  College of Electronics Engineering
                  Ninevah University
                  Iraq, Mosul
Marital status   : Married
Religion   : Muslim
Mobile   : 009647512334644, 009647740871472
Email   : ali.mohammed@uoninevah.edu.iq; **ali.othman2001@gmail.com**
Languages   :   Arabic, English (both are very good reading and writing)

Qualifications and Technical Experience

Professional activity: Member – Iraqi Engineers Society
                  : Iraqi Association of University Lectures
Qualifications   : Ph.D. in 4G LTE Networks, University of Mosul 2017.
                   MSc in Electronics and Communications Engineering,
                   University of Mosul, 2005.
                   BSc in Electrical Engineering, University of Mosul, 1983.
Operating Systems : Windows 7, MATLAB, OPNET, etc.
Databases   : MS Access for Windows.
PC applications   : Word processing, spreadsheets, MATLAB, Email, and Internet etc.
Simulators   : OPNET, Vienna System and link level Simulators
Platforms   : PCs and LAN and Novel in a networked PC environment.
Network   : Internet, Intranet, Ethernet, LAN, Wireless LAN.

Key Skills:

- 15 years of academic lecturing.
- Two years' wireless network engineer.
- Three industrial trainers.
- Two years' experience using MATLAB, and Windows environment.
- Five years' managerial experience for production control.

CAREER HISTORY

Since Sep. 2017 tell now in Nine University, Iraq.
Ph.D. in communications dep. as a lecturer.

Since March 2013 in University of Mosul, (Iraq).
Investigating LTE networks as Ph.D. student researcher

Since November 2011- 2012, University of Mosul, (Iraq).
Courses in communications and computer networks as Ph.D. student

Since November 2010- 2011, University of Mosul, (Iraq).
Installer of scientific equipments for college of education

Since January 2006 –, University of Mosul, (Iraq)
Full-time Assistant Lecturer
Lecturing and Training for undergraduate subjects in three deferent departments (Department of communication Engineering, Electronics Engineering Department, and Computers Engineering Department);
Students Academic Supervisor; Supervision of student's final year projects;
Member of Department's Scientific Committee.
Platform: PC's
Activities:

1. Communications Lab subject (4th year students –Department of communication Engineering).
2. Electronics Lab subject (4th year students – Electronics Engineering Department).
3. Basic Computer Networks Lab Subject (3rd year students – Computers Engineering Department).
4. lecturer in electric circuit engineering, 1st year student-department of communications.
5. Lecturer in electronics measurement, 3rd year student department of communications.
6. Lecturer in satellite communications, 4th year student department of communications.
7. Design and implementation of several projects such as Extract Mobile Handset Signals, Blockage for Mobile Signals, Design and Simulation of wireless LAN, SIM card Signals and Algorithms Extraction, indoor jammers for GSM systems
8. Participating in Research and publishing academic papers.

May 2004 – September 2004 , Nineveh Governorate, Iraq
Full-time Executer Engineer
Activities:
Executer Engineer of wireless network for local government of Nineveh province, Development and implementation of "Electronic Government Project" participation with Dar-AlMarifa for scientific suppliers (now in Jordan).

Feb 1990 – Feb 2003 , (Private Work)
Full-time Electronics and boosters design for antennas Engineer Designer
Activities:
Installation, maintenance, repair, calibration of digital balances for many types Mettler, sartoriuos, A&D etc
Designer for TV Boosters, RF Amplifier

1987 - 1990, **MBB of Germany**
Full-time Trainer
Activities:
    Training and Supervising hands-on courses for Doppler radar for local Iraqis engineers.

1983 - 1987, **Thomson-CSF of France**
Full-time Head of Department
Activities:
    Closely involved in day-to-day activities for production control (in IRAQ). Also, planning and scheduling of activities.

Publications in Last Five Years:
Journals:
Some Published Papers in International Journals

1- Othman, Ali, Siddeeq Y. Ameen, and Hussian Al-Rizzo. "An Energy-Efficient MIMO-Based 4G LTE-A Adaptive Modulation and Coding Scheme for High Mobility Scenarios." International Journal of Computing and Network Technology 3.02 (2015).
2- Othman, Ali, Siddeeq Y. Ameen, and Hussain Al-Rizzo. "A new channel quality indicator mapping scheme for high mobility applications in LTE systems." Journal of Modeling and Simulation of Antennas and Propagation 1.2 (2015): 38-43.
3- Ali Othman, "**Comparative Performanceof Subcarrier Schedulers in Uplink LTE-A under High Users' Mobile**", IJCDS, Vol. 4 (4), Oct. 2015.
4- Alauddin Al-Omary, Ali Othman, Haider M. AlSabbagh, and Hussain Al-Rizzo, "**Survey of Hardware-based Security support for IoT/CPS Systems**".
5- Othman, Ali, Siddeeq Y. Ameen, and Hussain Al-Rizzo. "**Dynamic Switching of Scheduling Algorithm for Uplink LTE system**." International Journal of Computing and Network Technology 6.3 (2018).
6- A. O. al Janaby, Al-Omary, A., Ameen, S.Y. and Al-Rizzo, H.M., 2018, November. **Tracking High-Speed Users Using SNR-CQI Mapping in LTE-A Networks**. In 2018 International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies (3ICT) (pp. 1-7). IEEE.
7- A.O. Al Janaby, "**5G Downlink Throughput Enhancement by Beams Consolidating at Vacant Traffic.**" (2019): 311-316.
8- A. O. Al Janaby, Alauddin Al-Omary, Siddeeq Y. Ameen, and Hussain Al-Rizzo. "**Tracking and Controlling High-Speed Vehicles Via CQI in LTE-A Systems**." International Journal of Computing and Digital Systems 9 (2020): 1-10.