

Curriculum Vitae

Name: Wisam Fahmi Ibraheem Al-Azzo
Region & Date of Birth: Iraq - Mosul 1966.
Religion & Nationality: Muslim - Iraqi.
Marital Status: Married + four children.
Spoken Languages: Arabic & English.
Computer Skills: Window XP, MS-Office, MATLAB, and Simulink.



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Education:

1. **B.Sc:** Electronic and Communication Engg, University of Mosul-Iraq, 1988.
2. **M.Sc:** Electronic and Communication Engg, University of Mosul-Iraq, 1993.
3. **PhD:** Communication Network Engineering, University Putra Malaysia-Malaysia, 2009.
4. **PhD Field:** signal processing, wireless communications, multicarrier digital communication systems, modulation and coding.

Research Grants:

1. *New Coding/Modulation Techniques for OFDM System Performance Enhancement (60 000 USD).*
2. *Peak-to-Average Power Ratio Reduction in OFDM Systems Using Frequency-Domain Statistical Transformation Technique (30 000 USD).*

Training Courses:

1. *Train the trainer*, at Etisalat Academy, Dubai, UAE, 2003.
2. *Ericsson System WCDMA Overview*, at Etisalat Academy (Ericsson staff instructor), Dubai, UAE, 2004.
3. *FPGA Implementation by System Level Tools Using Simulink & System Generator*, one day hands on training, at ActiveMedia, Kuala-Lumpur, Malaysia, 2007.

Employment:

	Period/Date	Institute	Job Title
1	Jan./2006 – March/2009	University Putra Malaysia, Malaysia, Dept. of Computer and Communications Systems Engg.	Full Time PhD student
2	2002 – Nov./2005	Etisalat Academy, Dubai-UAE	Instructor
3	1998 – March/2002	Higher Industrial Institute, Misurata- Libya	Lecturer
4	1994-1998	Faculty of Engg./ Dept. of Communications Engg., Beni-walid-Libya	Lecturer
5	1993 – 1994	Technical College of Mosul, Mosul-Iraq	Asst. Lecturer

Academic Experience:

– Taught Courses:

Information Theory	Radio Engineering	Advanced Electronics
Communication Theory (1&2)	Data Communication	Electrical Circuits
Communication Systems (1&2)	Computer Networks	Mathematics (2)
Satellite & Mobile Communications	Electronics	

– Supervised Labs:

Electrical Networks	Advanced Electronic Circuits	Communication Systems
Electronic Circuit	Radio Engineering	Digital Electronics

- Contribution in curriculum study and development of the following departments:
 1. Medical Engg. Dept./Al-Mosul Technical College, Mosul-Iraq
 2. Communication Eng. Dept./Electronic Engg. Faculty, Beni-Walid, Libya
 3. Communication Eng. Dept./ Higher Industrial Institute, Misurata- Libya
- Supervising several final year B.Sc. projects in the following fields:
 1. Image reconstruction by using Phase-Retrieval and In-Line Holographic Techniques
 2. Analog and digital communications systems (transceiver design, implementation, and test)
 3. Phase-locked loop (PLL) applications
 4. Simulation of channel coding techniques

Publications:

- **RESEARCH ACTIVITIES** (PhD study period):

1.	<i>Time Domain Statistical Control for PAPR Reduction in OFDM System</i>	Published in APCC07 Conference, Bangkok, Thailand
2.	<i>Insertion of Gaussian Dummy Sub-carriers for PAPR Reduction in OFDM Systems</i>	Published in 5th IASTED (AsiaCSN 2008) Conference, Langkawi, Malaysia
3.	<i>Addition of Gaussian Random Signals for Peak to Average Power Ratio Reduction in OFDM Systems</i>	Published in IEEE ICCCE'08 Conference, Kula-Lumpur, Malaysia
4.	<i>Peak-to-Average Power Ratio (PAPR) Reduction in OFDM Systems using Subcarrier Statistical Redistribution</i>	Submitted to: ELECTRONIC LETTERS
5.	<i>Reducing PAPR in OFDM Systems by Insertion of Dummy Random Gaussian Subcarriers</i>	Submitted to: ELECTRONIC LETTERS
6.	<i>PAPR Reduction in OFDM Systems using Smoothing Technique</i>	Accepted in: MICC2009 Conference
7.	<i>Concatenated Multi-Dimensional Modulation for BER Improvement and PAPR Reduction in Digital Communication Systems</i>	PATENT Submitted for Registration
8.	<i>Pre-Distortion Statistical Control for PAPR Reduction in OFDM Systems</i>	Draft Prepared
9.	<i>Insertion of Transformed Subcarriers for PAPR Reduction in OFDM Systems</i>	Draft Prepared
10	<i>Adaptive Square-Rooting Companding Technique for PAPR Reduction in OFDM Systems</i>	Draft Prepared

- **OTHER PUBLICATIONS:**

1.	<i>Improved In - Line Holographic Images Using Phase - Retrieval Technique</i>	Published in Al - Mosul 1 st Electr. Engg. conference, Mosul, Iraq, April 1995
2.	<i>Direct Phase - Retrieval Approach for Long - Wavelength Applications</i>	Published in VIProm Com. 99 conference, Zagreb, Croatia, June 1999
3.	<i>Phase - Retrieval Enhancement Using In - Line Hologram</i>	Published in 3 rd CATAEE - 99 conference, Amman, Jordan, Oct. 1999.
4.	<i>New steep Descent Phase-Retrieval Technique</i>	Published in AMSE Modeling, Measurement & Control, Vol.74, No.6, June 2001
5.	<i>Improved Images From Modulus Data Using Phase-Retrieval Technique</i>	Published in Al-Rafidain Engineering Journal, Mosul_Iraq, Vol. 3, No. 2, 1995, PP. 84-92.

References:

1. Prof. Dr. Borhanuddin Mohd. Ali, Malaysia, University Putra Malaysia, E-mail: borhan@eng.upm.edu.my
2. Prof. Dr. Khalel Hasan Saydmarie, Iraq, Mosul University-Dept. of Electrical Engg., E-mail: sayidmarie_b@hotmail.com
3. Assoc. Prof. Dr. Mujahid F. Al-Azzo, Jordan, Philadelphia University, Dept. of Electrical Engg., E-mail: mujaz1@hotmail.com