PERSONAL DETAILS:

• **Name**	**Emad Saied Mohamed Hassan**
• **Date of Birth**	**Dec. 2nd, 1981**
• **Address**	**Sheben El Kom - Menofia – Egypt**
• **Telephone**	**(+2) 0482333166 - (+2) 0101351938**
• **E-mail**	**eng_eamdash@yahoo.com** **emad.hassan@el-eng.menofia.edu.eg**
• **Nationality**	**Egyptian**
• **Marital Status**	**Married**
• **Graduation Date**	**May 2003**

AFFILIATION:

Department of Electronics and Electrical Communications Engineering, Faculty of Electronic Engineering,

Menofia University, Egypt.

QUALIFICATIONS:

1- **B. Sc. in Electrical Communications Engineering, Faculty of Electronic Engineering, Menofia University, *May 2003*.**

2- **M. Sc. in Electrical Communications Engineering *"Performance Evaluation of a CDMA Wireless Local Loop Networks"*, Faculty of Electronic Engineering, Menofia University, *Dec. 2006*.**

3- **PhD. in Electrical Communications Engineering *"Performance Enhancement of Multiple-Input Multiple-Output OFDM-Based wireless Systems"*, Faculty of Electronic Engineering, Menofia University, *Oct. 2010*.**

WORK HISTORY:

1- Nov. 2003 – Dec. 2006: *Demonstrator*, Dept. of Electronics and Electrical Communications Engineering, Faculty of Electronic Engineering, Menofia University.

2- Dec. 2006 – Oct. 2010: *Lecturer Assistant*, Dept. of Electronics and Electrical Communications Engineering, Faculty of Electronic Engineering, Menofia University.

3- Aug. 2008 – Feb. 2009: *Visitor Researcher*, at Liverpool University, Liverpool, U.K.

4- Oct. 2010 – Now: *Lecturer*, Dept. of Electronics and Electrical Communications Engineering, Faculty of Electronic Engineering, Menofia University.

Teaching Experience

A. Undergraduate Courses:

Electronics - Semiconductor technology - Electrical Circuits - Electronic Circuits - Communication Engineering - VLSI Technology - Digital Communication - Network Theory - Digital Exchanges - Communication Circuits - Digital Signal Processing - Mobile Communication Systems - Broadcasting and television Engineering - Information Theory and Coding - Satellite Engineering - Advanced Communication Systems - Network Planning.

B. Post-graduate Courses:

Advanced Digital Communication Systems - Statistical Communication Systems - Advanced Statistical Communication Systems – OFDM & WiMAX

Systems – SC-FDMA & LTE Systems.

AREA OF INTERESTS:

1- **Digital Communication systems (CDMA, MIMO-OFDM, Channel Equalization, Channel Estimation, and CPM-based systems).**
2- **Signal Processing.**
3- **Cooperative Communication in Wireless Networks.**
4- **Wireless Sensor Networks.**
5- **Femtocell based Wireless Networks.**
6- **Cognitive Radio Networks.**

OTHER SCIENTIFIC ACTIVITIES:

- **He served as reviewer for scientific papers in the fields of digital communication and signal processing for the *International Journal of Communication Systems* (IJCS, J. Wiley), the *Journal of Science and Technology Education Research* (JSTER), and some conference papers.**
- **He serves as a supervisor of M. Sc. students.**

LANGUAGES:

	Spoken	***Written***	***Understood***
English	*Good*	*Very Good*	*Good*
Arabic	*Mother Language*		

PERSONAL SKILLS:

Have the ability to work and research in different fields.

LIST OF PUBLICATIONS

A. Journal Papers

[1] E.S. Hassan, S.A. El-Dolil, **"Uplink Capacity Enhancement Techniques in a CDAM Wireless Local Loop system," Menofiya Journal of Electronics Engineering Research, MJEER, Vol. 16, No. 2, 2006.**

[2] E.S. Hassan, S.E. El-Khamy, M.I. Dessouky, S.A. El-Dolil, F.E. Abd El-Samie, **"Peak-to-average power ratio reduction in space–time block coded multi-input multi-output orthogonal frequency division multiplexing systems using a small overhead selective mapping scheme ", IET Commun., vol. 3, no. 10, pp. 1667-1674, 2009.**

[3] E.S. Hassan, Xu Zhu, S.E. El-Khamy, M.I. Dessouky, S.A. El-Dolil, F.E. Abd El-Samie**, "Performance Evaluation of OFDM and Single-Carrier Systems Using Frequency Domain Equalization and Phase Modulation"**, ***Int. J. Commun. Syst.*, vol. 24, pp.1–13, 2011.**

[4] E.S. Hassan, S.E. El-Khamy, M.I. Dessouky, S.A. El-Dolil, F.E. Abd El-Samie, **"A Chaotic Interleaving Scheme for Continuous Phase Modulation Based Single-Carrier Frequency-Domain Equalization Systems"**, ***Wireless Personal Commu.*, vol. 62, no. 1, pp.183-199, Jan., 2012.**

[5] E.S. Hassan, S.E. El-Khamy, M.I. Dessouky, S.A. El-Dolil, F.E. Abd El-Samie, **"PAPR Reduction for OFDM Signals with Unequal Power Distribution Strategy and a Reduced-Complexity SLM Scheme"**, **to appear in Journal of Central South University of Technology, Springer, 2012.**

B. Conference Papers

[1] ***" Reverse Link Capacity Analysis of a CDAM Wireless Local Loop system, " Proc. Of the 23rd National Radio Science Conference (23rd NRSC 2006)***, March 14-16, 2006, Egypt.

* Also: has been accepted for publication in ***The 1st Conference on Wireless System, Service and Applications (WSSA 2006), December 8 - 9, 2006*, Bandung, Indonesia**.

[2] **"Performance Analysis of CDMA WLL systems with Imperfect Power Control and Imperfect Sectorization,"** ***Proc. Of the International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2006), July 31 - August 2, 2006, Canada.***

[3] **" Environmental Effects on The Performance of Wireless Local Loop Systems,"** ***Proc. Of the 4th International Conference on Advances in Mobile Computing and Multimedia (MOMM 2006), 4 - 6 December 2006, Yogyakarta, Indonesia.***

* Also: has been accepted for publication in ***The 1st Conference on Wireless System, Service and Applications (WSSA 2006), December 8 - 9, 2006*, Bandung, Indonesia**.

[4] ***"Capacity Estimation for SIR-Based Power Controlled CDMA System with Mixed Cell Sizes, "*** Accepted for publication in ***The 1st Conference on Wireless System, Service and Applications (WSSA 2006), December 8 - 9, 2006*, Indonesia**.

[5]"A Simple Selective Mapping Algorithm for the Peak to Average Power Ratio in Space Time Block Coded MIMO-OFDM Systems", Proc. Of the international Conference on High performance, Networking and Communication Systems (HPCNCS-08), Orlando, Fl, USA, July 7-10, 2008.

[6]"Enhanced Performance of OFDM and Single-Carrier Systems Using Frequency Domain Equalization and Phase Modulation", Proc. Of NRSC-09, Egypt, March 17-19, 2009.

[7] "New Interleaving Scheme for Continuous Phase Modulation Based OFDM Systems Using Chaotic Maps", Proc. Of the *IEEE* International Conference on Wireless and Optical Communications Networks (WOCN-09) 28–30 April, 2009, Cairo, Egypt.

[8] "A Continuous Phase Modulation Single-Carrier Wireless System with Frequency Domain Equalization", Proc. Of the *IEEE* International Conference on Computer Engineering and systems (ICCES'09) 14–16 Dec. 2009, Cairo, Egypt.

[9] "A Modified Selective Mapping Technique for PAPR Reduction In Coded MIMO-OFDM Systems", Accepted for Publication in *IEEE VTC2008-Fall* in Calgary, 2008, Canada.

[10] "Peak to Average Power Ratio Distribution for OFDM Signals with Unequal Power Distribution Strategy", Proc. Of NRSC-10, Egypt, March 16-18, 2010.

[11] "Efficient Image Transmission Over the Single Carrier Frequency Division Multiple Access System Using Chaotic Interleaving", submitted for publication in NRSC-2012, Egypt.