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PERSONAL DETAILS:

• Name	Emad Saied Mohamed Hassan
• Date of Birth	Dec. 2nd, 1981
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• 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.**
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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.
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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.
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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.
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LANGUAGES:

	Spoken	Written	Understood
English	<i>Good</i>	<i>Very Good</i>	<i>Good</i>
Arabic	<i>Mother Language</i>		

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 CDMA 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.