

Resume

Name: Moawad I. M. Dessouky
Current position: Professor in the Department of Electronics & Communications Engineering, Faculty of Electronic Eng., Menoufia University.



Personal data:

Date of Birth: 22-10-1953
Place of Birth: Menouf, Egypt
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EDUCATION

Ph.D. in Electrical Engineering 1986

Dept. of Electrical Engineering, Mc Master University, Hamilton, Canada.

Thesis Title: " Fundamental Analysis for the Processing of Search and Rescue Satellite-Aided Tracking (SARSAT) Signals at Baseband "

M.Sc. in Electrical Engineering 1981

Department of Electronics & Communications Engineering, Faculty of Electronic Eng. Menoufia University

Thesis Title: "Modulation Techniques in Satellite Communication System"

B.Sc. (honors) in Wire Communications Engineering 1976

Department of Electronics & Communications Engineering, Faculty of Electronic Eng. Menoufia University

RESEARCH INTEREST

Mobile and personal communications, smart antenna arrays, spectral estimation techniques, modern digital signal processing including neural network, wavelet technique and higher order statistics techniques, digital image processing and applications, pattern recognition, satellite communications systems, high altitude platforms communications system and digital communication systems

PUBLICATION & JURY ACTIVITIES

He has published about 90 scientific papers in national and international conferences and journals. He took part in the organization of the national radio science conference (NRSC). He was a jury of a number of PhD thesis, MSc. thesis and BSc. projects in the most of faculties of engineering in Egyptian universities. Also, he was a jury of a lot of scientific journal and conference papers.

LIST OF PUBLICATIONS

1- Moawad I. Dessouky and C.R.Carter "Processing of ELT signals using a digital Lerner Filter". CRL Report No. 111, Communication Research Laboratory, Faculty of Engineering McMaster University Canada, Sept.1983.

2- Moawad I. Dessouky and C.R.Carter "Baseband Spectral Estimator System for SARSAT signals". CRL Report No. 125, Communication Research Laboratory, Faculty of Engineering McMaster University Canada, April 1984.

3- Moawad I. Dessouky and C.R.Carter " A Baseband Processor for SARSAT signals using Decimation in Time". CRL Report No. 129, Communication Research Laboratory, Faculty of Engineering McMaster University Canada, October.1984.

4- Moawad I. Dessouky and C.R.Carter “ Baseband Processor for Multiple SARSAT signals”. CRL Report No. 140, Communication Research Laboratory, Faculty of Engineering McMaster University Canada, April 1985.

5- Moawad I. Dessouky and C.R.Carter “ Baseband Processor for Real SARSAT signals”. CRL Report No. 144, Communication Research Laboratory, Faculty of Engineering McMaster University Canada, July 1983.

6- M. I. Dessouky and C.R. Carter, “Spectral Analysis of ELT Signals For SARSAT”, IEEE transaction on Aerospace and Electronic system, AES-23, No.5, Sept. 1987, pp.664-677.

7- M. I. Dessouky and C.R. Carter, “A Baseband Processor For SARSAT Signals “, Canadian Electrical Engineering Journal., Vol.13, No.2, 1988, pp.59-73.

8- Moawad I. M. Dessouky and Mohiy M. Hadhoud “Spectral estimation for antenna array signal using normal equations” The 13th International Congress for statistics, Computer Science, social and demographic research, Vol. 5, Engineering Science, control, communications, electronics), 26-31 march, 1988, ain shams university, Cairo, Egypt, pp. 131-150.

9- Moawad I. Dessouky “Maximum Entropy Spectral Estimation of Emergency Locator Transmitter Signal Using Lerner Filter”, *Proceeding of the Fifth National Radio Science conference, (URSI'89) Military Technical College, Cairo, Egypt, Feb. 16-18, 1988, paper C10.*

10- Mohiy M. Hadhoud and Moawad I. M. Dessouky “New Adaptive LMS method for image averaging” *The 13th International Congress for statistics, Computer Science, social and demographic research, Vol. 5, Engineering Science, control, communications, electronics), 26-31 march, 1988, Ain shams university, Cairo, Egypt, pp. 55-68.*

11- Moawad I. M. Dessouky, “ *Digital Baseband Processor and Spectral Estimation for Single RF Pulse of Carrier “, Proceeding of the Fifth National Radio Science Conference, (URSI'88) Military Technical College, Cairo, Egypt, Feb. 16-18, 1988, paper C13.*

12- Mohiy M. Hadhoud and Moawad I. Dessouky “Adaptive Techniques for multiple signal averaging” *Proceeding of the sixth national radio science conference, (URSI'89) Military Technical College, Cairo, Egypt, Feb. 19-21 1989, paper 1-C9.*

13- Moawad I. Dessouky and Mohiy M. Hadhoud “Yule-Walker Spectral Estimation Technique for Multiple received Antenna Signals”. *Proceeding of the sixth national radio science conference, (URSI'89) Military Technical College, Cairo, Egypt, Feb. 19-21 1989, paper 1-B2.*

14- Moawad I. M. Dessouky, “*Spectral Estimation of Antenna Array Signals Using Burg's method.*” *URSI International Symposium on Electromagnetic Theory, The Royal Institute of Technology, Stockholm, Sweden, August 14-17, 1989, pp.644-646.*

15- Moawad I. M. Dessouky, “*The Use of the Linear Fast Fourier Transform for Spectral Estimation “, AMSE Review, AMSE Press, 1990, Vol. 13, No.1, pp.31-42.*

16- Moawad I. M. Dessouky and Mohiy M. Hadhoud “The Optimum Uniform and Nonuniform Quantizer for Laplacian Signal”, *Electronics Engineering Bulletin, Faculty of Electronic Engineering, Menoufia university, No. 1, 1991, p.p. 40-53.*

17- Mohiy M. Hadhoud, Moawad I. M. Dessouky, S. A. Khamis “Adaptive 2-D Nonlinear filter for image Processing with application in DPCM data compression “*Alexandria Engineering Journal, November 1999, Vol. 38, No. 6, pp B205-B212.*

18- Moawad I.M.Dessouky "Digital Lerner Filter Design and Performances study ", Electronics Engineering Bulletin, Faculty of Electronic Engineering, Menoufia university, No.18, July 1999, pp52-62.

19- Moawad I.M.Dessouky " Processing of Multiple SARSAT signals using Modified Lerner Filter " Proc. of the First International Conference for Advanced Trends in Engineering, MICATE'99, March. 14-16,1999, Faculty of Engineering, Minia University, Minia, EGYPT, 1999, pp. 198-207.

20- Moawad I.M. Dessouky " Spectral Estimation Methods of Emergency Locator Transmitter (SARSAT) signals using Modified Digital Lerner Filter ", Proc. of third Mansoura International Engineering conference, April. 11-13, 2000, Faculty of Engineering, Mansoura University, Mansoura, EGYPT, pp. 173-182.

ALSO Accepted for presentation at 4th Asia-Pacific Conference on Communications. 6th Singapore International Conference on Communication systems. (APCC I CCS ' 98).

21- Moawad I.M. Dessouky " Performances of Modified FBLP and MUSIC as Estimators of Signals Frequencies ", Proc. of the 4th international Wireless and Telecommunications Symposium I Exhibition, 15-19 May 2000, Shah Alam, Malaysia.

22- Moawad. I. M. Desouky, Mohiy M. Hadhoud, and F. E. Abd-El-Samie "Modified Method for Signal-to-Noise ratio Improvement Using Digital filters", *Proc. of the 8th International Conference on Aerospace Science and aviation technology*" Military Technical College, Kobry El-Kobbah, Cairo, Egypt., May. 4-6,1999, Paper CM-13, pp 991-1000.

23- Moawad I.M. Dessouky " Processing of SARSAT signals using Modified Digital Lerner Filter ", Proc. of the fifteenth national radio science conference, NRSC'98, Feb. 24-26, Faculty of Engineering, Helwan University, Cairo, EGYPT, 1998, C19.

24- Moawad. I. M. Desouky, Mohiy M. Hadhoud, and F. E. Abd-El-Samie "New Approach to Adaptive Line Enhancer Using Autocorrelation Function for Processing SARSAT Signals", *Proc. the Seventeenth National Radio Science Conference. NRSC'2000, Feb. 22-24,2000, Faculty of Electronic Engineering, Menoufia University, Menouf, EGYPT.*

25- Mohiy Hadhoud, Moawad Dessouky, Mostafa Nofal and Yasser Albagory, "Two-Dimensional Switched-Beam Smart Antenna for Stratospheric Platform Cellular Communications " Proc. Of IEEE International Conference on Software, Telecommunications, and Computer Network (SoftCOM 2001), October 2001.

26- Mostafa Nofal, Moawad Dessouky, Mohiy Hadhoud, and Yasser Albagory, "Performance and Feasibility of Different Switched-Beam Antennas for Stratospheric Platform Mobil Communications Covering Newly Developing Regions" , Proc. of the Nineteenth National Radio Science Conference, NRSC'2002, March 19-21, Faculty of Engineering, Alexandria University, Alexandria, EGYPT, 2002.

27- Mohiy M. Hadhoud, Moawad I. M. Dessouky, and A. M. Abbas " The Restoration of Degraded Old Motion Pictures", Proc. of the Nineteenth National Radio Science Conference, NRSC'2002, March 19-21, Faculty of Engineering, Alexandria University, Alexandria, EGYPT, 2002.

28- Mohiy M. Hadhoud, Moawad I. M. Dessouky, E. M. Saad and A. M. Abbas "Modified Wiener Filter for Multi-Frame Restoration of Blurred and Noisy Images", Proc. of the Eighteenth national radio science conference, NRSC'2001, March 27-29, Faculty of Engineering, Mansoura University, Mansours, EGYPT, 2001, C8.

29- Mostafa Nofal, Mohiy Hadhoud, Moawad Dessouky, and Yasser Albagory, "A Novel Cellular Structure for Stratospheric Platform Mobil Communications ", Proc. of

the Nineteenth National Radio Science Conference, NRSC'2002, March 19-21, Faculty of Engineering, Alexandria University, Alexandria, EGYPT, 2002.

30- Mohiy M. Hadhoud, **Moawad I. M. Dessouky**, Fathi. E. Abd El- Samie and Said El-Khamy, " Enhanced Wiener Restoration of Image Based on The Haar Wavelet Transform", Proc. of the Eighteenth national radio science conference, NRSC'2001, March 27-29, Faculty of Engineering, Mansoura University, Mansours, EGYPT, 2001, C6, p.p. 241-249.

31- Mohiy M. Hadhoud, **Moawad I. M. Dessouky**, Fathi. E. Abd El- Samie and Said El-Khamy, " Blind Deconvolution of Blurred Images From Multiple Observations Using the GCD Algorithm", Proc. of the Eighteenth national radio science conference, NRSC'2001, March 27-29, Faculty of Engineering, Mansoura University, Mansours, EGYPT, 2001, C7, p.p. 251-258.

32- Mohiy M. Hadhoud, **Moawad I. M. Dessouky**, Fathi. E. Abd El- Samie and Said El-Khamy, " A New Technique For Enhanced Regularized Image Restoration ", Proc. of the Nineteenth National Radio Science Conference, NRSC'2002, March 19-21, Faculty of Engineering, Alexandria University, Alexandria, EGYPT, 2002.

33- **Moawad I. M. Dessouky**, Mohiy M. Hadhoud, Abd-Elfattah Ibrahim and Ashraf A. Eltholoth, " SOS and HOS Performance for Processing Satellite Relayed Signal ", accepted for publication in the 4th international conference on Computational Aspects and Their Applications in Electrical Engineering " CATAEE' 2002" 19-21 March 2002 – Philadelphia University – Jordan.

Also

Published in El-Mansoura Engineering Bulletin, Faculty of Engineering, Mansoura University, Mansours, EGYPT.

34- **Moawad I. M. Dessouky**, Mohiy M. Hadhoud, Abd-Elfattah Ibrahim and Ashraf A. Eltholoth, " Cumulant Based Parametric Methods for Power Spectrum Estimation ", accepted for publication in the 2nd Minia International conference for Advanced Trends in Engineering " MICATE' 2002 16-18 March 2002 – Minia, Egypt.

35- Mohiy M. Hadhoud, **Moawad I. M. Dessouky**, Mohamed I. El-Adawy and Nadia M. Nassar, " Self-Similarity Fractal Attractor Technique for Image Compression " Electronics Engineering Bulletin, Faculty of Electronic Engineering, Menoufia university, No.22, July 2001, p.p.1-8.

36- **Moawad I. M. Dessouky**, Mohiy M. Hadhoud, and F. E. Abd-El-Samie "Modified Method for Signal-to-Noise ratio Improvement Using Digital filters", Proc. of the 8th International Conference on Aerospace Science and aviation technology" Military Technical College, Kobry El-Kobbah, Cairo, Egypt, May. 4-6, 1999, Paper CM-13, p.p. 991-1000.

37- S.E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, and F. E. Abd El-Samie, "Adaptive Image Interpolation Based on Local Activity Levels," *URSI National Radio Science Conference, NRSC'03*, Cairo, Egypt, March 2003.

38- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam and F. E. Abd El-Samie, "Sectioned Implementation of Regularized Image Interpolation" 46th IEEE MWSCAS, Cairo, Egypt, Dec. 2003.

39- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "A New Edge Preserving Pixel-by-Pixel (PBP) Cubic Image Interpolation Approach," URSI National Radio Science Conference, NRSC'03, Cairo, Egypt, March 2004.

40- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Optimization of Image Interpolation as an Inverse Problem Using The LMMSE Algorithm," Proc. of IEEE MELECON, pp. 247-250, Croatia, May, 2004.

41- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "A Computationally Efficient Image Interpolation Approach" Accepted for publication in the International Journal of Signal Processing IJSP.

42- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Efficient Implementation of Image Interpolation As An Inverse Problem," Journal of Digital Signal Processing, vol. 15, No. 2, pp.137-152, March 2005., Elsevier Inc .

43- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Adaptive Least Squares Acquisition of High Resolution Images" International Journal of Information Acquisition, March 2005, World-Science Inc.

44- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "A New Super-Resolution Reconstruction Algorithm Based on Wavelet Fusion" Accepted for Publication in the URSI National Radio Science Conference, NRSC'05, Cairo, Egypt, March 2005.

45- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Regularized Super-Resolution Reconstruction of Images Using Wavelet Fusion" Journal of Optical Engineering, SPIE, September 2005.

46- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Blind multi-channel reconstruction of high-resolution of images using wavelet fusion" published in the in the Journal Applied Optics, vol. 44, no. 34, Dec. 2005.

47- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Enhanced Weiner Restoration of Images Based on The Haar Wavelet Transform" published in the International Journal Information Acquisition, vol. 2, no. 3, Sept. 2005, pp. 217-226.

48- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "Efficient Solutions For Image Interpolation Treated As an Inverse Problem" Journal of Information Science And Engineering, Acadimia Sinica, November 2006.

49- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "A New Approach To Regularized Image Interpolation" Journal of The Brazilian Computer Society, April, 2006.

50- S. E. El-Khamy, M. M. Hadhoud, M. I. Dessouky, B. M. Sallam, and F. E. Abd El-Samie, "A New Approach For Adaptive Polynomial Based Image Interpolation" International Journal of Information Acquisition , World-Science Inc, June 2006.

51- S. E. El-Khamy, M. M. Hadhoud, **M. I. Dessouky**, B. M. Sallam, and F. E. Abd El-Samie, "An Adaptive Cubic Convolution Image Interpolation Approach" accepted for Publication in the Journal of Machine Graphics and Vision.

52- **Moawad Dessouky**, Mostafa Nofal, Hamdy Sharshar and Yasser Albagory, "Modeling and Investigating the Rotational Motion Effects of the High Altitude Platforms," Twenty Second National Radio Science Conference (NRSC 2005) March 15-17, 2005 Cairo - Egypt

53- **Moawad Dessouky**, Mostafa Nofal, Hamdy Sharshar and Yasser Albagory, "Optimization of Beams Directions for High Altitude Platforms Cellular Communications Design," Twenty Third National Radio Science Conference (NRSC 2006) March 15-17, 2006 Menouf - Egypt

54- **Moawad Dessouky**, Hamdy Sharshar, Yasser Albagory, "Beam-Pointing Generation Algorithm for High Altitude Platforms Cellular Communications Design,"

2006 China-Japan Joint Microwave Conference (CJMW2006), August 23-25, 2006, Chengdu, China.

**Also has been accepted for publication within the Workshop on the Emerging ICT in the 14th International Conference on Software, Telecommunications and Computer Networks (*SoftCOM 2006*), September 29 – October 1, 2006, Split-Dubrovnik, Croatia and Italy.

55- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Footprint Analysis of High Altitude Platforms Cellular Communications," 2006 China-Japan Joint Microwave Conference (CJMW2006), August 23-25, 2006, Chengdu, China.

**Also has been accepted publication in the 14th International Conference on Software, Telecommunications and Computer Networks (*SoftCOM 2006*), September 29 – October 1, 2006, Split-Dubrovnik, Croatia and Italy.

56- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Uniform Concentric Circular Antenna Arrays (UCCAA) with central element feeding," 14th International Conference on Software, Telecommunications and Computer Networks (*SoftCOM 2006*), September 29 – October 1, 2006, Split-Dubrovnik, Croatia and Italy

57- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "A Novel Tapered Beamforming Window for Uniform Concentric Circular Arrays" *Journal of Electromagnetic Waves and Applications, JEMWA*, Vol. 20, No. 14, pp. 2077-2088, 2006.

58- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Effeciecnt Sidelobe Reduction Technique for Small-Sized Concentric Circular Arrays," *Progress In Electromagnetics Research, PIER 65*, pp. 187-200, 2006.

**Also has been accepted for puplication at the ISSPA 2007 International Symposium on Signal Processing and its Applications, Sharjah, UAE, February 12-15, 2007

59- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Geometrical Analysis of High Altitude Platforms Cellular Footprint," *Progress In Electromagnetics Research, PIER 67*, pp. 263-274, 2007.

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60- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Design of High Altitude Platforms Cellular Communications," *Progress In Electromagnetics Research, PIER 67*, pp. 251-261, 2007.

61- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Optimum Normalized-Gaussian Tapering Window for Side Lobe Reduction in Uniform Concentric Circular Arrays," *Progress In Electromagnetics Research, PIER 69*, pp. 35 –46, 2007.

62- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "An Approach for Dolph-Chebyshev Uniform Concentric Circular Arrays," *Journal of Electromagnetic Waves and Applications, JEMWA*, Vol.21, No.6, pp.781 –794,2007.

63- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Improving The Cellular Coverage from A High Altitude Platform by Novel Tapered Beamforming Technique," *Journal of Electromagnetic Waves and Applications, JEMWA*, Vol.21, No.13, pp. 1721 –1731,2007

64- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, " An Approach for Low Sidelobe Beamforming in Uniform Concentric Circular Arrays" Accepted for publication in Wireless Personal Communications, Springer.

65- Moawad Dessouky, Hamdy Sharshar, Yasser Albagory, "Uniform Concentric Circular Antenna Arrays (UCCAA) with Central Element Feeding" Accepted for publication in EURASIP Journal on Wireless Communications and Networking.

66- Emad S. Hassan, **Moawad I. Dessouky** and Sami A. El-Dolil, "Performance Analysis of CDMA WLL Systems with Imperfect Power Control and Imperfect Sectorization", Accepted for publication in the International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2006), July 31-August 2, 2006, Canada.

67- Emad S. Hassan, **Moawad I. Dessouky** and Sami A. El-Dolil, "Performance Analysis of CDMA Wireless Local Loop Systems", Electron Technology- Internet Journal 37/38 (2005/2006), 3, p.1-7, May 31, 2006.

68- F. S. Al-Kamali, **M. I. Dessouky**, B. M. Salam and F. E. Abd El-Samie, " Soft Decision Parallel Interference Cancellation for Multirate Downlink CDMA", Accepted for publication in the journal of computer science.

69- S. A. El-Dolil, A. Y. Al-nahari, **M. I. Dessouky**, and F. E. Abd El-Samie, "Dynamic Prioritized Admission and Resource Reservation for WCDMA", Accepted for publication in the journal of computer science.

70- Mohammed I. Mahmmoud, **Moawad I. Dessouky**, Salah Deyab and Fatma H. Elfouly, " Comparison between HAAR and DAUBECHIES Wavelet Transformations on FPGA Technology", International Conference on Computer, Information and Systems Science and Engineering, April 25-27, 2007, Barcelona, Spain.

71- Doaa M. Atia, Faten H. Fahmy and **M. I. Dessouky**, "Sizing and Environmental Effect on Photovoltaic Radio Repeater", 11th International Middle East Power Systems Conference, MEPCON 2006, 19-21 December 2006, pp. 323-327, El-Minia, Egypt.

* Also published in the international Symposium and Exhibition on Sustainable Energy Environment (ISESEE 2006), pp. 269-277.

72- Nadia M. Nassar, Mohamed I. El-Adawy, **Moawad I. Dessouky** and Mohiy Hadhood, "Self-Similarity Image Compression using Fractal Attractor Technique", 9th International Conference on Artificial Intelligence Applications, Feb. 7-10, 2001

73- Yasser Abdalla, **Moawad Dessouky**, Abd Elaal Attia and Hui Liu, " CDMA/PRMA with Piggybacked Reservation for Multimedia Services over Mobile Communication Networks", 8th International Conference on Advances in Communications and Control (COMCON 8), Greece, 25-29 June 2001.

74- Yasser Abdalla, **Moawad Dessouky**, Abd Elaal Attia and Hui Liu, " CDMA/PRMA with Reservation Subframe Protocol for Multimedia Mobile Communications", Accepted for presentation and publication at the IASTED International Conference on Wireless and Optical Communications (WOC2001), 27-29 June 2001, Canada.

75- Moawad I. Dessouky, Abd-Elnaser A. Mohammed, Mahmoud M. A. Eid and Mahmoud M. A. Abd_El-Whab, "Three integrated gains of wide bandwidth multi-pumping RAMAN optical amplifier: the maximum flatness", published in the proceeding of the 10th world multiconference on systemics, cybernetics and informatics, WMSCI 2006, vol. V, pp. 43-48, July 16-19, 2006. Orlando, Florida, USA.

76- Moawad I. Dessouky, Mostafa Nofal, Omar Salem and Ga,al Attia, "Supporting Distress Signals over Low Earth Orbit Satellite (LEO) Systems", 7th International

conference organized by El-Azhar university, April 7-10, 2003, Cairo, Egypt.

77- Mostafa Nofal, Mohiy Hadhoud, **Moawad Dessouky**, and Yasser Albagory, "A Novel Cellular Structure for Stratospheric Platform Mobil Communications ", Proc. of the 6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002), vol. X, Orlando, USA, July 14-18, 2002.

78- Mostafa Nofal, **Moawad Dessouky**, Mohiy Hadhoud, and Yasser Albagory, "Performance and Feasibility of Different Switched-Beam Antennas for Stratospheric Platform Mobil Communications Covering Newly Developing Regions" , Proc. of the 6th World Multiconference on Systemics, Cybernetics and Informatics (SCI 2002), vol. X, Orlando, USA, July 14-18, 2002.

79- M. Hadhoud, **M. Dessouky**, M. Nofal, Y. Albagory, " Smart Antennas for High Altitude Platforms Wireless Communications," has been accepted for presentation and publication in the Wireless 2002 Conference in Calgary, Alberta, Canada, July 8-10, 2002.

80- El-Sayed M. Saad, M. Hadhoud, **M. Dessouky**, Mohamed El-Halawany, "Detection of faces in a color natural scene using skin color classification and template matching", 22nd NRSC 2005, March 15-17, Cairo, Egypt

81- El-Sayed M. Saad, M. Hadhoud, **M. Dessouky**, Mohamed El-Halawany,"A new symmetry approach for fractal-view face detection", International Journal of Computing, 2006, Ukraine.

82- N. El-Fishawy, H. Ahmed, **M. Dessouky** and N. Ramadan,"Performance evaluation of integrated voice/data services over GSM/EGPRS with radio resource dimensioning", 24th NRSC 2007, faculty of engineering, Ain Shams University, Cairo, Egypt.

83- **M. Dessouky**, and F. Hanafey Elfoly," Design and implementation of wavelet transformation algorithm using FPGA technology", 3rd Minia international conference for advanced trends in engineering, April 3-5, 2005.

84- Ashraf A. Eltholoth, Adel R. Mikhail, **Moawad I. Dessouky**, A. Elsherbini," Effect of modulation choice on peak to average ratio (PAR) reduction in orthogonal frequency division multiplexing (OFDM) systems", 3rd Minia international conference for advanced trends in engineering, April 3-5, 2005.

85- Rania A. Ghazy, Nawal A. El-Fishawy, Mohiy M. Hadhoud, **Moawad I. Dessouky** and Fathi E. Abd El-Samie," An Efficient Block-by-Block SVD-Based Image Watermarking Scheme", 24th NRSC 2007, faculty of engineering, Ain Shams University, Cairo, Egypt.

86- F. S. Al-Kamali, **M. I. Dessouky**, B. M. Salam and F. E. Abd El-Samie, "Regularized Zero Forcing Equalizer with Soft Decision PIC for Multirate Downlink CDMA", Accepted for presentation at the 2007 International Conference on Engineering and Mathematics (ENMA 2007), July 2007 in Bilbao, Spain.

87- F. S. Al-Kamali, **M. I. Dessouky**, B. M. Salam and F. E. Abd El-Samie, "Efficient Implementation of Downlink CDMA Equalization using Frequency Domain Approximation", Accepted for publication in the UBICC journal.

88- Ashraf A. Eltholoth, Adel R. Mikhail, **Moawad I. Dessouky**, A. Elsherbini, A.I. Abdelfattah" Performance of Multi-Amplitude Minimum Shift Keying (N-MSK) with Orthogonal Frequency Division Multiplexing (OFDM)", The IEEE Region 8 EUROCON 2007 Conference, Sep. 9-12, 2007, Warsaw, Poland.

89- Ashraf A. Eltholoth, Adel R. Mikhail, **Moawad I. Dessouky**, A. Elsherbini, A.I.

Abdelfattah," Solving Peak Power Problems in Orthogonal Frequency Division Multiplexing", Ubiquitous Computing and Communications (UBICC) Journal, Vol. 2, No. 5, Issue 2007.

90- Ashraf A. Eltholoth, Adel R. Mikhail, **Moawad I. Dessouky**, A. Elsherbini, A.I. Abdelfattah," Low Crest Factor Modulation Techniques for Orthogonal Frequency Division Multiplexing (OFDM)", Ubiquitous Computing and Communications (UBICC) Journal, Vol. 2, No. 5, Issue 2007.
