CURRICULUM VITAE , SCIENTIFIC
and CAREER TRANSCRIPT
of

Prof. Dr. MOSTAFA YOUSSEF MAKKEY MOSALLAM

PERSONAL DETAILS :

NAME **: Mostafa Youssef Makkey Mosallam**
DATE & PLACE OF BIRTH **:** January 15 , 1957 , Assiut , Egypt
Marital status **:** Married
MAILING ADRESS **(Office):** Elect. Eng. Dept. , Faculty of Engineering , University of Assiut 71815 , Egypt.
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ACADEMIC QUALIFICATIONS:

1- **Ph. D. in Electrical Engineering (Electronic and Communication Engineering),** " COMPUTER AIDED DESIGN FOR MULTIPHASE SWITCHED-CAPACITOR FILTER " , Kent University, UK, June 1987 with University of Assiut , Assiut , Egypt
2- **M. Sc. In Electrical Engineering (Electronic Engineering),** University of   Assiut , Assiut ,Egypt , October   1982.
3- **B. Sc. In Electrical Engineering (Electronic and Communication Engineering),** University of Assiut , Assiut , Egypt , June 1979 .

PROFESSIONAL EXPERIENCE :

1- Projects undertaken:
- Hardware and softwere design to build controlling system for traffic.
- Using Test software for communicatin signals and computer network.

2- Projects related Industry:
- Build Communication Power Line Network Simulation and Hardware .
- Design and Build CCTV system.
- Fault Detection in Power Transmission Lines.
- design modeling and verification of DSP algorithms, DSP-platforms programming, Real-time DSP and embedded system design.
- Design wireless Communication system.

SUBJECTS OF SPECIAL INTEREST:

- **Software Language (Microsoft office(word-Access-Excal-Powerpoint)-Data Base – Oracal-Vusal Basic - Pascal)**
- **Software Enigeering Language (Microsoft C++ -Fortran)**
- **Computer Networks with emphasis on Network Security.**
- **Local Area Networks**
- **Computer-Aided Analysis .**
- **Information Technology (IT).**
- **Computer Architecture and Organization.**
- **Data Structure-Microprocessor-**
- **Design of Digital and Analoge Electronic System and VLSI design.**
- **Digital Signal Processing.**
- **Digital electronic circuits design.**
- **Working knowledge of base-band, wireless communications.**

- **Experience using MATLAB and Simulink for simulation design.**
- **Electronic communications, and wireless transceiver architectures.**
- **Digital Signal Processing programming experience in C/C++.**
- Familiarity with OFDM and CDMA systems.
- Digital and analog Communication design.
- GSM technique.
- Digital communication theory and its application to performance evaluation of wireless communication systems over fading channels
- Analysis, Design, Optimization and Measurement of RF Filters.
- Modulation technique for wireless telecommunication.
- Digital Modulation and Demodulation Communication techniques.

ACADEMIC;

1- **June 2005 till now:**
   Professor of Communication at the Department of Electrical Engineering , Faculty of Engineering , University of Assiut , Assiut , Egypt.

2- **November 2001 till June 2004 :**
   Associate Professor at the Department of Electrical Engineering , Faculty of Engineering , University of Assiut , Assiut , Egypt.

3- **November 2000 -November 2001:**
   Employment as Research Associate in the Electronics Engineering Laboratory at University of Kent, Canterbury, Kent, UK.

4- **December 1996 -October 2000:**
   Associate Professor at the Department of Electrical Engineering, Faculty of Engineering, University of Assiut, Assiut , Egypt.

5- **August 1995 - December 1996:**
   Employment as Post-Doctoral Research Fellow at University of Kent, Canterbury, Kent, UK.

6- **June 1995 - August 1995:**
   Associate Professor at the Department of Electrical Engineering, Faculty of Engineering, University of Assiut, Assiut, Egypt.

7- **September 1992 - January 1993:**
   Visiting teaching staff member, Electrical Eng. Dept., Faculty of Eng. Univ. of Qatar.

8- **June 1987 - June 1995:**
   Assistant Professor at the Department of Electrical Engineering, Faculty of Engineering, University of Assiut, Assiut, Egypt.

9- **February 1986 - January 1987:**
   Visiting Research Scholar Electronic Eng. Lab., Kent University, and UK.

10- **November 1982 - February 1986:**
    Assistant Lecturer at the Department of Electrical Engineering, Faculty of Engineering, University of Asset , Asset , Egypt.

11- **October 1979 - November 1982:**
    Demonstrator at the Department of Electrical Engineering , Faculty of Engineering , University of Assiut , Assiut , Egypt.

LIST OF PUBLICATION:

1- **M. Y. Makkey and M. F. Fahmy,** " Digital Bandpass Filter with Maximally Flat Amplitude and Delay Responses ", IEEE Trans. on CAS, Vol. CAS-32, PP. 598-600, June 1985.

2- **M. Y. Makkey, M. F. Fahmy and M. I. Sobhy,** " Selective Minimum Phase Constant Delay Digital Filters ", Proc. of 7th European Conference on Circuit Theory and Design, ECCTD'80, PP. 519-521, Prague, Sept. 1985.

3- **M. F. Fahmy, M. M. Doss and M. Y. Makkey ,** " Minimum Phase Selective Band Digital Filters with Control Pass-Band Loss and Delay ", Proc. of 2nd ASAT Conference , Military Technical College, Cairo, PP 21-23, April 1987, E.

4- **M. F. Fahmy, M. Y. Makkey and M. M. Doss ,** " A Method for Frequency domain Analysis of Switched-Capacitor Filters, " IEEE Trans. on CAS, Vol. CAS-34, PP. 955-960 , August, 1987.

5- **M. F. Fahmy, M. Y. Makkey and M. I. Sobhy,** " Time and Frequency Domain Analysis of Nonideal Switched-Capacitor Circuit, " Proc. ECCTD'87 PP. 83-88,Paris, Sept. 1987.

6- **M. F. Fahmy, M. Y. Makkey and M. I. Sobhy** ," Compensation for Amplifier Finite Band-Width in the Design of Switched-Capacitor Networks, " Proc. Of ISCAS'88, PP. 2471-2475 Helsinki, June 1988.

7- **Ahmed H. L. Almoh. And M. Y. Makkey,** " Global Minimization using Cubical Method, " 13th IMACS World Congress on Computation and Applied Mathematics, Dublin, IRELAND, 1991.

8- **Ahmed H. L. Almoh. M. Y. Makkey and A. Saleh,** " Accelerating the Convergence of Cubic Interpolation Method using Concurrent Algorithm Based on the Transputer Technology, " Engineering Journal of Qatar University, PP. 135-143, Vol. 5, 1992.

9- **M. Y. Makkey,** " Parallel Computing Applied to Compensate the Effect of Amplifier Bandwidth in the Design of Switched-Capacitor Networks ", Bulletin of the Faculty of Engineering, Assiut University, Vol., 21, No. 2, July 1993.

10- **Y. B. Mahdy and M. Y. Makey,** "Neural Networks Architectures for Solving Sorting and Related Problems," Proc. of 3rd ICAIA Conference, American Univ. , Cairo, Jan. 1995.

11- **M. I. Sobhy and M. Y. Makkey** ," A New Look at Analogue Computing Using Switched-Capacitor Circuit, " Proc. Of ISCAS'98, Monterey, California, May 31-June 3, 1998.

12- **Mohamed I. Sobhy and Khaled H. Moustafa and Mostafa Y. Makkey,**" Real-Time Processing of Noisy RF Pulses ," Proc. Of ISCAS 2003, Bangkok, Thailand, May 25-28, 2003.

13- **Mostafa Y. Makkey,**" Modeling of Power line communication Networks using System Identification Methods," Journal of Engineering Sciences, Assiut University, Vol. 31, No. 4, pp. 949-959, October 2003..

14- **Mostafa Y. Makkey,**" Secure Communication System Algorithm Based On Chaos Synchronization Using Rössler System ," Journal of Engineering Sciences, Assiut University, Vol. 31, No. 4, pp. 961-971, October 2003.

15- **Mostafa Y. Makkey,**" Implementation Of Real Time Chaotic generator Models (Continuous And Discrete Using Digital Hardware ," Proc. Of ICECS 2003, Sharjah, United Arab Emirates, December 14-17, 2003.

16- **Mostafa Y. Makkey,**" Secure Communication System Algorithm Based On Chaos Synchronization Using Rössler System**,**" Proc. Of ISPACS 2003, Awaji Island, Japan, December 7-10, 2003.

17- **Mostafa Y. Makkey,**" A Technique for Chaotic Direct-Sequence Spread Spectrum System," Journal of Engineering Sciences, Assiut University, Vol. 32, No. 1, pp. 359-369, January 2004.

18- **Youssef B. Mahdy; Mostafa Y. Makkey; M.M. Makky; M. Hassaballah** "Speeding Up The Encoding Time of Fractal Image Compression, " Journal of Engineering Sciences, Assiut University, Vol. 32, No. 1, pp. 371-389, January 2004.

19- **Youssef B. Mahdy, Mostafa Y. Makkey, M.M. Makky and M. Hassaballah**, "Speeding up the Encoding Time of Fractal Image Compression," Journal of Engineering Sciences, Egypt, Vol.32,No.1,pp.371-389,January2004.

20- **Youssef B. Mahdy; Mostafa Y. Makkey; Khaled M. Shaaban; Hashem Mokhtar** ," Face Detection in Color Images ," Journal of Engineering Sciences, Assiut University, Vol. 32, No. 2, pp. 611-628, April 2004

21- **Mostafa Y. Makkey**," Digital Watermarking Of Images Using Chaotic Direct-Sequence Spread Spectrum System," Journal of Engineering Sciences, Assiut University, Vol. 32, No. 2, pp. 629-638, April 2004

22- **Ahmed Almohanadi and Mostafa Y. Makkey,**" Utilizing VLSI Technology In Implementing Rosslar Chaotic generator," Proc. Of ICMSAO"05, Sharjah, United Arab Emirates, February 1-4, 2005.

23- **A. Boutejdar, A. R. Ali, M. Makkey and A. S. Omar** "Design of Compact Microstrip Lowpass Filters Using a U-Shaped Defected Ground Structure and Compensated Microstrip Line", *Proceedings of the 36th European Microwave Conference*, Sep. 2006, pp 267–270.

24- **A. Boutejdar, A. R. Ali, M. Makkey A. Elsherbini, O. Luxor and A. Omar** "Design of Compact Extended-Stopband Microstrip Lowpass Filters by Employing New Mutual-Coupling Technique for Defected Ground Structures (DGSs)", *Proceedings of the 36th European Microwave Conference*, Oct. 2007, pp 71-74

25- **A. Boutejdar,1 M. Makkey,2 A. Elsherbini,3 and A. Omar1** "DESIGN OF COMPACT STOP-BAND EXTENDED MICROSTRIP LOW-PASS FILTERS BY EMPLOYING MUTUAL-COUPLED SQUARE-SHAPED DEFECTED GROUND STRUCTURES", MICROWAVE AND OPTICAL TECHNOLOGY LETTERS / Vol. 50, No. 4, April 2008, pp 1107-1111(DOI 10.1002/mop)

26- **Hassan E. Alkhateeb, Mostafa Y. Makkey, and George Daoud**, "Network Lifetime Maximisation and Penalty-Based Resource Allocation for Machine-to-Machine Communications in Long-Term Evolution Networks", International Journal of Computer Science Issues (IJCSI) Volume 16, Issue 5, September 2019, pp. 1-9 , 2019.

27- **Sofia Safwat, G. S. Hassan, Marwa A. Ahmed and M. Y. Makky,** "EFFECTS OF MOBILE RADIATION ON THEMEMORY OF DIFFERENT AGES MALE RATS " Assiut Univ. J. of Physics, Printed ISSN 1687-4900 , 48(2), pp (2019).

28- **Motaz M. Elbadry, Mostafa Y. Makkey, Mohamed Abdelgawad and Mohamed Atef**., "Design Technique for Regulated Cascode Transimpedance Amplifier Using G_m/I_D Methodology", *Microelectronics Journal 95 (2020) 104676*

29- **Abeer Elsayed, Mostafa Y. Makkey,** *"*Design and simulation of low Readout Noise and wide Dynamic Range CMOS Image sensor using Diode Connected Load Technique", www.iosrjournals.org.

30- **Abeer Elsayed, Mostafa Y. Makkey, "**Design and Simulation of 140 dB Dynamic Range and 20 uV$_{rms}$ Readout Noise CMOS Image Sensor" International Conference on Electronic Engineering, Menoufia University, Egypt ICEEM2021, 3-4 July. 2021.

31- **Donia N. Elsherif , Mostafa Y. Makkey**," Early Detection of Breast Cancer using Microstrip Patch Antenna ",International Conference on Electronic Engineering, Menoufia University, Egypt ICEEM2021, 3-4 July. 2021.

32- **Azza M. Abd_elmegeed, 2Mostafa Y. Makkey**, " Comparison between Different Methods for Noise Cancellation in Medical Image "IRJIET, Volume 5, Issue 6, pp 16-21, June-2021

33- **Abeer Elsayed, Mostafa Y. Makkey**, "12.48 uW low power consumption ultra-wide bandwidth low noise amplifier for ultra wideband wireless communication using diode connected transistor ", IOSR-JEEE, , Volume 16, Issue 4 Ser. II (Jul. – Aug. 2021)