

# Dr. Ing. Mostafa El-said

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**Date of Birth** : 22 – 05 – 1942, Cairo  
**Marital Status** : Married  
**Education** : B.Sc. Electronics and Communication  
Cairo University 1963.  
Dipl. Ing. Karlsruhe University, West Germany 1970.  
Dr. Ing. Karlsruhe University, West Germany 1974.



## Work Experience:

**1992 – Present** : Professor Faculty of Engineering. Elect. & Comm. Dept. Cairo University  
**1986 - 1992** : Associate Professor Elect. & Comm. Dept. Faculty of Engineering Cairo University.  
**1981 – 1986** : Expert King Saud University, Riyadh Kingdom of Saudi Arabia (Sabbatical Leave)  
**1981** : Associate professor elect. & Comm. Dept. Faculty of Engineering Cairo University.  
**1975 – 1981** : Assistant professor elect. & Comm. Dept. Faculty of Engineering Cairo University.

## Publications:

- [1] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Novel reconfigurable defected ground structure resonator on coplanar waveguide," *IEEE Antenna and Propagation Transaction*, Vol. 58, No. 11, 2010, pp 3622-3628.
- [2] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Reconfigurable defected ground structure cell using PIN diodes on Coplanar Waveguide technology," *Microwave and Optical Technology Letters*, Vol. 52, No. 3, 2010, pp 766-770.
- [3] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Compact reconfigurable defected ground structure (DGS) based multi-band bandpass filters on coplanar waveguide technology," *IEEE Asia Pacific Microwave Conference (APMC 2009)*, Singapore, 7 – 10 Dec. 2009.
- [4] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Novel compact defected ground structure based bandpass filters on coplanar waveguide," *Progress In Electromagnetic Research Symp., PIERS 2009*, Moscow, Russia, 18 – 22 August 2009.
- [5] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Novel reconfigurable multi-band bandpass filter using defected ground structure on CPW technology," *IEEE International Symposium on Antenna and Propagation AP-S 2009*, Charleston, South Carolina, USA, 1 – 5 June 2009.
- [6] H.B. El-Shaarawy, Badreddine Ouagague, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Mimiaturization d'un filter à résonateur en anneau en utilisant de stubs repliés et des « DGS » circulaires ," *16èmes Journées Nationales Microondes (JNM 2009)*, Grenoble, France, 27 – 29 May 2009.
- [7] H.B. El-Shaarawy, Badreddine Ouagague, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Filtre multi coupe-bande reconfigurable utilisant un nouveau résonateur à base de structure à plan de masse usiné en technologie CPW ," *16èmes Journées Nationales Microondes (JNM 2009)*, Grenoble, France, 27 – 29 May 2009.
- [8] H.B. El-Shaarawy, F. Coccetti, R. Plana, Mostafa El Said, E.A. Hashish, "Analysis and design of a novel reconfigurable defected ground structure resonator on CPW technology," *Progress In Electromagnetic Research Symp., PIERS 2009*, Beijing, China, 23 – 27 March 2009.
- [9] H.B. El-Shaarawy, F. Coccetti, R. Plana, M. El Said, E.A. Hashish, "Compact Bandpass Ring Resonator Filter **With Enhanced Wide-Band Rejection Characteristics Using Defected Ground Structures**," *IEEE*

Microwave and Wireless Components Letters, Vol 18, Issue 8, August 2008, pp. 500 – 502.

- [10] H.B. El-Shaarawy, F. Coccetti, R. Plana, M. El Said, E.A. Hashish, "Defected Ground Structure (DGS) and uniplanar compact-photonic band gap (UC-PBG) structures for reducing the size and enhancing the out-of-band rejection of microstrip bandpass ring resonator filters," *WSEAS Transactions on Communications*, Vol 11, No 7, September 2008, pp.1112 – 1121.
- [11] H.B. El-Shaarawy, F. Coccetti, R. Plana, M. El Said, Essam A. Hashish, "A novel reconfigurable DGS cell for multi-stopband filter on CPW technology," *Asia Pacific Microwave Conference, (APMC 2008)*, Hong Kong, Chine, 16 – 20 Dec. 2008.
- H.B. El-Shaarawy, F. Coccetti, R. Plana, M. El Said, Essam A. Hashish, "Miniaturized extended-stopband microstrip ring resonator bandpass filter using uniplanar compact photonic bandgap (UC-PBG) structures," *8<sup>th</sup> Internat. Conf. Applied Inform.Comm. (AIC*
1. -Hesham I.M. Al-Anwar, Essam A.Hashish ,H. El-Hennawy and Mostafa El-Said. "Computer Aided Design of Broadband Microwave Diode Detectors Using Filter Approximations ",18<sup>th</sup> National Radio Science Conference – Egypt, 2001.
  2. -Hesham I.M. Al-Anwar, Essam A.Hashish ,H. El-Hennawy and Mostafa El-Said. "A New proposed Method for the Design of Broadband Microwave Planar Diode Detectors",17<sup>th</sup> National Radio Science Conference – Egypt, 2000.
  3. -Esmat A.F. Abdallah, M.El-Said, Essam A.Hashish and Deena A. Salem, " Theoretical study of the resonant frequencies of triangular microstrip resonator," National Radio Science Meeting, 4-8 January 2000, Boulder, Colorado, U.S.A, p.326.
  4. -I.M. Barssem, E.A Abdallah, Mostafa El-Said, Essam A. Hashish H. Taher, "Analysis of microstrip line on ferrite substrate using the method of lines," XXVI th General assembly of the International union of Radio Science, Abstract No. B4 .p.4, Toronto, Canada, August 13-21, 1999, p.g5.
  5. -Esmat A.F. Abdallah, M.El-Said, Essam A. hashish and E.E.K El-Kinawy, "Design of high directivity coupler using finite element method," XXVI th General Assembly of the International Union of Radio science, Abstract No.B1.p.02, Toronto, Canada, August 13-21, 1999.

6. -Esmat A.F. Abdallah, M.El-Said, Esam A.hashish and Hossam A.Saker, "Analysis and design of periodic structures using the method of lines," the 4<sup>th</sup> IEEE International Conference on Electronics, Circuits and Systems ICECS, 97, 15-18 December 1997, Cairo, Egypt.
7. -Esmat A.F. Abdallah, M.El-Said, Esam A.hashish and Ibrahim M.Barseen, "Six – port reflecatometer using three coupled microstrip lines on multi – dielectric interfaces," International union of Radio Science Symposium, july 28- Sept.5, 1996, lille, France.
8. -Esmat A.F. Abdallah, Mostafa E-Mostafa , Ahmed A.N. Ahmed and Deena A.M. Salem, " Field theory analysis of microstrip circulator using finite element method, 1993"Asia – pacific Microwave Conference Proceedings, 18-21 October 1993, National chiao tung University, Hsinchu, Taiwan.
9. -E.A.F. Abdallah, M. El – Said, A.A.N Ahmed and E.K.A. El – Kinawy, "Analysis and Design of broad side and overlap microstrip line couplers by finite elements," 35<sup>th</sup> microstrip Symposium on Circuits and Systems, The George Washington University, Washington DC, USA, August 9-12, 1992.
10. -E.A.F. Abdallah, Mostafa El–Said, A.A.Nazir, M.Amer Nasef and Eman El–Kinawy, "Design and Fabrication of a Novel Single Balanced Mixer Using Lange Coupler," Journal of Engineering and Applied Sciences, Vol.39, No.2, April, 1992, pp.391-403 Faculty of Engineering, Cairo University
11. -A.Z.Botros, M.El-Said and D.El-Hossary,"Resolution of Coherent Sources by Antenna Arrays" Journal of Engineering and Applied Sciences, Vol.38, No.6, December, 1991, pp.1199-1212. Faculty of Engineering, Cairo University
12. -M.El-Said,"A variational Approach for Modal Analysis of Double Clad Optical Fiber Line" Journal of Engineering and Applied Sciences, Vol.38, No.5, October, 1991, pp.985-994. Faculty of Engineering, Cairo University
13. -Mostafa El-Said and Ahmed Abdel Nazir "Detection of Inhomogenities In a Half Space By The Potential on The Surface Using the Finite Element Method" Proc. of the URSI Seventh National Radio Science Conference, Feb. 20 –22, 1990, B1, pp.1-10.

14. -Esmat A.F Abdallah, M. El-Said and E.A. Hashish “Radiation characteristics of curved travelling wave microstrip antennas” Proc. of the URSI Seventh National Radio Science Conference, Feb. 20 –22, 1990, B6, pp.1-9
15. M El-Said, A Abdelnazir, "Detection Of Inhomogeneity In A Half-space By The Potential On The Surface Using The Finite Element", Geoscience and Remote Sensing Symposium, 1989. IGARSS'89, 1989 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org).
16. -Mostafa El-Said “Apparent Resistivity of a Sphere With Finite Conductivity Buried In a Half Space” Scientific Engineering Bulletin ,Volume 36 No.2 pp.483-494.,Journal of Faculty of Engineering, Cairo University.
17. Osman L.El-Sayed and M.El-Said “Charaterization of MultipleParallel Post Power Combining Mounts and Irises For Waveguide Filters” Scientific Engineering Bulletin, 1981,No.1 pp.247-256.,Journal of Faculty of Engineering, Cairo University.
18. M.El-Said “Precision Variable Attenuator for Stripline Circuits” Scientific Engineering Bulletin, 1980,No.2, Journal of Faculty of Engineering, Cairo University.
19. M.El-Said “Finite Element Technique for Solution of Laplace Equation With Prespecified Boundary Condition” Scientific Engineering Bulletin , 1980,No.2, Journal of Faculty of Engineering, Cairo University.
20. S.Eid and M.El-Said “An Algorithmic Approach to Optimal Circuit Design” Scientific Engineering Bulletin, 1980,No.2, Journal of Faculty of Engineering, Cairo University.
21. . S.F.Mahmoud and M.El-Said “Scattering of Radio Waves From an Earth Model With a Periodic Rough Subsurface” North American Radio Science Meeting and IEEE/AP-S International Symposium,Quebec, June 2-6, 1980.

### **Professional Engineering Experience:**

- 1996-1998 : Member of the committee for the rehabilitation of Abu El Rich Teaching Hospital – Cairo University.
- 1986-1996 : Member of the committee for the Kasr El-Aini Teaching Hospital – Cairo University. Responsible for the following Disciplines:
- 1-Telephone system.
  - 2-Paging system.
  - 3- Fire - alarm system.
- 1981-1986 : Expert at the King Saud University Project, Riyadh-Saudi Arabia. Responsible for the following Disciplines:
- 1- Internal communication of the university compass consisting of a telephone exchange of capacity 32000 lines connected to the Kingdom of Saudi Arabia telephone network.
  - 2- Audio Video system of the university compass consisting of the following:
    - Two TV production Studios, audio studio and a broadcasting station for cable distribution In the compass via optical fiber network providing five audio FM channels and 12 TV channels down stream and up-stream.
    - Two theatres one of capacity 2500 persons and the other of capacity 750 persons , each having the facility of instantaneous translation in five languages and TV huge display screen.
  - 3- Electrical power station with four Gas Turbines producing 64 M-watts.
  - 4- Building Automation for 14 buildings of area 550.000 m<sup>2</sup> Supervising electronically the following systems:
    - 1- Security of in and out for all the buildings in the whole area via TV Cameras and magnetic cards and keeping record of all events.
    - 2- Fire alarm system for the whole area.
    - 3- Temperature control of all the buildings.
    - 4- Fire fighting in all buildings.
    - 5- Mobile –radio surveillance of the whole area.