

Personal Data (C.V)



FULL Name : Dr \ Hamdy Abdel Kalik Sharshar
Date of birth : 14/7/1956
Place of Birth : Serwhate –Menouf-Menoufia - Egypt
Nationality : Egyptian
Social Status: Married
Present Job : Lecturer- Faculty of Electronic Engineering
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Qualifications:-

- 1- B.Sc. Degree in Electronic Engineering Electronic Engineering in May1979 with (with degree of honour , 92.26%). general grade **EXELLENT**
- 2- M.sc Degree in Antennas & microwave Engineering. From Faculty of Electronic Engineering In 1987.
- 3- Ph. D Degree in Electrical Communication Engineering From Faculty of Electronic Eng Menoufia University EGYPT In 1993.

Courses of Teaching:-

- 1- Electromagnetic waves .
- 2- Communication systems .
- 3- Antennas engineering.
- 4- Communication Engineering .
- 5- Microwave Engineering
- 6- Optical Communication system
- 7- Communication Laboratory
- 8- Communication Circuits.
- 9- Television Engineering .
- 10- Radar System and Its Applications.
- 11- Antennas for Satellite Communication .

Projects for B.sc. Degree:-

- 1- Radar system and its application in traffic
- 2- Some practical
circuits in optical systems
- 3- The educational Television
- 4- Smart antennas and its application in mobile

5- Satellite communication system

Field of Research: Antennas and Wave propagation

PUBLICATIONS

قائمة بالأبحاث المنشورة

أولا : ابحاث منشورة من رسائل الماجستير و الدكتوراة

- 1- K.H. Awadalla And [H.A.Sharshar](#) " A simple Technique for solving electrostatic Proplem " Inter .87, Cairo Conference in Modelling & Simulation March 1987.
- 2- K.H. Awadalla , S.H.Zainud-Deen And [Hamdy A. Sharshar](#) "The small circular helical antenna; Amore exact analytic solution " Proceeding Pf ISAP1992 ,Sapporo, JAPAN
- 3- K.H. Awadalla , S.H.Zainud-Deen and [Hamdy A. Sharshar](#) "Analysis Of normal mode helical Antenna scattere." In IEEE Antenna Propage. Soc Int .SymP.Dig ., Vol .,3,PP. 1731- 1734 , Chicago, 1992 USA
- 4- [Hamdy A. Sharshar](#) , , S.H.Zainud-Deen K.H. Awadalla, "Radiation and scattering of two coupled normal modeholix "Electronic Engineering Bulletin , Faculty of Electronic Eng .,Menoufia University, No . 3,PP. 1-13,1992
- 5- S.H.Zainud-Deen , [Hamdy A. Sharshar](#) and K.H.Awadalla" Synthesis of circular Polarized normal mode helical antenna " Proceeding of the tenth national science conferece , Cairo ,Egypt , 1992.
- 6- S.H.Zainud-Deen [Hamdy A. Sharshar](#) and K.H.Awadalla "Normal mode cross – helix for circularPlarization" Proceeding of international microwaveconference/ Brazil 1993 SBMO. Volum, PP.511-516
- 7- [Hamdy A. Sharshar](#) ,S.H.Zainud -Deen and K.H. Awadalla "Analysis of normal mode helicalantenna on finite ground Plane" proceeding of Al- Azhar engineering third international conference,Cairo,Egypt, 1993.

ثانيا :- ابحاث منشورة بعد الحصول على الدكتوراة

- 1- [S.H. Sharshar](#) ,A.Bahnacy , K.H.Awadalla ,and S.Zainud-Deen" Open loop rectangular antenna " , Proceeding of the national Radio science conference Cairo .Egypt, 1996.
- 2- S.H.Zainud-Deen , [H. Sharshar](#) and A.Bahnacy," Zigzag Antenna on portable equipment " Electronic Engineering Bulletin , Faculty of Electronic EngineeringNenoufia University , No.10 , 1997. "Optimum Design

- 3- S.H.Zainud-Deen ,D.G.Mohrram, [H.A. Sharshar](#),
of Yagi Fractal Arrays using Genetic algorithms " 21th national Radio national
Radio Science Conference (NRSC2004NTI March 16-18-,2004
- 4- S.H.Zainud-Deen, Mourad Ibrahim , [Hamdy Sharshar](#), and Sabry
MM.Ibrahim ," ArrayFailure Corrections with Orthogonalmethod 21th National "
RADIO science Conference (NRCS 2004) (NTI)March 16-18,2004.
- 5- S.H.Zainud-Deen,Eliham H.EL-Shanawany . K.H.Awadalla And [H.A. Sharshar](#)
"Elimination of Backscattering from scatterer Using Genetic Algorithm "Twenty
Second National Radio Conference(NRCS 2005) March15-17,2005 Cairo,Egypt
- 6- S.H.Zainud-Deen, D.G.Moharram, K.H.Awadalla,And [H.A. Sharshar](#) "Circularly
Polarized Switched Parasitic Quadrifilar Helical Arrays " Twenty Second National
Radio Science Conference (NRCS 2005) March 15-17 ,2005 Cairo,Egypt.
- 7- S.H.Zainud-Deen, Mourad S. Ibrahim, SabryM. Ibrahim and [H.A. Sharshar](#)
"Synthesis of Linear Arrays With Shaped Pattern Using Genetic Algorithm and
an or thogonal Method" Twenty Second National Radio Science Conference
(NRCS 2005) March 15-17 ,2005 Cairo,Egypt.
- 8- S.H.Zainud-Deen Saher I.EL-Doda, K.H.Awadalla and "A Simple Lumped
Element Circuit Model For AntennasUsing Genetic Algorithm" Twenty
Second National Radio Science Conference (NRCS 2005) March
15-17 ,2005 (Cairo,Egypt
- 9- S.H.Zainud-Deen, Eman.S. Mady K.H.Awadalla and [H.A. Sharshar](#)
" Adaptive Array of Smart Antennas Using Genetic Algorithm" Twenty Second
(NRCS 2005) March 15-17 ,2005 .
National Radio Science Conference (Cairo,Egypt).
- 10- MoawadDessouky, Mostafa Nofal, [H.A. Sharshar](#)and Yaser Elbagory"Modelingand
Investigating the Rotational Motion Effects of the High Altitude Plate forms " Twenty
Second National Radio Science Conference NRCS 2005) March 15-17 ,2005 (Cairo
Egypt
- 11- E.EL- Deen, S.H.Zainud-Deen, [H.A. Sharshar](#)and & M.A.Binyamin "Control of
Rectangular Dilectric Resonator Characteristics By Ground Plane Shape "23th
National Radio Science Conference(NRCS 2006) March 14-16 ,2006 (Cairo Egypt)
- 12- S.H.Zainud –Deen,M.E.Bader, K.H.Awadalla& [H.A. Sharshar](#) "MicroStrip Antenna
for Detecting Buried Land Mines "23th National Radio Science Conference(NRCS 2006)
March 14-16 ,2006 (Cairo Egypt)
- 13- S.H.Zainud –Deen, S.I.EL-Doda , K.H.Awadalla & [H.A. Sharsha r](#)"Model Based
ParameterEstimation of AntennaInput Impedance and Radiation Pattern "23th National
Radio Science Confe (NRCS 2006) March 14-16 ,2006 (Cairo Egypt)
- 14- S.H.Zainud –Deen ,D.G.Moharram, K.H.Awadalla & [H.A. Sharshar](#) " Switched
Parasitic Array for Diagnosis of ArrayFaults and Direction Finding ""23th National Radio
Science Conference (NRCS 2006) March 14-16 ,2006 (Cairo Egypt).

15- M.Dessouky, M.Nofal, [H.A. Sharshar](#) & Y. Albagory
"Optimization of Beam Direction for High Altitude Cellular Communication Design " "23th National Radio Science Conference (NRCS 2006) March 14-16, 2006(Cairo Egypt)

16- [Hamdy A. Sharshar](#)

"Power distribution and Profile of Antenna Arrays For High Altitude Plat forms Cellular

Communications" Minufiya Journal of Electronic Engineering Reseach (MJEER) Vol 16 No.2 July 2006, PP(115-122), Faculty of Electronic Engineering Minufiya University Also in 13th International Conference on software, Tele communication an Computer Networks(SOFTCOM 2005) September 15-17, 2005, Split –Dubrovnik, Croatia and Italy. 17-M.DESSOUKY [Hamdy A. Sharshar](#) And Yasser Albagory "Efficient Side-Lobe Reduction Technique for Small Sized Concentric Arrays Progress in Electromagnetics Research PIER65, PP187-2006. Also has been accepted for Presentation at the ISSPA

2007 International Symposium on signal processing and its applications, Shsrjah .February 12-15, 2007

18-S.H.Zainud –Deen, E.DEEN [Hamdy A. Sharshar](#) and M.A.Binyamin "interaction Between Mobile Antennas and human Proximites" 23th Annual Review of progress in applied Computational Electromagnetics –March 19-23, 2007-Verona, Italy, 2007 ACES.

19- S.H.Zainud–Deen, H.Malhat K.H.Awadalla & [H.A. Sharshar](#)" [Wavelet Packet Transform](#) with interactive Technique Based on Method of moments " 24th National Radio Science Conference (NRSC 2007) March 13-15, 2007 Faculty of Engineering AinShams University Cairo Egypt . Also in 23th Annual Review of progress in applied

Computational Electromagnetics –March 19-23, 2007 Verona, Italy, 2007 ACES

20- S.H.Zainud –Deen, M.Bader, K.H.Awadalla and [H.A. Sharshar](#)" Microstrip Antenna With Shorting Pins As A Sensor for landmines Detection " 24th National Radio Science Conference (NRSC 2007) March 13-15, 2007, Faculty of Engineering AinShams University Cairo Egypt . Also in 23th Annual Review of progress in applied Computational Electromagnetics –March 19-23, 2007 Verona Italy , 2007 ACES.,

21- M.Desouky, [H.A. Sharshar](#) and Yasser Albagory "Foot print Analysis of High Altitude Platforms Cellular Communication " 2006 China –Japan Joint Microwave Conference

C JMW2006), August 23-25, 2006. Chengdu, China.

22- M.Desouky, [H.A. Sharshar](#) and Yasser Albagory " Uniform Concentric Circular Antennas Arrays (UCCAA) With Central Element Feeding 14th International Conference on Software Telecommunication and Computer Networks, (Soft COM 2006), September 29- October 1, 2006 , Split –Dubrovnik, Croatia and Italy.

23- M.Desouky, [H.A. Sharshar](#) and Yasser Albagory "A Noval Tapered Beam Forming Window For Uniform Concentric Circular Arrays " Journal of Electromagnetic Waves and Applications , 20, No.14, pp 2077-2088, 2006

24- M.Desouky, [H.A. Sharshar](#) and Yasser Albagory" Design of High Altitude Platform s Cellular Communications" Progress In Electromagnetics Research , (PIER)67, PP.251-261, 2007.

25- M.Desouky, [H.A. Sharsha](#) and Yasser Albagory "Optimum Normalized-Gaussian Tapering Window For Side Lobe Reduction In Uniform Concentric Circular Arrays " Progress In Electromagnetics Research , PIER69, pp.35-46, 2007

26- M.Desouky, [H.A. Sharshar](#) and 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. Journal of Electromagnetic Waves and Applications JEMWA ,Vol .21, No .6 ,pp.781-794,2007.

27- M.Desouky, [H.A. Sharshar](#) and Yasser Albagory " Improving The Cellular Coverage From A High Altitude Platform By Novel Tapered Beam forming Technique " Journal of Electromagnetic Waves and Application JEMWA, Vol. 21, No 13,pp.1721-1731,2007