CURRICULUM VITAE

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Personal Information	**Nationality :** Egyptian **Age:** 33 **Place of Birth :** Cairo **Marital status :** married
Academic Background	• **University:** Helwan • **Faculty of engineering** • **Department:** Communications & Electronics • **Graduation year :** May 1998 • **General Grade :** Very Good with Honorary Degree • **Master Degree of Electronic and Communications Engineering** (Multifilar-Curl Antenna)**.** • **Ph.D. degree in the area of analyzing the smart antenna arrays for mobile communication systems.**
Languages	Good command in both spoken and written English
Training	• **NTI National Telecommunication Institute**. • **Radio & Television Union.** • **Computer Language :** ❖ Microsoft Office

	❖ C Programming Language. ❖ Basic Programming Language. ❖ Fortran Programming Language. ❖ Matlab-Software
Experience	• Maintenance Engineer in UPS systems from 1998 to 1999. • Investigator in Faculty of Engineering from 1999 to 2003. • Assistant Lecturer in Faculty of Engineering from 2003 to 2006. • From 2006 until 2008, was a visitor in the Electrical and Computer Engineering Department, University of Connecticut, USA. • Teaching the Following Courses: ❖ Field Theory and Electromagnetic Wave ❖ Microwave Engineering ❖ Antennas ❖ Mobile Systems ❖ Radar ❖ Satellite ❖ Optical Fiber Communications ❖ Antennas Lab ❖ Microwave Lab ❖ Communications Lab

List of Publications

1. S. H. Zainued-Deen, ***K. R. Mahmoud***, Sabry M. M. Ibrahem, and A. A. M. Shaalan, "Multifilar-Curl Antenna," National Radio Science Conference, Egypt, B1, pp. 60-71, March 2002.

   Also, it is published in Menoufiya Journal of Electronic Engineering Research, vol. 12, No. 1, pp. 25-33. January 2002.

2. S. H. Zainued-Deen, ***K. R. Mahmoud***, A. A. M. Shaalan, and Sabry M. M. Ibrahem, "Analysis of Multifilar-Curl Antenna without Ground Plane," ANTEM 2002, 9th International Symposium on Antenna Technology and Applied Electromagnetic, Winnipeg, Manitoba, Canada, pp. 187-190, 2002.

3. S. H. Zainued-Deen, ***K. R. Mahmoud***, A. A. M. Shaalan, and Sabry M. M. Ibrahem, "A Cavity- Backed Quadrifilar-Curl Antenna," 20th National Radio Science Conference, Egypt, March 2003.

4. S. H. Zainued-Deen, ***K. R. Mahmoud***, Sabry M. M. Ibrahem, and A. A. M. Shaalan, "An Improvement In Electrical Characteristics of A Cavity-Backed Octafilar-Curl Antenna," AL-Azhar Engineering 7th International Conference, Egypt, April 2003.

5. S. H. Zainued-Deen, ***K. R. Mahmoud***, Sabry M. M. Ibrahem, and A. A. M. Shaalan, "A Cavity Backed Multifilar-Curl Antennas," IEEE International Symposium on Antennas and Propagation and USNC/CNC/URSI North American Radio Science Meeting, (AP-S), June 2003.

6. S. H. Zainud-Deen, ***K. R. Mahmoud***, M. El-Adawy, and Sabry M. M. Ibrahem, "Design of Yagi-Uda Antenna and Electromagnetically Coupled Curl Antenna Using Particle Swarm Optimization Algorithm," 22th National Radio Science Conference (NRSC 2005), March 15-17, 2005, Cairo, Egypt.

7. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "MPSO-MOM: A Hybrid Modified Particle Swarm Optimization and Method of Moment Algorithm for Smart Antenna Synthesis," Electromagnetics, vol. 28, pp. 411-426, 2008.

8. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "Analysis of Uniform Circular Arrays for Adaptive Beamforming Applications Using Particle Swarm Optimization Algorithm," Int. J. of RF and Microwave Computed Aided Eng., Vol. 18, pp. 42-52, 2008.

9. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, H"A Comparison Between Circular and Hexagonal Array Geometries for Smart Antenna Systems Using Particle Swarm Optimization Algorithm," Progress In Electromagnetics Research, PIER 72, pp. 75-90, 2007.

10. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "Performance Of Circular Yagi-Uda Arrays For Beamforming Applications Using Particle Swarm Optimization Algorithm," Journal of Electromagnetic Waves and Applications, JEMWA, Vol. 22, pp. 353-364, 2008.

11. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "Performance of a Circular Crossed-Dipole Array for SDMA Configuration Adopting Directivity and Polarization Control Using Particle Swarm Optimization Algorithm," published on line in Int. J. of RF and Microwave Computed Aided Eng.

12. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "Investigating the Interaction between a Human Head and a Smart Handset for 4G Mobile Communication Systems," Progress In Electromagnetics Research C, PIERC 2, Vol. 2, 169-188, 2008.

13. ***K. R. Mahmoud***, M. El-Adawy, R. Bansal, S. H. Zainud-Deen, and S. M. M. Ibrahem, "Handset Beamforming Synthesis using PSO for 4G Mobile Communication Systems," 24th PIERs Proceedings, Cambridge, USA, pp. 336-342, 2-6 July 2008.