

Prof. Abdel-Aziz Ibrahim Mahmoud HASSANIN
(SM'1972, M'1978, SM'2003)



Prof. Abdel-Aziz I. Mahmoud, (SM'1972, M'1978, SM'2003) received the B.Sc. degree from Electronics and Communications Department, Faculty of Electronic Engineering, Minufia University, Menof-Egypt. In 1982, received the M.Sc. degree in Antennas form Faculty of Electronic Engineering Minufia University, Menof-Egypt.

In May 1983 he joined the group of Microwave Image Reconstruction in France , LEMO (Laboratoire d'Electromagnetic Micro-ond et Optoelectronique E.N.S.E.R.G. – Grenoble – France), in 1983.

He received the Ph.D. degree in Tomographic Image Reconstruction in Microwave Range from Grenoble University – France and Menfia University - Egypt, in 1988. He has been an associate professor in communication at Minufia University, Menof-Egypt, Faculty of Electronic Engineering, Electronics and Communications Department (1992-2002). He has been at the Electronics and Communications Department, Faculty of Electronic Engineering, Minufia University, Menof-Egypt where professor (2002) is currently. He has authored and coauthored over Thirty Six Articles international scientific journals, symposia proceedings and conferences. He has reviewer for international scientific journals, symposia proceedings and conferences. He is author of several books, Principle of Communications, Planning Communication Network, Field and Wave Propagation, Acoustic, Computer Fundamental and Programming, Simulation by the Computer, Tomographic Image Reconstruction in Microwave Range. He has been a visitor professor for Fly defense, Riyade Telecommunication College Admin- Development General Management- Ministry of P.T.T.- Kingdom of Saudi Arabia, Higher Technological Institute Tenth of Ramadan, Industrial Education Collage, El- Mina University Faculty of Engineering 6 October University Faculty of Engineering, 6 October University Institute of Engineering and Cairo University Faculty of Engineering- Department of Systems Biomedical Engineering.

He is elected a senior member in IEEE, Communications Magazine, Transaction on Microwave Theory and Techniques, Transaction on Antennas and Propagation, Antennas and Propagation Magazine, Biomedical Magazine Microwave Magazine. His area research interests including many aspects of the Design of Communication System, Wireless Communication Measurement techniques, Radio Wave Propagation Modeling, Inverse Scattering Problem in Microwave range, Effect of Microwave, Comprise Numerical method for High and Low Frequency Electromagnetics and Computational Aspects of Scattering and interactions of with Complex Media, Waveguides, Antennas, Electromagnetic Compatibility and High-Frequency Phenomena, Development of Fast Integral-Equations-Based Techniques for Analyzing Electromagnetic Phenomena.. In addition, his work focuses on Tomographic Image Reconstruction Systems Including the Applications of the Electromechanical – Systems. He has organized and offered several courses in these areas.

He has authored or Coauthored over 36 international Journal paper or conference presentation on MOM, TLM, MTLM, MMTLM, GMPT, Hybrid Method of MOM and GMPT, Spectrum Method, communications, dosimetry and Bioelectromagnetics.

He is Consultant of Environmental Affairs, Menfoua University Menouf- Egypt. He is Awarded Menfia University Prize of Scientific Engineering in 25/12/2003.

LIST OF PUBLICATIONS

Prof. Abdel-Aziz I. Mahmoud HASSANIN

Creative Works:

[1] Prof. Mostafa N.E. FAHAMY, Dr. Kamal H.AWADALLA and A.I. Mahmoud HASANIN. " Computer Solution of Vee Dipoles", Proceeding of Eight Annual Operation Research Conference, Vol.8 No. 1 Feb 1982 Special ISSUE Egyptian Journal for Operation Research and Application Statistics, PP. (676-684). Zagazig University.

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[3] Prof. M.BARIBAUD, Prof. A. COMES and A.I. Mahmoud HASSANIN." Tomographic Image Reconstruction of Biological Object Bodies (B.O.B) from Microwave Exploration", 12th International Congress for Statistics Computer Science, Social and Demographic research. Ain Shams University, Cairo-Egypt, 28 March 2 April, 1987, PP. (321-334).

[4] A.I. Mahmoud HASSANIN, Prof. A. COMES and Prof. M.BARIBAUD. "Numerical Simulation of Electromagnetic Field Scattered by biological Object Bodies in Microwave Range", 12th International Congress for Statistics Computer Science, Social and Demographic research. Ain Shams University, Cairo-Egypt, 28 March 2 April, 1987, PP. (311-320).

[5] Prof. M.BARIBAUD, Prof. A. COMES, I. M. EL-DOKANY and A.I. Mahmoud HASSANIN. "A New Location Algorithms for Tomographic Image in Microwave Range", Second International Conference on Micro-Electronic Engineering, Menoufia University and UNESCO ROSTAS, 20-24 December 1889, PP. (297-324).

[6] Prof. M.BARIBAUD, Prof. A. COMES, I. M. EL-DOKANY and A.I. Mahmoud HASSANIN. "Computer Control Measurements and data Acquisition for the Image Reconstruction method by Microwave", Second

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[8] Dr. A. I. Mahmoud HASSANIN, " Solving Various Configuration of Microstrip Antennas using transmission Line matrix", International 90 Al-AIN Conference Signal and System , AL-Ain (United Arab Emirates), January 27-29, 1990 AMSE Press, (PP. 47-59).

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[12] Dr. A. I. Mahmoud HASSANIN, "Computer Simulation for Tomographic Image Reconstruction and Inverse Scattering Problem", Radio Science Conference Egypt URSI and IEEE proceeding of Seventh National Radio Science Conference, Feb 20-22, 1990. Cairo , Egypt. PP. (1-B5 - 9-B5).

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[14] Dr. A. I. Mahmoud HASSANIN, Application of transmission-Line matrix Method to Waveguides with Boundaries", Port-Said Scientific Engineering Bulletin, Vol. 3, Jan 1991, PP. (1- 15).

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