



The Engineering Institute of Canada

Fellow Citation - 2003

Dr. Yahia M.M. Antar - A Member and Fellow of IEEE Canada

Dr. Antar is a graduate electrical engineer who has made his career with the Royal Military College of Canada, where he teaches and carries out a demanding research programme. He has an outstanding reputation in applied electromagnetics including radar studies, microwave engineering, integrated antennas for wireless and satellite, radio wave propagation and electromagnetic modeling of complex structures. He has led the development of a state of the art laboratory at RMC, which is recognized as the best in Canada, and internationally among the best in universities. His research in polarization studies has been recognized by the scientific community as a landmark achievement. It has had direct application in microwave propagation, satellite communication and remote sensing, for example in RADARSAT II.

Dr. Antar has pioneered new research areas in microstrip structures and introduced the concept of Dielectric Resonator Antennas, which is a new type of antenna with great potential. As a result research institutions around the world have followed his lead in the use of analytical models and designs. These new developments have application in radar, wireless and satellite communication.

His reputation is reflected in the positions he holds in the International Union of Radio Science, in which 31 countries participate. Dr. Antar is head of the largest commission. As Chairman he leads the Radio Science community in Canada and represents Canada internationally.

Dr. Antar has recently been nominated by RMC for a Canada Research Chair in Applied Electromagnetics and Microwave Engineering, and has now become the first recipient of this prestigious award. He has supervised many graduate students, including military officers sent by the Department of National Defence to study in the US and abroad. This includes students and scholars from many other countries who are sponsored by their own governments and institutions to work at RMC. Subsequent awards and medals won by Dr. Antar's students are then presented in the presence of delegates from the thirty-four countries representing the International Union of Radio.

The EIC is pleased to recognize the contribution of Dr. Antar. Ladies and Gentlemen, as Fellow of the Engineering Institute of Canada.

Mr. President – Dr. Yahia M.M. Antar