

## Short Professional Biography of Natalia K. Nikolova

**Natalia K. Nikolova** received the Dipl. Eng. (Radioelectronics) degree from the Technical University of Varna, Bulgaria, in 1989, and the Ph.D. (Electrical Engineering) degree from the University of Electro-Communications, Tokyo, Japan, in 1997. Her Ph.D. studies in Japan (1994 to 1997) were supported by a Postgraduate Scholarship from the Government of Japan (Monbusho). From 1998 to 1999, she held a Postdoctoral Fellowship of the Natural Sciences and Engineering Research Council of Canada (NSERC), during which time she was initially with the Microwave and Electromagnetics Laboratory, DalTech, Dalhousie University, Halifax, Canada, and, later, for a year, with the Simulation Optimization Systems Research Laboratory, McMaster University, Hamilton, Canada. In July 1999, she joined the Department of Electrical and Computer Engineering, McMaster University, where she is currently a Professor.

Her research interests include microwave imaging and inverse scattering, theoretical and computational electromagnetism as well as computer-aided design of high-frequency structures and antennas. She has published more than 105 papers in engineering and physics journals, and has contributed to more than 145 refereed conferences in the field of microwave engineering and radar, antenna engineering, numerical methods, and theoretical electromagnetism. In 2017, Prof. Nikolova published the book *Introduction to Microwave Imaging*, which is part of the EuMA High Frequency Technology Series sponsored by the European Microwave Association (EuMA). She has also contributed chapters to five books and is a holder of two patents. In 2011, she was appointed an IEEE Distinguished Microwave Lecturer for a 3-year term and has given numerous invited lectures around the world.

Dr. Nikolova held a University Faculty Award of NSERC from 2000 to 2005. Since 2008, she is a Tier 2 Canada Research Chair in High-frequency Electromagnetics. She is a Fellow of the Institute of the Electrical and Electronic Engineers (IEEE) and a Fellow of the Canadian Academy of Engineering.

Within IEEE, she is a member of the Microwave Theory and Techniques Society and the Antennas and Propagation Society. Within the IEEE Microwave Theory and Techniques Society, she is a member of the following Technical Coordinating Committees: MTT-1 (Computer-aided Design), MTT-15 (Microwave Field Theory), and MTT-10 (Biological Effects and Medical Applications).

She is also a member of the European Microwave Association and a correspondent of the International Union of Radio Science (URSI).

She is a registered professional engineer in the province of Ontario.