

Guest Editor
Joshua L.-W. Li



Joshua Le-Wei Li received his Ph.D. degree in Electrical Engineering from Monash University, Melbourne, Australia, in 1992. In 1992-2010, he was with the Department of Electrical & Computer Engineering at the National University of Singapore (NUS) where he was a Full Professor and the Director of NUS Centre for Microwave and Radio Frequency. In 1999-2004, he was seconded with High Performance Computations on Engineered Systems (HPCES) Programme of Singapore-MIT Alliance (SMA) as a SMA Faculty Fellow. In May-July 2002, he was a Visiting Scientist in the Research Laboratory of Electronics at Massachusetts Institute of Technology (MIT), Cambridge, USA; in October 2007, an Invited Professor with University of Paris VI, France; and in January and June 2008, an Invited Visiting Professor with Institute for Transmission, Waves and Photonics at Swiss Federal Institute of Technology, Lausanne (EPFL) in Switzerland. In 2010, he was invited to join School of Electronic Engineering at University of Electronic Science and Technology of China (UESTC), Chengdu, China where he was selected as a QRJH Chair (or National) Professor and the Founding Director of Institute of Electromagnetics and also Space Solar Energy Applications and Microwave Power Transmission Research Centre. Currently, he is affiliated with School of Engineering at Monash University, Clayton/Sunway, Victoria/Selangor, Australia/Malaysia where he is a Professor of Electrical & Computer Systems Engineering and Director, Monash Multidisciplinary Platform of Advanced Engineering. His current research interests include electromagnetic theory (e.g., dyadic Green's functions), computational electromagnetics (e.g., pre-corrected fast Fourier transform - P-FFT method and adaptive integral method -AIM), radio wave propagation and scattering in various media (e.g., chiral media, anisotropic media, bi-anisotropic media and metamaterials), microwave propagation and scattering in tropical environment, and analysis and design of various antennas (e.g., loop and wire antennas and microstrip antennas). In these areas, he has (co-)authored 2 books (namely, Spheroidal Wave Functions in Electromagnetic Theory (New York: Wiley, 2001); Device Modeling in CMOS Integrated Circuits: Interconnects, Inductors and Transformers (London: Lambert Academic Publishing, 2010), 48 book chapters, over 800 technical papers published and presented, with 9 inventory patents filed. He has graduated over 80 PhD- and Master-degree students, and mentored over 20 post-doctoral fellows and (senior) research scientists. Prof. Li was a recipient of several awards including 2 University Excellent Teacher Award from NUS and UESTC. He has been a Fellow of IEEE since 2005 and a Fellow of The Electromagnetics Academy since 2007. He is currently the Editor of Radio Science and an Associate Editor and an editorial board member of a few international and regional peer-reviewed journals. He serves as a Committee-15 member of IEEE MTT-S since 2007, a Region Representative of IEEE AP-S since 2010, and an IEEE AP-S Distinguished Lecturer (2011-2013).