*IEEE MTT/AP Orlando Chapter Meeting*

# "Shrinking Microwave Filters"

Speaker: Dr. Ming Yu,
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Feb. 21, 4:30-5:30PM
Harris Corporation Building, UCF, Room # 450

Dr. Ming Yu received the Ph.D. degree in electrical engineering from the University of Victoria, Victoria, BC, Canada, in 1995. In 1993, while working on his doctoral dissertation part time, he joined COM DEV, Cambridge, ON, Canada, as a Member of Technical Staff. He was involved in designing passive microwave/RF hardware from 300 MHz to 60 GHz for both space and ground based applications. He was also a principal developer of a variety of COM DEV's core design and tuning software for microwave filters and multiplexers, including computer aide tuning software in 1994 and fully automated robotic diplexer tuning system in 1999. His varied experience also includes being the Manager of Filter/Multiplexer Technology (Space Group) and Staff Scientist of Corporate Research and Development (R&D). He is currently the Chief Scientist and Director of R&D. He is responsible for overseeing the development of company R&D Roadmap and next generation products and technologies, including high frequency and high power engineering, electromagnetic based CAD and tuning for complex and large problems, novel miniaturization techniques for microwave networks. He is also an Adjunct Professor with the University of Waterloo since 2002, ON, Canada. He holds NSERC Discovery Grant from 2004-2013. He has authored or coauthored over 100 publications and numerous proprietary reports. He holds 8 patents with 6 more pending.

Dr. Yu is the chair of IEEE Technical Coordinating Committee (TCC, MTT-8) and the Chair of TPC-11 from 2006-08 (Filters & Multiplexers) of IEEE Microwave Theory and Technique Society. He is a Fellow of IEEE, an associate editor of IEEE Transactions on Microwave Theory and Technique and an IEEE Distinguished Microwave Lecturer from 2010 to 2012. He was the recipient of the 1995 and 2006 COM DEV Achievement Award for the development a computer-aided tuning algorithms and systems for microwave filters and multiplexers.