

Biography of Leung Tsang , September 2011

Leung Tsang was born in Hong Kong. He studied at Kit Ying Kindergarten (Prince Edward Road, Kowloon), Perth Street Government AM Primary School (Perth Street, Kowloon), and Wah Yan Kowloon High School (Waterloo Road, Kowloon). He completed the freshmen year at McGill University, Montreal, Quebec, Canada. He then transferred to the Massachusetts Institute of Technology, Cambridge, Massachusetts, USA. He received the S.B., S.M., and PhD. degrees from the Department of Electrical Engineering and Computer Science of MIT in 1971, 1973 and 1976, respectively. Presently, he is Professor of Electrical Engineering at the University of Washington, Seattle, Washington, where he has taught since 1983. He was Associate Chair for Education in 2004-6. He was the Chair of the Department from August 2006 to September 2011. He was a Research Engineer at Schlumberger-Doll Research Center, Ridgefield, Connecticut in 1976-78 working on acoustic and electromagnetic methods in well-logging for oil and gas exploration. He was a Lecturer and Research Associate at MIT in 1978-80. He was Assistant /Associate Professor at Texas A&M University, College Station, Texas, from 1980-83. Between 2001 and 2004, while on leave from the University of Washington, he was a Chair Professor in the Department of Electronic Engineering at the City University of Hong Kong, Tat Chee Avenue, Kowloon Tong, Kowloon, Hong Kong.

Leung Tsang is the lead author of 4 books. (1) *Theory of Microwave Remote Sensing* (Wiley-Interscience, 1985); (2) *Scattering of Electromagnetic Waves, Vol. 1: Theory and Applications* (Wiley Interscience, 2000); (3) *Scattering of Electromagnetic Waves, Vol. 2: Numerical Simulations* (Wiley Interscience, 2001); and (4) *Scattering of Electromagnetic Waves, Vol. 3, Advanced Topics* (Wiley Interscience, 2001). Leung Tsang has published more than 200 journal articles. His current research interests are in remote sensing and geoscience applications, signal integrity in interconnects, and computational electromagnetics and optics.

From 1996 to 2001, Leung Tsang was the Editor-in-Chief of the IEEE Transactions on Geoscience and Remote Sensing (TGARS). He was an Associate Editor of TGARS between 1988 to 1995, and from 2002 to 2009. He has been on the Editorial Board of the Proceedings of IEEE for the term 2007-2012. He was an Associate Editor of Radio Science in 1988-93. He served on the Editorial Board of Waves in Random Media in 1990-96 and presently is on the Editorial Board of Microwave and Optical Technology Letters and the Journal of Electromagnetic Waves and Applications.

He is a member of International Union of Radio Science (URSI) Commission B and Commission F. He was the General Chairman of the 1998 IEEE International Geoscience and Remote Sensing Symposium (IGARSS 1998). He was the Technical Program Chairman of the 1994 IEEE Antennas and Propagation International Symposium and URSI Radio Science Meeting. He was the Technical Program Chairman of the 1995 Progress in Electromagnetics Research Symposium.

Leung Tsang is a Fellow of IEEE and a Fellow of the Optical Society of America. He

received the IEEE Geoscience and Remote Sensing Society Outstanding Service Award

In 2000. He was also a recipient of the IEEE Third Millennium Medal in 2000. He received the Distinguished Achievement Award from the IEEE Geoscience and Remote Sensing Society in 2008. He is an Honorary Professor of the Department of Electronic Engineering at City University of Hong Kong. In 2010, he received the "Fiorino Oro" (Golden Florin) Prize from CeTeM (Center for Microwave Remote Sensing), Italy.

Leung Tsang was an ex-officio member of IEEE_GRSS ADCOM in 1996-2001. He was a GRSS ADCOM member for 2002-2010. He was President of IEEE_GRSS in 2006-7. Since Jan 2011, he has been an ex-officio member of IEEE_GRSS ADCOM. He served as the Chair of the IEEE TAB Periodicals Committee in 2008-9. He has been a member of the IEEE TAB Periodicals Committee since 2007. He has been the Chair of the IEEE TAB Periodicals Review and Advisory Committee for the term 2010-11. He served on the IEEE TAB Finance Committee in 2008-9. He was a member of IEEE PSPB in 2008-9 and was Vice Chair of PSPB in 2009. He has been a member of the IEEE TAB Nominations Committee for the term 2010-11.

Since March 2008, Leung Tsang has been the President of the Electromagnetics Academy (<http://emacademy.mit.edu/>). The Electromagnetics Academy is a non-profit organization registered in Cambridge, Massachusetts. It was founded by the late Professor Jin Au Kong of MIT who was President until 2008. "The Electromagnetics Academy is devoted to academic excellence and the advancement of research and relevant applications of the electromagnetic theory and to promoting educational objectives of the electromagnetics profession"