



Microwave
Remote Sensing
Center



Istituto di
Fisica
Applicata



Italian
Comm. F



Microwave Remote Sensing Seminar

16 Luglio 2024

Ore 11.00-13.00

Aula 1, Edificio F

“Microwave remote sensing research at the ElectroScience Laboratory”

Prof. Joel Johnson

The Ohio State University, Dept. of Elec. & Comp. Eng., Columbus, OH, US

Joel T. Johnson is the Burn and Sue Lin Endowed Professor in the Department of Electrical and Computer Engineering and ElectroScience Laboratory of The Ohio State University. His research interests are in the areas of microwave remote sensing, radio wave propagation, and electromagnetic wave theory. He has served on the Science Teams for NASA's SMAP and CYGNSS missions, and as the Principal Investigator of the CubeSat Radiometer Radio Frequency Interference Technology Validation (CubeRRT) mission. Prof. Johnson also serves as Principal Investigator for the Ultra-wideband Software-Defined Microwave Radiometer (UWBRAD) for measuring the 0.5-2 GHz brightness temperatures of Earth's cryosphere.

“Radiative Transfer in Vegetation and Forests Based on Full Wave Simulations of 3D Maxwell Equations”

Prof. Leung Tsang

University of Michigan, US

Leung Tsang is the Robert E Hiller Professor of Engineering at the University of Michigan. He is the lead author of 4 books: 'Theory of Microwave Remote Sensing and Scattering of Electromagnetic Waves' (volumes 1, 2 and 3). He was the Editor-in-Chief of the IEEE Transactions on Geoscience and Remote Sensing from 1996-2000, the President of IEEE-GRSS from 2006-2007. He received the Distinguished Achievement Award from IEEE-GRSS in 2008, the Golden Florin Award in 2010, the William Pecora Award co-sponsored by USGS and NASA in 2012, the IEEE Electromagnetics Award in 2013 and the Van de Hulst Light Scattering Award in 2018. He is a Fellow of IEEE, a Fellow of the Optical Society of America (OPTICA) and a member of the US National Academy of Engineering.