

Goldstein Student Center Room 201 Syracuse University



## ABOUT DR. Kishk

Dr. Kishk is currently a Professor at Concordia University, Montréal, Québec, Canada as Tier 1 Canada Research Chair in Advanced Antenna Systems. He holds degrees from Cairo University (BS in Engineering), Ain-Shams University (BSc. in Applied Mathematics) and University of Manitoba, Winnipeg, Canada (M.Eng and PhD).

Please email Michael Enders for parking arrangements at: menders@ieee.org



## Wideband Dually Polarized Microstrip Air Patch Antennas and Dielectric Resonator Antennas



Prof. Ahmed Kishk Concordia University Montreal, Ouebec

For today's communication, wide frequency band, low cross-polarization and high isolations are required for dually polarized antennas. In this presentation, several designs for air patches, Huygens' source antenna, and dielectric resonator antennas are presented. Several excitation techniques are presented to achieve wideband width and high isolations. Bandwidths between 25-50% are achieved with isolation between 30-40dB.



This event is organized by the Syracuse Chapter of the AP/MTT/ EMC Societies of the IEEE.

Refreshments will be served.