# Workshop

# On

# Innovative Trends in Electromagnetic Propagation & Antennas

By

Prof. Abdel Razek Sebak

Concordia University

# Workshop Schedule

## Tuesday, Feb.19, 2013

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|---|---|
| 10:30-12:00 | Carbon-Fiber Composite Materials for Next-generation Aerospace Applications: EM Shielding and Antennas |
| 12:00-12:30 | Dhur Prayer & Coffee Break |
| 13:00-14:30 | High Gain Millimeter Wave Antennas |

## Wednesday, Feb.20, 2013

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| 10:30-12:00 | Ultra-wide Band and Millimeter Wave Antennas for Imaging Systems |
| 12:00-12:30 | Dhur Prayer& Coffee Break |
| 13:00-14:30 | Recent Antennas Research Activities at Concordia University |

The workshop will be held at Electronic Research Institute, 33 Elbehous (El-Tahrir Street), Dokki-Giza, inside the building of National Research Center.

**Dr Abdel Razik Sebak** received the BS degree in Electronic and Communication Engineering from Cairo University, Egypt, in 1976, and in Applied Mathematics from Ain-Shams University, Egypt, in 1978. In 1980 he joined the Department of Electrical Engineering, University of Manitoba, Canada, where he obtained his M.Eng and PhD degrees in 1982 and 1984, respectively.

Dr. Sebak is a professor with Concordia University. Before joining Concordia University, he was a professor at the University of Manitoba and Cairo University. He was also with the Canadian Marconi Company, working on the design of microstrip phased array antennas. Dr. Sebak was a visiting research professor with PSATRI, King Saud University.

Dr Sebak's recent research activities cover two streams: Antenna Engineering, and Analytical and Computational Electromagnetics. Applied and sponsored projects include ultra wideband antennas, microwave beamforming, dielectric resonator antennas, electromagnetic bandgap structures, and high gain mm-wave antennas. Dr. Sebak's original research contributions and technical leadership have been extensive and resulted in over 350 world class publications in prestigious refereed journals and international conference proceedings.

Dr Sebak was inducted as a Fellow of the Institute of Electrical and Electronics Engineers in 2009. He is a member of Concordia University Provost's Circle of Distinction for his career achievements. For his joint efforts in establishing one of the most advanced electromagnetic computational and antennas labs at the University of Manitoba, Dr. Sebak received the Rh Award for Outstanding Contributions to Scholarship and Research. Dr. Sebak received the 1992 and 2000 University of Manitoba Merit Award for outstanding Teaching and Research. In 1996 Dr. Sebak received the Faculty of Engineering Superior Academic Performance.

Dr. Sebak has served as Chair for the IEEE Canada Awards and Recognition Committee (2002-2004) and as the Technical Program Chair for the 2002 IEEE CCECE Conference and the 2006 URSI-ANTEM Symposium. He is a member of the Canadian National Committee of International Union of Radio Science (URSI) Commission B.