

## Posting Detail



Title :	(Reminder) (Updated) Distinguished Lecture on Research on Integral Equation Methods in Computational Electromagnetics in the UESTC By Prof. Jun HU, School of Electronic Engineering, UESTC
Body :	<p style="text-align: center;"><b>Department of Electronic Engineering &amp; State Key Laboratory of Millimeter Waves(Hong Kong)</b></p> <p style="text-align: center;"><b>IEEE AP/MTT HK Joint Chapter</b></p> <p style="text-align: center;"><b>Distinguished Lecture on</b></p> <p style="text-align: center;"><b>Research on Integral Equation Methods in Computational Electromagnetics in the UESTC</b></p> <p style="text-align: center;"><b>By</b></p> <p style="text-align: center;"><b>Prof. Jun HU, School of Electronic Engineering, University of Electronic Science and Technology of China (UESTC)</b></p> <p><i>Date : 04 March 2011 (Friday)</i>  <i>Time : 03:00 p.m. – 04:00 p.m.</i>  <i>Venue : Room G 6302, 6/F, Green Zone, Academic Building, City University of Hong Kong</i></p> <p><b>Abstract</b></p> <p>As accurate numerical method in computational electromagnetics, the integral equation method (IEM) has been playing more and more important role in simulation of electromagnetic problems like the prediction of radar cross section, the design of antenna and antenna arrays, signal integrity and EMC in high speed integrated circuit et al. With development of fast algorithms like multilevel fast multipole algorithm (MLFMA), the IEM has glorious prospect of developments in complicated electromagnetic applications.</p> <p>This talk gives a summary of the recent research on IEM in the UESTC, the content includes the improved electric field integral equation to improve the convergence of iteration for matrix equation, novel basis functions to reduce the number of unknowns, the thin dielectric sheet model for dielectric structures, and domain decomposition methods based on IEM. Some applications will also be presented to demonstrate the efficiency and validity of the above methods.</p> <p>A brief introduction of School of Electronic Engineering of the UESTC will also be given before the start of the talk.</p> <p><b>Biography</b></p> <p>Jun HU received the BS., MS., PhD degree in the University of Electronic Science and Technology of China(UESTC) (Chengdu, Si Chuan) in 1995, 1998, 2000 respectively, all in electromagnetic field and microwave technique area. He is currently a full professor in School of Electronic Engineering, UESTC, also secretary of the same school. His research areas focus on integral equation methods in computational electromagnetics, electromagnetic scattering and radiation, and wave in inhomogeneous media.</p> <p>He received the Excellent Young Paper Award by Chinese Radio Propagation Society in 2004, 2005 New Century Excellent Talent Project of China, Excellent Master Advisor Award in Si Chuan Province, in 2007 and 2009 respectively, also received University Excellent Teaching Award as Young Teacher in 2003, 2008, respectively, and University Excellent Research Award in 2010. His doctoral student received the 2010 best student paper award from IEEE Chengdu Section. He has authored or co-authored over 150 journal papers and conference papers.</p> <p>He is a member of IEEE AP-S, MTT-S, EMC-S, also chair of Student Activity Committee, IEEE Cheng du Section. He serves as Secretary-in-chief of Computational Electromagnetics Committee of Computational Physics Society of China from 2008, as a reviewer for many international journals such as IEEE Transactions on AP, MTT, EMC, IEEE Antennas and Propagation letters, IEEE Microwave and Wireless Component Letters, IET Microwaves, Antennas and Propagation, PIER/JEMWA, etc. He was invited to act as the TPC member of ICMTCE in 2011, PIERS in 2011, the co-chair of organization committee of ICMMT in 2010, the TPC member of APMC in 2009, session chair of many international conferences in Antenna and Propagation area.</p> <p style="text-align: center;"><b>*** ALL ARE WELCOME ***</b></p> <p><b>Enquiries: Prof. Quan Xue, Department of Electronic Engineering</b>  <b>Tel.: 3442 4680 Fax: 3442 0353 e-mail: <a href="mailto:eeqxue@cityu.edu.hk">eeqxue@cityu.edu.hk</a></b></p>
Venue :	Not Applicable
Category :	Academic Seminar
Department/Office :	State Key Lab of Mm Waves (SKL)
Event Start Date :	2011-03-04
Event End Date :	2011-03-04
Attachment :	