



**The Hong Kong Polytechnic University
Department of Applied Mathematics**

**Seminar
on**

**Superconvergence for Maxwell's equations in
metamaterials**

by

**Prof. Jichun Li
Department of Mathematics
University of Nevada Las Vegas**

Abstract

Since 2000, there has been a growing interest in study of metamaterials across many disciplines. In this talk, I'll first give an introduction to metamaterials, and some interesting applications. Then I'll focus on our recent work on superconvergence analysis carried out for the time-dependent Maxwell's equations in metamaterials. Numerical results supporting our analysis will be presented also. This is a joint work with Profs. Qun Lin and Yunqing Huang.

Date : 6 August, 2010 (Friday)
Time : 2:00 – 3:00 p.m.
**Venue : Departmental Conference Room HJ610
The Hong Kong Polytechnic University**

***** ALL ARE WELCOME *****