



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

Colloquium

On

Recent Progress in Microwave and Inductive Heating Models

by

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Abstract

In this talk I will discuss the mathematical models for microwave and inductive heating models. The model problem consists of Maxwell's system coupled with nonlinear heat conduction. I will review various old and recent results about the existence, uniqueness and regularity for the models. Some open questions will be also presented.

Date : 10 April, 2014 (Thursday)

Time : 2:00 p.m. – 3:00 p.m.

Venue : TU717, The Hong Kong Polytechnic University

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