

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Hongcheng Yin**

( *Science and Technology on Electromagnetic Scattering Laboratory* )

报告题目:

**Some Key and Difficult  
Mathematical Problems in the Study  
of Electromagnetic Scattering  
Characteristics of Targets and  
Environment**

邀请人: 曹礼群 研究员

报告时间: 2020 年 1 月 17 日 (周五)

下午 14:00-15:00

报告地点: 数学院南楼九层

902 教室

## **Abstract:**

Although great progress has been made in the research of electromagnetic scattering characteristics of targets and environment, some challenging problems in engineering applications, e.g., detection and intelligent recognition of low scattering targets in complex environment, and new radar system development, are advanced. In this talk, we will introduce some key and difficult mathematical problems encountered in the investigation of electromagnetic scattering characteristics of targets and environment from three aspects, scattering modeling, inverse scattering and intelligent recognition of radar targets. It is expected that by this talk, experts and scholars from mathematics could carry out cooperative research with us and present some effective schemes to the above problems.

**欢迎大家参加！**