

# 数学与系统科学研究院

## 计算数学所学术报告

报告人: **Prof. Peijun Li**

( *Purdue University* )

报告题目:

**Stability in Inverse Source Scattering Problems**

邀请人: 郑伟英 研究员

报告时间: 2017 年 8 月 8 日 (周二)

上午 10:00~11:00

报告地点: 数学院南楼七层

702 教室

## **Abstract:**

**This talk concerns the stability in the inverse source problems for acoustic, elastic, and electromagnetic waves. We develop a unified theory to show that the increasing stability can be achieved. The stability estimates consist of the Lipschitz type data discrepancy and the high frequency tail of the source functions. The results explain that the inverse source problems become more stable when higher frequency data is used.**

**欢迎大家参加！**