# 数学与系统科学研究院

## 计算数学所学术报告

**报告人**：**Professor Yang Wang**

（ *Michigan State University* ）

**报告题目**：

# A Mathematical Study of Authorship Attribution

**邀请人**： 洪佳林、许志强

**报告时间**：2014 年 6 月 4 日（周三）

上午 **10:00**

**报告地点**： 科技综合楼三层 **301**

计算数学所小报告厅

# Abstract：

The recent controversy surrounding the authorship of "The Cuckoo's Calling" by Robert Galbraith had become a headline news in the world. While information leakage was ultimately responsible for the disclosure, mathematics and computer science had played a significant role as well. In this talk I will discuss how mathematics can be used to help with authorship attribution, including for the aforementioned book. I will present a case study where we analyze the long standing authorship controversy surrounding "Dream of the Red Chamber", widely considered to be the greatest masterpiece in Chinese literature. In addition, we shall examine other controversies, e.g. Did Obama write his book "Dreams from my Father" or did Bill Ayers write it? We show how modern techniques such as machine learning can be effective in such investigations.

欢迎大家参加！