数学与系统科学研究院

计算数学所学术报告

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报告题目：

Data Sciences and its Applications to Real World Problems

邀请人：　曹礼群 研究员

报告时间：**2017 年 6 月 20 日（周二）**

下午 16:00-17:00

报告地点：　数学院南楼二层

224 教室

Abstract：

With the rapid advances in computer and data storage technologies, massive data have now been routinely recorded in every sector ranging from science, engineering, medical research, business and social networking, etc. Although the technology enables us to collect and to process large amount of data at high frequency rate, we are still lagging a clear understanding of what is the best way to utilize the available data and how to extract important information and feature from the data set. It should be noted that in addition to artificial intelligent and machine learning, solid knowledge in mathematical and statistical sciences also play an important role in the study of data sciences and its applications to solve real world problems. In this presentation, I review our work on utilizing real data for three practical applications:

(1) Classification in toxicity assessment

(2) Prediction for nonlinear behaviour in aeroelastic systems

(3) Designing an intelligent sprinkler system

欢迎大家参加！