

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Jinchao Xu**

( *The Pennsylvania State University* )

报告题目:

**Sparse Optimization Algorithms for  
Machine Learning**

邀请人: 优化与应用研究中心

报告时间: **2019年7月9日 (周二)**

**下午 15:30-16:30**

报告地点: 科技综合楼三层

**311 报告厅**

## **Abstract:**

**I will begin my talk with an introduction to some basic statistical and deep learning models, including support vector machine, logistic regression and deep neural networks, and discuss their relationship and training algorithms. I will then focus on a special class of optimization algorithms for obtaining sparse machine learning models. I will explain why existing popular techniques such as compressed sensing has not been much used in deep learning and will then present some of our recent theoretical and numerical results on this topic.**

**欢迎大家参加！**