## 数学与系统科学研究院

计算数学所学术报告

报告人: Prof. Shidong Li

( San Francisco State University )

## 报告题目:

On analysis approaches in compressed sensing with coherent frames

邀请人: 许志强 研究员

报告时间: 2014年11月25日周二) 上午10:00

报告地点: 数学院南楼二层 210

会议室

## **Abstract:**

When signals are sparse with respect to a coherent frame, the associated compressed sensing problem becomes much more complicated. Conventional and new analysis approaches for solving such compressed sensing problems will be discussed. **Particular** attention will be on our new approaches of alternative dual-frame based \$\ell 1\$ analysis methods, and their estimations. A of of performance notion sparsity-inducing dual frames (sparse duals) will be Basic properties of sparse duals, and introduced. the sparse-dual-based \$\ell\_1\$-analysis approach and its performance analysis will be major parts of this presentation. Examples will be provided. Most of the presentation is based on the joint work with Tiebin Mi.

## 欢迎大家参加!