数学与系统科学研究院

计算数学所学术报告

报告人： **Dr. Wen Huang**

（ *Universite catholique de Louvain, Belgium* ）

报告题目：

An Introduction to Riemannian Optimization and its Applications

邀请人： 刘歆 副研究员

报告时间：2015 年 12 月 31 日（周四）

上午 **10:00~11:00**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

Riemannian optimization, also called optimization on Riemannian manifolds, considers finding an optimum of a real-valued function f defined on a Riemannian manifold M. Riemannian optimization has been a topic of much interest over the past few years due to many important applications, e.g., blind source separation, matrix completion problems, matrix mean computation, and elastic shape analysis. In this presentation, the framework of Riemannian optimization is introduced, and the history and current state of Riemannian optimization algorithms are briefly reviewed. Elastic shape analysis of curves is used to demonstrate the efficiency and effectiveness of Riemannian optimization.

欢迎大家参加！