

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Ke Chen**

*(EPSRC Liverpool Centre for Mathematics in Healthcare, Centre for
Mathematical Imaging Techniques, and Department of Mathematical
Sciences, University of Liverpool)*

报告题目:

**On Variational Image Registration
Models and Their Applications**

邀请人: 陈冲 博士

报告时间: **2017 年 4 月 20 日 (周五)**

下午 14:00-15:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

In imaging and other inverse problem modeling, there still exist many challenges to be resolved as far as solving real life tasks such as from medical imaging are concerned. In this talk, I will first give a brief summary of image registration, focusing mainly on the underlying problem setting, the challenges and selected recent works. Then I discuss a few diffeomorphic models based on suitable constraints. Finally we present a new model and its associated numerical results to demonstrate its advantages. The talk contains various joint work with collaborators including Daoping Zhang, Abdul Jumaat and Anis Theljani at Liverpool.

欢迎大家参加！