

数学与系统科学研究院

计算数学所学术报告

报告人: **Associate Prof. Xiaoming Yuan**

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报告题目:

**Some Mathematical Revisits to  
Image Processing Models**

邀请人: 张彦芳 博士

报告时间: **2014 年 9 月 1 日 (周一)**

**上午 9:00-10:00**

报告地点: 科技综合楼三层 **311**

计算数学所报告厅

## **Abstract:**

**In this talk, I will revisit some applications arising in image processing, including a total variational retinex model, an image decomposition model and two phase models for estimating point spread functions for both the single- and multi-layered atmospheric turbulence cases. The main purpose is to show that we can gain some mathematical insights if we review these models from the optimization point of view. I plan to show some refinements of modelling and algorithmic implementation by these imaging models. In particular, advanced implementation of some splitting methods will be emphasized.**

**欢迎大家参加!**