

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Fawang Liu**

(*School of Mathematical Sciences, Queensland University of
Technology, Australia*)

报告题目:

**Numerical Simulation of Complex
Fractional Dynamical Systems and
Applications**

邀请人: 毛士鹏 副研究员

报告时间: **2018 年 11 月 23 日 (周五)**

上午 10:00-11:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

In this talk we review some research projects of numerical simulation of complex dynamical system and applications. We will focus on progress, challenges and open questions in fractional calculus including microwave heating, FASTMET process, adsorption transport problem, seawater intrusion into aquifers, numerical methods of fractional partial differential equations (FPDE), anomalous subdiffusion equations, distributed order FPDE, variable order FPDE, anomalous diffusion in human brain tissue, fractional model of the human heart, tidal watertable fluctuations model and fractional viscoelastic non-Newtonian fluids.

欢迎大家参加！