

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**An informal introduction to the
Uncertainty Quantification Center at
the King Abdullah University of
Science and Technology**

报告时间: **2013年8月1日 (周四)**

下午15:30~16:10

报告地点: **科技综合楼三层311**

计算数学所报告厅

Abstract:

We will present the structure and the activities of the recently created Strategic Research Initiative Center on Uncertainty Quantification, which is led by the speaker. The objectives of this Center are to

- (1) Develop state of the art Uncertainty Quantification (UQ) and Validation and Verification (VV) methods, algorithms, and software;
- (2) Apply UQ and VV tools to enable high-impact applications including, among others,
 - green wireless communications,
 - complex multi-scale electromagnetic systems, and
 - reactive computational fluid dynamics;
- (3) Train graduate students and post-docs in both methodologies and applications;
- (4) Establish and maintain synergistic collaborations with leading organizations world-wide such as the Chinese Academy of Sciences (CAS); and
- (5) Disseminate research results and pursue technology transfer both to the private and public sectors.

We would also like to mention a Dual Degree Program between KAUST and at University of Chinese Academy of Sciences (UCAS). This program enables outstanding master's and PhD level candidates to study both at KAUST and at UCAS, and to earn two degrees - one from each university.

欢迎大家参加!