数学与系统科学研究院

计算数学所学术报告

报告人： **Dr. Beibei Huang**

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报告题目：

Computational Challenges in Modeling of Self-assembly of Charged Polymers

邀请人： 卢本卓 研究员

报告时间：**2015** 年 **9** 月 **28** 日（周一）

上午 **10:00-11：00**

报告地点： 数学院南楼七层

702 会议室

Abstract:

Self-assembly is a spontaneous and reversible organization of molecular units into ordered structures. The self-assembly process plays an important role in materials science and life science. My talk focus on the computer simulation of self-assembly by linear charged polymers in ionic solution. In one case Poisson-Boltzmann (PB) theory is considered in the numerical simulation of of self-assembly phenomenon, and in another case it is incorporated with the Single Chain Mean Field (SCMF) theory to simulate several charged nanosystem numerically.

欢迎大家参加！