

清华大学  
高等研究院

Institute for Advanced Study, Tsinghua University

# 杰出学人讲座

## Distinguished Scholar Lectures

2017年10月17日 (周二) 下午4点

清华大学高等研究院 科学馆三楼322报告厅



## Intertwined Order in Highly Correlated Electron Fluids

*Steven A. Kivelson*

美国科学院院士，斯坦福大学讲席教授

Prabhu Goel Family Professor of Physics, Stanford University

Using the cuprate high temperature superconductors as the best studied illustrative example, I will discuss the question - Why are the phase diagrams of highly correlated electronic systems so complicated?

Prof. Kivelson obtained his Ph.D. from Harvard University in 1979. He was a professor at State university of New York at Stony Brook from 1982 to 1988 and then went to UCLA as a professor from 1988 to 2004. He moved to Stanford University in 2004. Now he is the Prabhu Goel Family Professor of Physics at Stanford University. Prof. Kivelson was elected as Fellow of the American Academy of Arts and Sciences in 2001 and as Member of National Academy of Sciences in 2010. He was awarded John Bardeen Prize in 2012. Moreover, he has mentored dozens of PhD students and postdocs who have been very successful in their fields of research.

Prof. Kivelson has made many seminal contributions to condensed matter physics. He is a pioneer in many fundamental concepts and models in correlated electron systems. Examples include fractional topological charges, electron nematic/sematic states, spin-liquid phases, high-temperature superconductivity, and so on. His publications have been cited more than 30000 times and his H-index is 87.

