

THE INTERNATIONAL CONFERENCE ON STRONGLY CORRELATED ELECTRON SYSTEMS

May 13-18, 2007 Houston, TX, USA



CALL FOR ABSTRACTS ★ WWW.SCES07.RICE.EDU

Topics

- Quantum phase transitions
- Heavy fermion systems
- Quantum magnetism and frustrated magnets
- High temperature superconductivity
- Organic conductors and magnets
- Low dimensional systems
- Non-Fermi liquids and exotic quantum phases
- Unconventional and novel superconductors
- Kondo impurity and Kondo lattice systems
- Mott-Hubbard systems
- Interplay between spin-, charge-, and orbital degrees of freedom
- Correlated electrons in nanostructures
- Quantum Hall liquids
- Mathematical models and computational studies
- Correlated atoms in optical lattices
- New developments

Registration

On-line Pre-registration is mandatory for all conference attendees. Please visit the On-line Registration Portal at www.sces07.rice.edu for pre-registration, which allows access to the payment process, registration of accompanying persons, abstract submission, and further announcements.

Important Dates and Deadlines—2007

Abstract submission deadline	January 15
Notice of abstract acceptance	February 15
Early registration deadline	April 1
Hotel reservation deadline	April 1
Manuscript submission deadline	April 1

Scope

SCES'07 will cover a wide range of topics in the diverse area of strongly correlated systems. The focus will be on quantum phase transitions, non-Fermi liquid phenomena, quantum magnetism, unconventional superconductivity, and metal-insulator transitions. Both experimental and theoretical work will be highlighted. Mathematical models and computational studies will also be covered. The conference will not only provide a forum to present new research and exchange new ideas, but also introduce the subjects to junior researchers.

The correlated electronic and magnetic materials to be featured include f-electron based heavy fermion intermetallics, d-electron based transition metal compounds, and organic solids. Nanoscale structures and ultracold atoms in optical lattices, which have emerged as model systems to study correlation physics, will also be addressed.

Conference Contacts

Co-Chairmen:

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Umbe Cantu (Rice) & Sue Butler (UH)

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