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*to be confirmed
SCOPE
SCES’07 will cover a wide range of topics in the diverse area of strongly correlated systems. 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. The conference will seek to deepen our understanding of the rich physical phenomena that arise from correlation effects. The anticipated 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 provide a forum to present new research and exchange new ideas. It will also facilitate cross fertilization among the different subjects, and introduce these subjects to junior researchers. Presentations will consist of plenary, invited and contributed talks/symposia complemented by busy poster sessions.

SCES’07 will add Houston to the long list of cities that welcomed the conference series: Sendai (‘92), San Diego (‘93), Amsterdam (‘94), Goa (‘95), Zürich (‘96), Paris (‘98), Nagano (‘99), Ann Arbor (‘01), Krakow (‘02), Karlsruhe (‘04), and Vienna (‘05). Every three years since 1997, SCES has been joining the triennial International Conference on Magnetism, held in: Cairns (‘97), Recife (‘00), Rome (‘03), and Kyoto (‘06).

CONFERENCE VENUE
SCES’07 will be held in downtown Houston at the Hilton Americas-Houston, the largest convention hotel in the city.

TENTATIVE LIST OF 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

PROCEEDINGS
All authors of contributions to SCES’07 are invited to submit a paper to appear in the proceedings and to be published in an international journal. Each paper contributed will be subject to standard refereeing procedures.

IMPORTANT DATES AND DEADLINES
Second announcement Oct. 2006
Abstract submission deadline Jan. 15, 2007
Notification of acceptance of abstracts Feb. 15, 2007
Early registration deadline April 1, 2007
Hotel reservation deadline April 1, 2007
Manuscript Submission deadline April 1, 2007

CONFERENCE CONTACTS
Co-Chairmen: Q. Si (Rice) & C. W. Chu (UH)
Administrators:
  Umbe Cantu (Rice), umbe@rice.edu
  Sue Butler (UH), sbutler@uh.edu
Website: http://www.sces07.rice.edu
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