International Workshop on

Nanoscale Fluctuations in Magnetic and Superconducting Systems

May 10 - 14, 2005

Scientific coordinators:

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Université Paris-Sud	Florida State University	University of Florida	University of Texas
Orsay, France	Tallahassee, USA	Gainesville, USA	Austin, USA

Organisation:
Katrin Lantsch
MPIPKS
Dresden, Germany

This workshop is designed to bring together experts working on the specific influence of inhomogeneities and defects on the properties of correlated electron materials. Participants should be researchers concerned with such problems from the fields of high-T_c superconductivity, dilute magnetic semiconductors, manganites, heavy fermions, organics, or related materials, which have in common the existence of inhomogeneities in electronic structure at the meso- or nanoscale, possibly "intrinsic" to the materials in question.

We hope to discuss ideas and approaches from these disparate fields related to electronic inhomogeneity. The goal is to promote a serious conversation about possible common origins of charge and orbital ordering, local phase separation, fluctuating vs. static order, and coexistence vs. competition of magnetism/superconductivity with each other, as well as with more exotic ordered states. Our intention is to leave maximal amount of time for discussion so that we can get to the heart of problems common to the various subfields.

Partial list of speakers:

Y. Ando - Tokyo
D. Argyriou - Berlin
J. Bobroff - Orsay
L. Brey - Madrid
D. Broun - Burnaby
J. Cibert - Grenoble
J.C. Davis - Ithaca
T. Dietl - Warsaw
H. Eisaki - Tsukuba
M. Hennion - Gif-sur-Yvette
D. Khomskii - Cologne
P. Koenrad - Eindhoven
D.-H. Lee - Berkeley
J. Mannhart - Augsburg
H. Ohno - Sendai
G. Papavasiliou - Athens
N. Samarth - University Park
M. Sigrist - Zurich
A. Yazdani - Urbana
J. Zaanen - Leiden
G. Zarand - Budapest
S.-C. Zhang - Stanford

Application forms can be filled in online on the workshop's webpage. The deadline for applications is February 15, 2005. The registration fee is 100 €. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. In exceptional cases, limited funding is available to partly cover travel expenses, particularly for younger participants.

For further information please contact:
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