MAX-PLANCK-INSTITUT FÜR PHYSIK KOMPLEXER SYSTEME, DRESDEN, GERMANY

International Seminar and Workshop on

Competing Orders, Pairing Fluctuations, and Spin Orbit Effects in Novel Unconventional Superconductors

June 30 - July 11, 2008

Scientific coordination:

J.F. Annett
University of Bristol
UK

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Organisation:

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Many unconventional superconductors are highly correlated and complex systems whose phase diagrams include magnetic, superconducting, and charge ordered phases in close proximity. In spite of substantial theoretical and experimental progress, their electronic structure and properties are far from being fully understood, even the interpretation of key experimental probes remain a subject of debate. This workshop focuses on a number of important open problems in the field of unconventional superconductivity and will bring together some of the leading experimental and theoretical experts in this field to directly address some of the most pressing controversies. The scope of the workshop spans a large number of very different families of materials, and includes superconductivity in heavy-fermion compounds, the cobaltates, as well as non-centrosymmetric superconductors and the coexistence of superconductivity and magnetism.

Invited speakers (to be confirmed):*

H. Alloul (France)
C. Broholm (USA)
P. Coleman (USA)
P. Fulde(Germany)
B. Huxley (UK)
G. Kotliar (USA)*
G. Lonzarich (UK)*
I. Mazin (USA)
C. Pfleiderer (Germany)
F. Steglich (Germany)
Z.-Q. Zheng (Japan)
E. Bauer (Austria)
C. Castellani (Italy)
N. Curro (USA)
R. Greene (USA)
K. Ishida (Japan)
P. Lemmens (Germany)
A. Mackenzie (UK)
V. Mineev (France)
A. Schofield (UK)
P. Thalmeier (Germany)
G. Zwicknagl (Germany)
G. Blumberg (USA)
A. Chubukov (USA)
P. Dai (USA)
C. Gros (Germany)
B. Keimer (Germany)
H. von Löhneysen (Germany)*
B. Maple(USA)
C. Pepin (France)
M. Sigrist (Switzerland)
G. Volovik (Russia)

Applications for participation and poster contributions are welcome and should be made by using the application form on the workshop web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **100 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

Deadline for registration is April 15, 2008.

For further information please contact:
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