

Conference chairman

Prof. Dr. Hilbert v. Löhneysen,
Universität Karlsruhe and Forschungszentrum Karlsruhe

Conference secretary

Dr. Gernot Goll, Universität Karlsruhe

Conference website

<http://www.sces04.physik.uni-karlsruhe.de>

Conference e-mail address

sces04@physik.uni-karlsruhe.de

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| | |
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THE INTERNATIONAL CONFERENCE ON STRONGLY CORRELATED ELECTRON SYSTEMS



July 26 - 30, 2004
Karlsruhe, Germany

SCES '04
Universität Karlsruhe
Physikalisches Institut
Wolfgang-Gaede-Str. 1
D-76128 Karlsruhe



Scope

SCES '04 will follow the series of the conferences in Paris (1998), Nagano (1999), Ann Arbor (2001), and Krakow (2002). SCES symposia were held at the International Conference on Magnetism in Recife (2000) and Rome (2003). SCES '04 will cover traditional subjects such as f-electron compounds and heavy fermion systems, as well as other strongly correlated electron systems and new types of superconductivity arising from electron correlations. The objective of the conference is not only to provide a forum for discussion of new results but also to introduce these subjects to young researchers.

Presentations will consist of plenary talks (45 min), invited talks (30 min) and contributed talks (15 min). In addition, specially scheduled poster sessions will be conducted.

Conference Site

Karlsruhe is – by European standards – a young city, having been founded in 1715. Its unique layout with the former Duke's Palace in the center, as well as the many parks and gardens, make Karlsruhe a beautiful and lively city. Among the major cultural attractions are the world famous Center for Art and Media Technology (ZKM) and numerous museums. In addition, Karlsruhe is the gateway to the romantic Black Forest, to the old university town of Heidelberg and to the beautiful Alsace region with its capital Strasbourg in France.



The conference will be held on the campus of the University of Karlsruhe, conveniently located less than 1 km from the city center and palace.

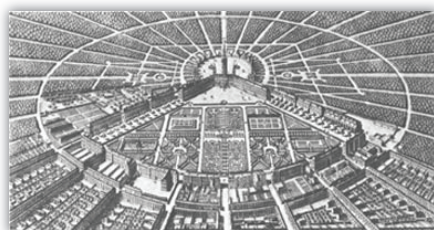


Tentative List of Topics

- Heavy fermion and other intermetallic f-electron compounds
- Non-Fermi liquid behavior
- Quantum phase transitions and quantum liquids
- Kondo impurity and Kondo lattice systems
- Systems with orbital degrees of freedom (manganites)
- Superconductivity and its coexistence with magnetism
- Exotic superconductors
- Mott-Hubbard systems
- Correlated quantum dots and other mesoscopic systems, Hall liquids
- Experimental techniques
- New materials

Proceedings

All authors of contributions to SCES '04 are invited to submit a paper to appear in the proceedings and to be published as a special issue of Physica B, subject to refereeing.



Important dates and deadlines

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| Second announcement | November 2003 |
| Abstract submission | February 29, 2004 |
| Notification of acceptance of abstracts | March 31, 2004 |
| Payment conference fee and hotel reservation | May 31, 2004 |
| Paper submission | May 31, 2004 |



Preliminary Registration Form

International Conference on Strongly Correlated Electron Systems SCES '04

Please keep me informed about SCES '04

I will probably attend the conference

I will submit a contribution

Name

Laboratory

Address

City, Postal code

Country

Fax

E-Mail

I hereby agree that my personal data may be used in a database created for the purpose of SCES '04 organization

(signature)

