

## FIRST CIRCULAR – CMT26

### XXVI INTERNATIONAL WORKSHOP ON CONDENSED MATTER THEORIES

Luso, Portugal, 2-7 September 2002

The International Workshop on Condensed Matter Theories is an annual scientific meeting which has been hosted by various countries in the Americas, Europe, and Asia. The Twenty-Sixth Workshop of the series will be held in Luso, Portugal, under the sponsorship of the University of Coimbra, through its Centers for Theoretical and for Computational Physics.

**Program.** The orientation of the Workshops on Condensed Matter Theories has traditionally been highly interdisciplinary, emphasis being placed on the common concerns of theorists applying advanced many-particle methods in such diverse areas as Solid-State, Low-Temperature, Atomic, Nuclear, Particle, Statistical, Astronomical, Chemical, and Biological Physics. Adhering to this tradition, while focusing on current developments and priorities within condensed-matter theory, the XXVI International Workshop on Condensed Matter Theories (CMT26) will highlight advances in Correlated and Low Dimensional Systems along with Bose-Einstein Condensation, Collective Modes in Finite Systems, Coherence of Atomic Levels under Extreme Conditions, Molecular Dynamics, Phase Transitions and Collective Flow. This Workshop will provide a forum at which specialists on various aspects of Clustering in Atoms and Nuclei, Superconductivity, Superfluidity, and Relativistic Atomic, Molecular, and Nuclear Physics and Astrophysics may be informed of the latest developments and newest techniques in these areas and may exchange ideas with researchers from a wide variety of countries. The celebration of the Golden Jubilee of the Unified Model of the Nucleus is also an important objective of the Workshop.

The interchange of points of view between theorists with distinct scientific interests and applying different modern techniques is expected to give rise to a highly stimulating atmosphere. Such exchanges are expected, for example, to help clarify key current problems such as the mechanism of interaction between the single-particle behavior and collective motion with large amplitude, the time scale of fission, dissipation and pre-fission configurations in low-energy fission, relativistic heavy-ion collisions, etc.

About 50 invited talks of 30 minutes duration will be delivered at the plenary sessions; in addition, some poster sessions are planned. The invited lectures will be published as Volume 18 of the series *Condensed Matter Theories*.

**Participation.** Participation is by invitation only and is limited to approximately 50. Those interested in attending should return the attached form by May 15, 2002, indicating a proposed topic or title. Qualified applicants, irrespective of nationality, will be eligible for consideration as participants of CMT26.

**Venue.** The Workshop will take place at Luso, a fashionable spa located in a touristic region about 200 km North of Lisbon. Participants will be housed in the modern *Grande Hotel das Termas do Luso*.

**Financial Arrangements.** As in past Workshops, pending the success of applications to funding agencies, the Workshop organizers plan to cover the local expenses of the invited speakers during the 6 days of the Workshop. In general, the organizers will not be able to provide support for travel to Luso. However, some limited funds may be available for partial travel support of a few participants from developing countries, through the Workshop Trust Fund or other sources. Financial support for CMT26 is being sought from the Junta Nacional de Investigação Científica e Tecnológica, Calouste Gulbenkian Foundation, Orient Foundation, Fundação Luso-Americana para o Desenvolvimento, Departamento de Física da Universidade de Coimbra, Institute for Scientific and Technological Advanced Studies, the U.S. National Science Foundation, and the U.S. Army Research Office.

#### Principal Contacts

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*PRELIMINARY REGISTRATION FORM*

**I am interested in attending CMT26 .....**

**Please send me the Second Circular.**

Title & Full Name Mr. / Ms./.....

Affiliation.....

Mailing Address.....

City.....Postal Code.....Country .....

Telephone.....Fax.....E-mail .....

(Tentative) title of proposed contribution .....

.....

Date.....Signature .....

**Please return (preferably by E-mail or fax) before MAY 2, 2002 to:**

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