

ICTP-NSFC-ICTS
**Asian/Pacific Regional School on: "Electronic Structure Methods and
Their Applications"**

19 - 30 July 2004

Beijing, P.R. China

GUIDELINES FOR REQUESTING PARTICIPATION

GENERAL

- Scientists and students from all countries which are members of the United Nations, UNESCO or IAEA may attend the activity.
- Participants must have an adequate working knowledge of English, Linux and Fortran.
- Although the main purpose of the Centre is to help research workers from developing countries, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend.
- There is no registration fee to be paid.

FINANCIAL SUPPORT

- May be requested only by candidates who are nationals of, and working in, a developing country, and who are not more than 45 years old.
- Limited funds are available for a few participants, to be selected by the Organizers, and who accept to attend the entire activity.

REQUEST FOR PARTICIPATION

The **Application Form** should be completed and returned before **31 March 2004** to:

E-mail requests are NOT accepted.

For applicants from China mainland: to

Interdisciplinary Center of Theoretical Studies, CAS
Ref. smr.1592
Zhong Guan Cun, P.O. Box 2735
100080 Beijing, China
(tel. +86-10-82640456 - fax +86-10-82640409 - icts@itp.ac.cn)

For applicants from all other countries and regions: to

The Abdus Salam I.C.T.P.
Asian/Pacific School (Ref. smr. 1592)
Strada Costiera, 11
34014 Trieste, Italy
(tel. +39-040-2240540 - fax +39-040-224163 - cm@ictp.trieste.it)

the ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS (ICTP)

NATIONAL NATURAL SCIENCE FOUNDATION OF CHINA (NSFC)

INTERDISCIPLINARY CENTER OF THEORETICAL STUDIES (ICTS)

APPLICATION FORM

Asian/Pacific Regional School on: "Electronic Structure Methods and Their Applications"

19 - 30 July 2004

INSTRUCTIONS

Each question must be answered clearly and completely. Type or print in ink. If more space is required, attach additional pages. This form should be forwarded to the address specified above **to arrive no later than 31 March 2004.**

A recent photograph of the candidate should be attached here, signed

NOTE: This request will be processed only if the permanent address (and present address, if different) is clearly indicated. The ICTP cannot process any visa request, unless all requested personal data are provided.

PERSONAL DATA

SURNAME/FAMILY Name: MAIDEN Name: First name: Middle name(s): Sex:
For women only (if applicable)

IMPORTANT: PLEASE ALSO COMPLETE THIS SECTION, IF YOUR NAME(S) IN YOUR PASSPORT ARE SPELT DIFFERENTLY FROM THE ABOVE.

SURNAME/FAMILY Name: MAIDEN Name: First name: Middle name(s):
For women only (if applicable)

Place of birth (City and Country): Present nationality: Date of birth:
Day - Month - Year

Full name/address of permanent Institution: Institute: Tel. No.
Your Office: Telefax
E-mail: * Tel. No.
Telefax

Full name/address of present Institution : Institute: Tel. No.
(if different from permanent) Your Office: Telefax
E-mail: * Tel. No.
Telefax

until: Date

Home address: Tel. No.

Mailing address - please indicate whether: Permanent Institute ☐ Present Institute ☐ Home ☐

Name and address of person to notify in case of emergency - Relationship: Tel. No.

* I agree that my e-mail address(es) may be made public on the ICTP WWW page: YES ☐ NO ☐

EDUCATION (higher degrees)

University or equivalent

Name and place

Years attended

From to

Degrees

Seminars, summer schools, conferences or research

Name and place

Year

SCIENTIFIC EMPLOYMENT AND ACADEMIC RESPONSIBILITY

Research Institution or University

Name and place

Period of duty

From to

Academic

responsibilities

Present employment and duties, and foreseen employment upon return to home country after the activity:

Have you participated in past ICTP activities? If yes, which?

Yes ☐

No ☐

Are you applying to any other 2004 ICTP activities? If yes, which?

Yes ☐

No ☐

Mention briefly your previous research experience, and explain your reasons for wishing to participate in this activity:

NB: Our Scientific Information System keeps track of all applications made by the candidate to earlier ICTP activities. As a consequence, when the subject of the present activity is far from your previous applications, an explanation (not more than 200 words) of your change of interest should be included.

PRESENT FIELD OF INTEREST (please indicate on the list below your **TWO** primary fields of interest, in order of priority).

10. PHYSICS OF CONDENSED MATTER

- 11. Solid State Physics
- 12. Atomic and Molecular Physics
- 13. Materials Science
- 14. Surfaces and Interfaces
- 15. Statistical Physics
- 16. Computational Physics in Condensed Matter

20. PHYSICS OF HIGH AND INTERMEDIATE ENERGIES

- 21. High Energy and Particle Physics
- 22. Relativity, Cosmology and Astrophysics
- 23. Plasma Physics
- 24. Nuclear Physics

30. MATHEMATICS

- 31. Applicable Mathematics, including:
 - Mathematical Ecology,*
 - Systems Analysis*
 - Mathematical Economy*
 - Mathematics in Industry*
- 33. Algebra
- 34. Geometry
- 35. Topology
- 36. Differential Equations
- 37. Analysis
- 38. Mathematical Physics

40. PHYSICS AND ENERGY

- 41. Physics of Nuclear Reactors
- 42. Physics of Controlled Fusion
- 43. Non-Conventional Energy
 - (Solar, Wind & others)*
- 44. Nuclear Energy related technologies

50. PHYSICS AND ENVIRONMENT

- 51. Solid Earth Geophysics
- 52. Soil Physics
- 53. Climatology and Meteorology
- 54. Physics of the Oceans
- 55. Physics of Desertification
- 56. Physics of the Atmosphere, Troposphere, Magnetosphere, Aeronomy
- 57. Environmental Monitoring and Remote Sensing

60. PHYSICS TEACHING

- 61. English
- 62. French
- 63. Spanish
- 64. Arabic

80. MISCELLANEOUS

- 81. Others
- 82. Digital Communications & Computer Networking
- 83. Quantum Computation, and related

90. PHYSICS OF THE LIVING STATE

- 91. Neurophysics
- 92. Biophysics
- 93. Medical Physics

AO. APPLIED PHYSICS

- A1. Physics in Industry
- A2. Microelectronics
- A3. Fibre Optics for Communications
- A4. Instrumentation
- A5. Synchrotron Radiation
- A6. Non-destructive Evaluation
- A7. Lasers
- AA. Applied Superconductivity

B1. SPACE PHYSICS

Kindly supply a keyword description of your current scientific activities, as follows (*strictly within indicated lengths*) :

1) Area of research: (e.g. CONDENSED MATTER PHYSICS)

(no more than 50 characters)

2) Specific topic of interest: (e.g. ELECTRONIC STRUCTURE CALCULATIONS, OPTICAL PROPERTIES)

(no more than 50 characters)

List your **scientific publications** including books and articles (authors, title, Journal) in the last five years:
(use separate sheet in case of need)

Kindly state any positions you hold in the scientific administration of your Institution or any of the national scientific Institutions.

Indicate below your proficiency in the English language

Reading:	Good	<input type="checkbox"/>	Writing:	Good	<input type="checkbox"/>	Speaking:	Good	<input type="checkbox"/>
	Average	<input type="checkbox"/>		Average	<input type="checkbox"/>		Average	<input type="checkbox"/>
	Poor	<input type="checkbox"/>		Poor	<input type="checkbox"/>		Poor	<input type="checkbox"/>

Indicate below (only required if applying for the tutorial part - II week) your proficiency in the use of:

Linux:	Good	<input type="checkbox"/>	Fortran 77/90:	Good	<input type="checkbox"/>	c/c++:	Good	<input type="checkbox"/>
	Average	<input type="checkbox"/>		Average	<input type="checkbox"/>		Average	<input type="checkbox"/>
	Poor	<input type="checkbox"/>		Poor	<input type="checkbox"/>		Poor	<input type="checkbox"/>

REQUEST for Financial Assistance

APPLICABLE ONLY TO CANDIDATES WHO ARE NATIONALS OF, AND WORKING IN, A DEVELOPING COUNTRY, AND WHO ARE NOT MORE THAN 45 YEARS OLD.

(Important: Owing to limited funds, support for travel will be granted only in exceptional cases. Therefore, every effort should be made by applicants to secure support for their fare (or at least a partial contribution) from their home country).

(Please tick ONE box only)

- | | |
|--|---|
| <input type="checkbox"/> Full Travel + Subsistence | <input type="checkbox"/> Subsistence only |
| <input type="checkbox"/> Half Travel + Subsistence | <input type="checkbox"/> No financial support requested |

I certify that if granted funds for my travel, I shall attend the whole activity

.....
Signature

I am applying for attendance:

- BOTH weeks (19 - 30 July) - ADVANCED AND TUTORIAL PARTS	<input type="checkbox"/>
- FIRST week (19 - 23 July) only - ADVANCED PART	<input type="checkbox"/>

Signature of applicant

Date

Remark: It would be of assistance to the Selection Committee if this request for participation were accompanied by a letter of recommendation, especially for junior physicists,