



Common Concepts in Statistical Physics and Computer Science

2-6 July 2007

ICTP - Trieste, Italy

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.
- 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.
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REQUEST FOR PARTICIPATION

The **Application Form** should be completed and returned before **21 March 2007** to:

Common Concepts in Statistical Physics and Computer Science
(SMR 1850)
the Abdus Salam International Centre for Theoretical Physics
Strada Costiera 11
34014 Trieste, Italy

or

by fax: +39-040-224163

CONFERENCE SECRETARIAT Telephone: +39-040-2240284
Telefax: +39-040-224163
E-mail: smr1850@ictp.it
ICTP Home Page: <http://www.ictp.it/>

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION
and
INTERNATIONAL ATOMIC ENERGY AGENCY

the ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

Strada Costiera 11
I-34014 Trieste
Italy

Telephone: +39-040-2240284
Telefax: +39-040-224163
E-mail: SMR1850@ictp.it

APPLICATION FORM

Common Concepts in Statistical Physics and Computer Science

2-6 July 2007

INSTRUCTIONS

Each question must be answered clearly and completely. Type or print in ink. Return form to:
the Abdus Salam International Centre for Theoretical Physics, *Common Concepts in Statistical
Physics and Computer Science* (SMR 1850), Strada Costiera 11, 34014 Trieste, Italy
to arrive no later than 21 March 2007.

A recent photograph of
the candidate should
be attached here, signed
legibly on the reverse.

This request will be processed **only** if the **full** 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.
Telefax
Your Office: Tel. No.
Telefax
E-mail: *

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

until: Date

Home address: Tel. No.

Mailing address - please indicate one:.....PermanentPresent 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

PROFESSIONAL DATA

EDUCATION *(higher degrees)*

University or equivalent

Name and place

Years attended

From

to

Degrees

EMPLOYMENT

Previous

Institute / Place

Period of duty

Academic Responsibilities

Present employment and duties, and **foreseen** employment upon return to home country after the activity (*if different*):

State any **positions** you hold in the scientific administration of your Institution or any national Scientific Institution:

List your **scientific publications** including books and articles (authors, title, Journal) in the last five years:

Seminars, summer schools, conferences or research attended:

Name and place

Year

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

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

B1. SPACE PHYSICS

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

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.*

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

1) **Area of research:**

(no more than 50 characters)

2) **Specific topic of interest**

(no more than 50 characters)

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

Yes No

Are you applying to any other **2007** ICTP activities? If yes, which?

Yes No

Indicate below your proficiency in the English language:

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

For junior scientists: It would be of assistance to the Selection Committee if this request for participation were accompanied by a letter of recommendation from your Supervisor.

Name: _____

REQUEST for FINANCIAL ASSISTANCE

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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 certify that the statements made by me above are true and complete. If accepted, I undertake to refrain from engaging in any political or other activities which would reflect unfavourably on the international status of the ICTP. I understand that any breach of this undertaking may result in the termination of the arrangements relating to my visit at the Centre.

Signature of applicant

Date