

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

the ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

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I-34014 Trieste
Italy

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REQUEST FOR PARTICIPATION

African Regional School in High Performance Computing on LINUX Clusters
To be held in Kumasi, Ghana, 17 - 28 January 2005
Co-organized with KNUST, Kumasi, Ghana

Please return this form before September 15, 2004
by e-mail (above), fax (+39-040-224163), or mail to:

the Abdus Salam International Centre for Theoretical Physics
African Regional School in High Performance Computing
on LINUX Clusters (smr1640 - c/o Suzie Radosic),
Strada Costiera 11, I-34014, Trieste, Italy

Each question must be answered clearly and completely. Type or print in ink. If more space is required, attach additional pages.

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

This request will be processed only if the permanent and/or present address is clearly indicated. The ICTP cannot process any visa request, unless all personal data is provided.

PERSONAL DATA

SURNAME/FAMILY NAME: First name: Middle name(s):

Sex: MAIDEN Name (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: First name: Middle name(s):

MAIDEN Name For women only (if applicable):

Place of birth (City and Country):

Present nationality:

Date of birth: (Year - Month - Day)

Full address of Permanent Institute:

Tel. No.
Telex/Cable
Telefax

Your Office:

Tel. No.
Telefax

E-mail Address:

(My e-mail address may be made public on the ICTP WWW page: YES NO)

Full address of Present Institute (if different from permanent):

until: Date
Institute:

Tel. No.
Telex/Cable
Telefax

Your Office:

Tel. No.
Telefax

E-mail Address:

Home address:

Tel. No.

Please indicate whether mailing address should be: Permanent __ Present __ Home __

Name and address of person to notify in case of emergency:

Relationship:

Tel. No.:

EDUCATION (higher degrees)

University or equivalent Name and place	Years attended From to	Degrees obtained
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Seminars, summer schools, conferences or research Name and place	Year
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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? Yes ___ No ___
If yes, which?

Are you applying to any other 2005 ICTP activities? Yes ___ No ___
If yes, which?

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 & 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 Computer
Communications and
Computer Networking

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 short keyword description of your current scientific activities, as follows

1) Area of research: (e.g. COMPUTATIONAL PHYSICS, COMPUTER SCIENCE)

2) Specific topic of interest: (e.g. LINUX CLUSTERS, BEOWULF)

TECHNICAL SKILLS

1. Which programming language do you use ?

- A. fortran77 ___
- B. fortran90 ___
- C. C ___
- D. C++ ___
- E. Other (please specify) ___

2. What is your knowledge of Linux O.S.?

- A. No knowledge ___
- B. Poor ___
- C. As experienced user ___
- D. As system administrator ___

3. Parallel programming :

- A. Excellent ___
- B. Good ___
- C. Poor ___
- D. No experience ___

4. Which techniques do you use for parallel programming ?

- A. MPI ___
- B. OpenMP ___
- C. PVM ___
- D. Shared Memory ___
- E. Other (please specify) ___

5. Which kind of hardware do you use ?

- A. Beowulf cluster ___
- B. Proprietary solution (please specify) ___

6. Which kind of free libraries do you use in your applications ?

- A. Lapack ___
- B. Blas ___
- C. FFTW ___
- D. Scalapack ___
- E. Other (please specify) ___

List your scientific publications including books and articles (authors, title, Journal) in the period 1999-2004:

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

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

Indicate below your proficiency in the English language

Reading: Writing: Speaking
Good _ Average _ Poor _ Good _ Average _ Poor _ Good _ Average _ Poor _

APPLICABLE ONLY FOR CANDIDATES FROM DEVELOPING COUNTRIES (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).

Request for Financial Assistance: (Please tick ONE box only)

Full Travel + Subsistence

Subsistence only

Half Travel + Subsistence

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.

Signature of applicant

Date
