

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

the ABDUS SALAM INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS

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**REQUEST FOR PARTICIPATION**

**First Regional Workshop on Distributed Laboratory Instrumentation Systems  
18 July - 12 August 2005 - Jakarta, Indonesia**

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 Abdus Salam International Centre for Theoretical Physics, *Regind Workshop on Distributed Laboratory Instrumentation Systems (smr1692-c/o S.Tanaskovic)* Strada Costiera 11, I-34014, Trieste, Italy,

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

**to arrive no later than 28 February 2005.**

**NOTE:** This request will be processed **only** if the permanent address (and present address, if different) is clearly indicated..

**P E R S O N A L   D A T A**

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.  
(if different from permanent) Telefax  
Your Office: Tel. No.  
Telefax:  
E-mail: \*

until: Date .....

Home address: Tel. No.

Mailing address - please indicate whether: Permanent  Present  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

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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:

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

Yes

No

Are you applying to any other 2005 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.



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

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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),

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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"/>

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### REQUEST for Financial Assistance

APPLICABLE ONLY TO CANDIDATES WHO ARE NATIONALS OF, AND WORKING IN, A DEVELOPING COUNTRY, AND WHO ARE NO 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 specify:** an estimated cost of a round trip travel expenses from your place to Jakarta and back by the most economic/direct route expressed in USD \_\_\_\_\_ that you can purchase locally.

**(Please tick ONE box only)**

- FULL fare Travel Contribution + Board & Lodging
- HALF fare Travel Contribution + Board & Lodging
- Board & Lodging only
- No financial support requested

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

.....  
Signature

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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 unfavorably 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 participation in the Workshop.

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Signature of applicant

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Date

**TECHNICAL QUESTIONNAIRE**

First Regional Worskhop on Distributed Laboratory Instrumentation Systems

18 July – 12 August 2005

Surname: \_\_\_\_\_ Name(s) \_\_\_\_\_

The following questions concern your experience in digital hardware and software. You are kindly requested to answer all questions, in order to facilitate the selection of applicants.

1. Participation in previous Colleges.

- (a) Have you participated in one of the basic Microprocessor Colleges organized in the period 1981 till 1989? If yes, indicate which one, by giving the location and the year (for instance: Bogota 1985). \_\_\_\_\_
- (b) Have you participated in one of the Colleges on Microprocessor-based Real-time Systems in Physics" ? If yes, indicate which:  
Trieste: ( ) 1990, ( ) 1992, ( ) 1994, ( ) 1996, ( ) 1998, ( ) 2000, ( ) 2002 or:  
( ) Cape Coast 1995, ( ) Trieste regional 1997, ( ) Hanoi 1998, ( ) Dakar 1999.
- (c) Have you participated in one of the Workshops on Distributed Laboratory Instrumentation Systems? If yes, tick one: ( ) 2001, ( ) 2003 or ( ) 2004.

2. Digital Hardware.

- (a) Please indicate your level of knowledge of digital hardware (interfaces):  
Theoretical: ( ) advanced, ( ) normal, ( ) elementary, ( ) none.  
Practical: ( ) advanced, ( ) normal, ( ) elementary, ( ) none.
- (b) Have you ( ) designed, ( ) modified, or ( ) tested an interface to a computer? Indicate briefly the type of interface and the computer or bus:
  
- (c) How many years of effective practical experience do you have in designing/testing digital hardware? \_\_\_\_\_ years.

3. Programming.

- (a) Please tick one of the following concerning your programming experience.  
( ) I have made small modifications to existing programmes.  
( ) I have thoroughly modified existing programs.  
( ) I have written small programs myself. Number of lines: \_\_\_\_\_  
( ) I have written large programs myself. Number of lines: \_\_\_\_\_
- (b) In case you have reasonable programming experience, please indicate the type of program(s) you wrote: \_\_\_\_\_ and the programming language(s) used:
  
- (c) Indicate the operating system you are most familiar with: \_\_\_\_\_
- (d) Have you worked with UNIX or a UNIX clone (Linux, freeBSD, etc)? If yes, for how long? \_\_\_\_\_ years.
- (e) Please indicate your level of knowledge of UNIX or UNIX like operating systems:  
( ) advanced, ( ) normal, ( ) elementary, ( ) none.
- (f) Please indicate your experience in the following domains:

none elementary normal advanced

- Programming in C:
- Object-oriented programming:
- Using C++:
- Using Java:
- or other:
- Programming embedded systems:
- Writing Web pages, HTML:
- Setting up data bases:

4. Real-time applications.

(a) Have you worked in the field of real-time control of equipment or in data-acquisition? If yes, please indicate briefly, but precisely, in which application:

(b) Was this application very time-critical? ( ) yes, ( ) no.

Please indicate the response time which was required for your application:

( ) microseconds, ( ) milliseconds, ( ) seconds.

(c) Have you written programs to work under a real-time operating system, in particular for:

( ) data acquisition, ( ) control of equipment.

Indicate briefly the purpose, language and size of these programmes:

- purpose:

- language: \_\_\_\_\_, size: \_\_\_\_\_ lines, OS used: \_\_\_\_\_.

(d) How would you classify your theoretical knowledge of real-time operating systems?

( ) advanced, ( ) normal, ( ) elementary, ( ) none.

(e) Please indicate the number of years of experience in the real-time field: \_\_\_\_\_ years.

(f) Please indicate the reason why you are interested in participating in this Workshop on Distributed Laboratory Instrumentation Systems (if you are working on a project, or plan to work on one, describe succinctly the project). Use an extra sheet of paper if necessary.