The Abdus Salam International Centre for Theoretical Physics

Post Title:	**Technical Assistant**
Domain:	Science, Technology and Innovation (STI) Unit
Post Number:	1ITSC 0896TP
Grade:	GS-5
Organizational Unit:	Abdus Salam International Centre for Theoretical Physics
Primary Location:	Trieste, Italy
Recruitment open to:	Internal and external candidates
Type of contract:	Fixed Term Appointment
Deadline (*midnight Trieste time*)**:**	**09-DEC-2026**

UNESCO Core Values: Commitment to the Organization, Integrity, Respect for Diversity, Professionalism

Only Candidates who are entitled to work in the E.U. can apply

OVERVIEW OF THE FUNCTIONS OF THE POST

Founded in 1964 by the late Nobel Laureate Abdus Salam and located in Trieste (Italy), the Abdus Salam International Centre for Theoretical Physics (ICTP) seeks to accomplish its mandate by providing scientists from developing countries with the continuing education and skills that they need to enjoy long and productive careers. ICTP has been a major force in stemming the scientific brain drain from the developing world. For more than 50 years, ICTP has been a driving force behind global efforts to advance scientific expertise in the developing world.

Under the supervision of the Research Scientist heading the Science, Technology and Innovation (STI) Unit and the functional supervision of the Associate Research Scientist, the incumbent will provide specialized technical support for research and training activities in the STI laboratories, including the Multidisciplinary Laboratory (MLab), the Marconi Laboratory and the Scientific Fabrication Lab (SciFabLab). The incumbent will support the implementation and continuity of research and development projects, ensure the effective operation and maintenance of laboratory instrumentation, and prepare laboratory setups for training activities.
In particular, the incumbent will be responsible for:

Scientific Instrumentation and Research Support:

- Assemble, test and operate laboratory instrumentation and experimental setups to support research and development projects in the STI laboratories, including collaborations with national and international partners.
- Optimize system performance and contribute to the improvement of instrumentation to ensure high-quality, reliable operation and continuity of research activities; provide technical inputs to scientific documentation.
- Contribute to the development, integration, testing and optimization of hardware, software and firmware for experimental systems, including FPGA/SoC-based data acquisition and processing.

Training and Technical Assistance:

- Prepare, configure and operate laboratory setups for ICTP schools, workshops and training sessions; provide technical guidance to participants to enable the effective execution of experiments and the acquisition of practical skills.
- Provide technical support to visiting scientists, TRIL and STEP fellows and students conducting experimental activities in the STI laboratories; diagnose and resolve technical issues, advise on the use of instrumentation and adapt experimental setups to specific research and training requirements.

Laboratory Operation and Maintenance:

- Ensure the proper functioning, availability and safety of laboratory equipment and experimental setups, including maintenance, troubleshooting and inventory management.
- Maintain the documentation of laboratory systems and procedures.
- Perform tasks related to radiation safety in accordance with established procedures, in coordination with radiation-qualified experts.

- Perform additional activities that may be required to ensure the success of the work team.

COMPETENCIES

A successful candidate will be required to demonstrate the following competencies:

- Accountability.
- Communication.
- Teamwork.
- Innovation.
- Results focus.
- Planning and organizing.
- Knowledge sharing and continuous improvement.

For detailed information please consult the UNESCO Competency Framework
https://en.unesco.org/sites/default/files/competency_framework_e.pdf

REQUIRED QUALIFICATIONS

EDUCATION

- Completed secondary, technical and/or vocational school.

WORK EXPERIENCE

- Minimum five (5) years of relevant experience in laboratory instrumentation, electronics and/or experimental setups, including the operation, maintenance and troubleshooting of laboratory equipment.

SKILLS/COMPETENCIES

- Strong practical skills in laboratory instrumentation, electronics and experimental setups.
- Expertise with FPGA/SoC systems, including hardware, software and firmware development.
- Practical knowledge of detector/sensor-based systems.
- Ability to operate, maintain and troubleshoot laboratory equipment and experimental systems.
- Knowledge of particle and radiation detection systems.
- Familiarity with AI/ML-related data processing techniques.
- Good organizational, analytical and communication skills.
- Ability to work effectively in a multicultural and multidisciplinary environment.
- Ability to contribute to technical and scientific documentation.

LANGUAGES

- Excellent knowledge (spoken and written) of English.

DESIRABLE QUALIFICATIONS

WORK EXPERIENCE

- Experience in an international organization or a scientific/research institution.
- Experience in supporting hands-on training activities, such as schools, workshops or laboratory courses.

LANGUAGES

- Working knowledge of Italian. Knowledge of another official UN language (Arabic, Chinese, French, Russian or Spanish) is an asset.

ADDITIONAL INFORMATION

Only candidates who are entitled to work in the E.U. may apply to this position. Please note that for this position UNESCO will not reimburse expenses such as travel in connection with interviews, tests and relocation.

BENEFITS AND ENTITLEMENTS

UNESCO's salaries consist of a basic salary and other benefits which may include if applicable: 30 days annual leave, family allowance, medical insurance, pension plan etc.

For more information in benefits and entitlements, please consult ICSC website and UNESCO's career website.

MORE INFORMATION

Please note that all candidates must complete an on-line application and provide complete and accurate information. To apply, please visit the UNESCO careers website. No modifications can be made to the application submitted.

The evaluation of candidates is based on the criteria in the vacancy notice, and may include tests and/or assessments, as well as a competency-based interview.

UNESCO uses communication technologies such as video or teleconference, e-mail correspondence, etc. for the assessment and evaluation of candidates.

Please note that only selected candidates will be further contacted and candidates in the final selection step will be subject to reference checks based on the information provided.

Candidates must use the UNESCO's online application system which is accessible through the following links:

For current UNESCO fixed-term staff members: *UNESCO Intranet > Tools > HR Apps >* *Careers*. If you are working remotely, you should connect to Careers portal through *connect.unesco.org*

For all other candidates: *https://careers.unesco.org*

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