



Post Title: Research Scientist
Domain: Condensed Matter and Statistical Physics
Post Number: 1ITSC 0847TP
Grade: P-3
Organizational Unit: International Centre for Theoretical Physics (ICTP)
Primary Location: Trieste, Italy
Recruitment open to: Internal and external candidates
Type of contract: Fixed-Term
Deadline (*midnight, Paris time*): **19-OCT-2023**

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

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.

With overall guidance from the Division Senior Coordinator and under the supervision of the of the Head of the Condensed Matter and Statistical Physics Section, the incumbent initiates, develops and coordinates front-line research in condensed matter with expertise in computational material science for sustainable energy applications, provides guidance and mentoring to post-doctoral fellows, visitors and students, teaches courses at the ICTP and elsewhere, and participates in the organisation of activities of the section and in the selection of applicants to ICTP programmes and activities related to the section. Essential responsibilities include:

Scientific Research:

- Undertake front-line research in the own field of expertise, identifying, developing and implementing research projects in that field
- Participate in the hiring of post-doctoral fellows
- Provide guidance and mentoring to post-doctoral fellows, and guidance to any associates, visitors or fellows that collaborate on these research projects
- Report on the results of the research at major international meetings

Education and Training:

- Teach in the Diploma programme and supervise Diploma student thesis
- Provide scientific supervision to and mentor M.Sc. and Ph.D. students
- Participate in the selection of the Diploma students and of M.Sc. and Ph.D. students as required by ICTP programmes. Teach in international programmes of the ICTP, held at ICTP and elsewhere

Scientific Organisation and Outreach:

- Establish wide cooperation with scientists from developing countries and identify their scientific needs in areas related to own area of expertise and formulate appropriate recommendation for incorporation within ICTP programmes.
- Organize ICTP meetings, activities in the own field and organise ICTP external activities, predominantly in developing countries, in own field of research.
- Apply for and manage individual research grants. Participate in the programmes of ICTP Partner Institutes.

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%20Framework_E.pdf)

REQUIRED QUALIFICATIONS

EDUCATION

- Advanced University degree (Ph.D. or equivalent) in Physics, Material Science or related discipline.

WORK EXPERIENCE

- A minimum of 4 years of relevant professional research experience with expertise in computational material science for sustainable energy applications, or a related field
- Demonstrated professional experience in the field of computational material science for sustainable energy applications
- Experience in the teaching and/or mentoring of undergraduate, graduate and postgraduate students.

SKILLS/COMPETENCIES

- Ability to collaborate effectively within a multicultural environment with sensitivity and respect for diversity.
- Excellent analytical skills. Ability to collect, synthesize and analyse information from various sources.
- Ability to communicate effectively on complex technical and scientific issues in English.

LANGUAGES

- Excellent knowledge (spoken and written) of English.

DESIRABLE QUALIFICATIONS

WORK EXPERIENCE

- Relevant professional research experience acquired at international level, with particular attention to those devoted to developing countries.
- Experience in the design, implementation and management of scientific projects.
- Experience in the teaching and/or mentoring of undergraduate or postgraduate students.
- Experience in the development and coordination of scientific training programmes.

LANGUAGES

- Knowledge of Italian.
- Knowledge of another official UNESCO language (Arabic, Chinese, French, Russian, Spanish).

APPLICATION SUBMISSION INFORMATION

In addition to the online application, candidates are requested to submit their research statement to the ICTP Personnel Office (email: personnel_office@ictp.it) clearly indicating in the subject line "Research Scientist post no. 1ITSC 0847".

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. 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.

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>

For information: Personnel Office, Abdus Salam International Centre for Theoretical Physics, Strada Costiera, 11, 34151 Trieste, Italy.

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