



The Abdus Salam

International Centre for Theoretical Physics



Post Title:	Research Scientist
Domain:	Natural Sciences - Physics
Post Number:	1ITSC 1051TP
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
Annual salary:	85,648 USD
Deadline (midnight, Paris time):	May 18, 2018

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

OVERVIEW OF THE FUNCTIONS OF THE POST

Under the direct supervision of the Head of the Earth System Physics Section, the incumbent will be an active member of the Section, participating in its research, training, educational and outreach activities. The incumbent will build the activities of the Section in the primary areas of emphasis indicated below, by carrying out front-line research, providing guidance and supervision to post-doctoral fellows and other visitors of the section, teaching, participating in the collective decisions of the section and contributing to the activities of the centre as required. In particular, s/he will perform the following duties:

- Undertake front line research and attain international recognition in Earth System Physics with the purpose of improving the understanding of the Earth System and its interactions with human societies. The primary areas of emphasis are i) modelling at the regional scale of atmospheric chemistry, aerosols, and their interactions with climate; and ii) modelling at the regional scale of hydrology and land surface processes and their interactions with climate.
- Organize and supervise seminars, schools, workshops, conferences, and topical meetings, including the design of innovative approaches to these training activities.
- Teach in the Earth System Physics Diploma program; collaborate with the associates and other visitors of the Earth System Physics section, in particular those from developing countries; supervise masters and PhD students enrolled in the Sandwich Training Educational Programme (STEP) and other collaborative programs with Universities.
- Contribute to the review of applications and selection of post-doctoral positions, associateship, diploma courses, short and long-term visitors; take responsibility for the visiting and training programs in areas of interest to the Earth System Physics Section.

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 Geophysical Science, Physics or related disciplines.

WORK EXPERIENCE

- Minimum of 4 years of relevant post-doctoral research experience of which preferably 2 years acquired at international level .
- Demonstrated professional experience in the field of Geosciences and related scientific disciplines.
- Experience in scientific programming using advanced FORTRAN language and high performance computing infrastructure.

SKILLS/COMPETENCIES

- Familiarity with graphics packages for the visualization of scientific results.
- Ability to collaborate effectively within a multicultural environment
- Excellent analytical skills. Ability to collect, synthesize and analyze information from various sources.
- Ability to communicate effectively on complex technical and scientific issues in English.

LANGUAGES

- Excellent/very good knowledge of English.

DESIRABLE QUALIFICATIONS

WORK EXPERIENCE

- Experience in the teaching and/or mentoring of undergraduate or postgraduate students.
- Experience in the development and coordination of scientific training programmes.

BENEFITS AND ENTITLEMENTS

UNESCO's salaries are calculated in US dollars. They consist of a basic salary and a post adjustment which reflects the cost of living in a particular duty station and exchange rates.

Other benefits include: 30 days annual leave, family allowance, home travel, education grant for dependent children, pension plan and medical insurance. More details on [the ICSC Web site](#).

Please note that UNESCO is a non-smoking Organization.

A WRITTEN EXAMINATION MAY BE USED IN THE EVALUATION OF CANDIDATES.