UNESCO

United Nations Educational,
Scientific and Cultural Organization

UNESCO contributes to peace and human development in an era of globalization by furthering international cooperation through its programmes in education, sciences, culture and communication. With its 193 Member States and 7 Associate Members, UNESCO has its Headquarters in Paris (France) and operates globally through a network of offices and several institutes.

Post title	**Scientific Computing Expert**
Organisational unit	**The Abdus Salam International Centre for Theoretical Physics (ICTP) - www.ictp.it**
Duty station	Trieste, Italy
Grade	P-3
Post number	EU/TP/ITA/SC/0908
Closing date	**15 April 2011**

Purpose of post
Main responsibilities

Provide technical guidance and support to scientific sections, post-docs and students and the ICTP training activities on projects which involve data management and computing technology:

1. Provide a vision of enhanced computing tools for scientific research to the ICTP scientific staff and its international community of visiting scientists; provide technical guidance and support to scientific sections and the ICTP training activities on projects which involve data management and computing technology, including high performance computing (HPC); collaborate with scientists and participate in interdisciplinary research projects and provide guidance to post docs and students.
2. Stimulate and evaluate new proposal initiatives. Be an initiator of scientific ICT innovation – especially in the area of HPC and advanced programming techniques.
3. Realize performance improvements, by introducing advanced programming tools, ensuring enhanced data management, applying new algorithms to existing program structures and programming code.
4. Assist the ICT Section in the definition, selection, set-up and management of HPC systems and networks and collaborate in the national and international organization of HPC activities outside ICTP.

Profile
- University degree (preferably at master's level) in the field of Information Technology or related disciplines.
- 4-7 years of professional experience, of which preferably 2 years acquired in an international environment, at progressively higher responsibility in the systems field and a proven track record of designing, managing and implementing highly complex systems including hands-on experience of systems design and development. Good interpersonal and management skills.
- Excellent IT skills. Knowledge of IT applications in a wide range of operative systems.
- Ability to effectively develop a work programme and ensure timely delivery of results.
- Proven record of working in and creating temporary work teams as well as having fruitful interactions with scientists and comparable high-level professionals about scientific ICT problems.
- Experience in advanced programming techniques, statistical models and the improvement of existing models and programming code.
- Experience in managing medium-large network and computing environments with emphasis on distributed systems, providing services to a scientific institution.
- Excellent knowledge of written and spoken English. Knowledge of French would be an asset.
- A positive attitude towards the international and multicultural characteristics of the assignment.

Conditions of employment

ICTP is a world-class institution focused on research in basic sciences with the responsibility for the promotion, dissemination and support of science, especially in developing countries. It operates under the aegis of UNESCO and IAEA. This is an extra-budgetary position of a continuing nature but the duration of the appointment will be subject to the availability of funds. UNESCO's salaries are calculated in US Dollars. They consist of a basic salary and a post adjustment, which reflects the cost of living changes in a particular duty station and exchange rates. For this post, the annual remuneration will start at US$85,595 if there are no dependants and at US$91,700 if there are dependants, and is generally exempt from income tax. There is an attractive benefits package, which includes 30 days of annual vacation, home travel, education grant for dependent children, pension plan and medical insurance. The initial appointment, which is for 2 years, includes a probationary period of 12 months, and is renewable, subject to satisfactory service.

How to apply

Candidates should use ICTP's online application system which is accessible via ICTP's intranet site at http://www.ictp.it/campus-life/job-opportunities.aspx. They should include a curriculum vita, list of publications and names of three referees.

Candidates without access to the Internet may send a paper application by completing the official UNESCO CV form available at the Personnel Office, Abdus Salam International Centre for Theoretical Physics, Strada Costiera, 11, 34151 Trieste, Italy.

E-mail: personnel_office@ictp.it, phone: +39-040-2240-595/596, fax: +39-040-2240-593.