

ABSTRACT OF VACANCY CALL IOM AR 015/2022 TS

DESCRIPTION OF PROGRAM/PROJECT:

The successful candidate will collaborate in the experimental activity concerning, in the first place, the characterization of recyclable materials and quantum thin films heterostructures by scanning and transmission electron microscopy, in strong synergy with the groups of materials growth by PLD and electron characterization by techniques based on the use of synchrotron light.

RESEARCH AREA: Physics - Chemical Physics

RESEARCH THEME: “Nanostructural characterization by transmission electron microscopy of recyclable materials and quantum heterostructures”; The activity falls within the framework of the development of innovative research infrastructures open to the international user community, supported financially at national level (Italian Strategic Project NFFA) and at EU level (Project NFFA-Europe-Pilot and ReMade-at-ARI).

Contract of one year renewable (subject to satisfactory progress).

Yearly gross remuneration: 22.000,00 €.

QUALIFICATIONS AND EXPERIENCE:

- Master Degree in Physics, Chemistry or similar; PhD in Physics, Chemistry or similar; professional CV fitting the required skills;
- proven experience in transmission electron microscopy. proven experience in characterization of physic-chemical properties of materials, as well as good knowledge of typical materials science research topics usually addressed with electron microscopy and complementarity of the latter with other experimental techniques. Experience in TEM/STEM characterization of complex oxides, in TEM/STEM data analysis, processing and simulation as well as in TEM/STEM in situ experiments will be well considered (even if not mandatory).
- good level of English and some knowledge of Italian

DEADLINE FOR APPLICATIONS: November 23, 2022

Candidates residing outside of Italy must send the application and all the documents listed in Annex A to the following e-mail address:

iom.recruitment@iom.cnr.it

The application form must be filled in using the attachments A-B-C- of this call (send only signed PDF files).

Candidates will receive an e-mail confirming receipt of the application.

TYPE OF SELECTION: the submitted applications will be evaluated by CNR. A reserve list of accepted applications will be set up. These candidates will be invited for an interview that it will held on **the December 6, 2022 at 11:00 A.M. (local time) by videoconference.**

The candidates will be given the opportunity to present their scientific activity in a presentation of not more than 15 minutes to be held in English.

During the connection the candidate has to show a valid identity document.

For any information please contact:

iom.recruitment@iom.cnr.it or supporto.reclutamento@spin.cnr.it

CNR-IOM Materials Foundry

Trieste, Cagliari, Genova, Grenoble, Perugia

Area Science Park - Strada Statale 14 km 163,5 - 34149 Basovizza - Trieste - Italy
+39 040 375 641 - info@iom.cnr.it

Partita IVA IT 02118311006 C.F. 80054330586