ABSTRACT OF VACANCY CALL IOM AR 009/2020 TS

DESCRIPTION OF PROGRAM/PROJECT:

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 Demonstrator) and at EU level (H2020 RIA Project NFFA-Europe). The successful candidate will work at the experimental activities concerning characterisation, first, by transmission electron microscopy of nanostructured materials, with particular reference to the study of thin films heterostructures. The candidate will also work in strong synergy with the IOM groups involved in thin film growth and in the study of electronic properties of such systems by means of synchrotron radiation spectroscopies.

RESEARCH AREA: Physics / Condensed Matter properties

RESEARCH THEME: “Advanced characterization by electron microscopy of nanostructured materials as well as thin film heterostructures” within the research project “Strategic Research Project NFFA-Trieste Demonstrator (MIUR)/Project NF-FA-Europe”.

Contract of one year renewable
Yearly gross remuneration: 22,000,00 € (net monthly salary currently expected: 1,624,15 €).

QUALIFICATIONS AND EXPERIENCE:

- Master degree (equivalent to Laurea Specialistica or Magistrale) and PhD in Physics or related subjects
- 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: October 05, 2020

HOW TO APPLY: 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).
TYPE OF SELECTION: The submitted applications will be evaluated by CNR-IOM. A reserve list of accepted applications will be set up. These candidates will be invited for an interview that it will be held on OCTOBER 19, 2020 at 11.00 a.m. (local time) c/o IOM Institute in Trieste, Area Science Park–Basovizza, Ed.MM Strada Statale14 Km163.5 – 34149 Trieste (Italy), or by videoconference.

The candidate can request the interview by videoconference in the application form. For videoconference the candidate must declare all the information to make the connection. 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