Announcement of Selection nr. 9/16 Publication date 13/09/16.

1 Postdoctoral Position in H2020 DREAM research project.
In the framework of the H2020 - FOF-13-2016: Photonics Laser-based production, project "Driving up Reliability and Efficiency of Additive Manufacturing (DREAM)", one postdoctoral position is available at the INSTM Research Unit of Ancona, Department of Materials, Environmental Sciences and Urban Planning (SIMAU), Polytechnic University of Marche.

Project: Structural characterization of materials and devices produced by additive manufacturing techniques.
The main activities of the Post Doc researcher will be focused on the structural characterization at the nanoscale of materials and devices obtained from additive manufacturing processes. Structural characterization will be performed by using X ray diffraction techniques (XRD, GID, XRR), electron microscopy techniques (SEM, TEM, STEM, SADP, CBED) and energy dispersive microanalysis (EDS). The research activity includes study of correlation between nanostructure and macroscopic behavior of metallic materials.

Scientific Responsible: prof. Paolo Mengucci.

Our Offer: the position is for a Ricercatore tirocinante. The monthly gross salary will be about € 2.178,00. The health insurance is covered by the social security system.

Starting date and duration: approx. 01/10/2016. Duration 36 months.

Your profile: The successful candidate should hold a PhD in Materials Engineering, Materials Science or Solid State Physics and should have some experience in materials characterization techniques based on X-ray and electron beams as well as on mechanical properties of materials. Knowledge of the structural mechanisms occurring at the nanoscale responsible of the macroscopic behavior of metallic materials is also required. Candidates are expected to have experience in the production and post-production treatments of metallic materials. Previous experience with additional characterization techniques such as atomic force microscopy (AFM), infrared spectroscopy (FTIR) and wettability measurements would be advantageous.

Deadline: 22/09/2016

How to apply: Please submit your motivation letter + detailed CV by e-mail to the scientific coordinator of the "Structural characterization of materials and devices produced by additive manufacturing techniques" project, prof. Paolo Mengucci, p.mengucci@univpm.it and to the INSTM administrative office, segreteria@instm.it .
Please quote the Announcement number in the e-mail subject.

INSTM, in its sole judgment, reserves the right not to hire somebody, should the applications received, being unsuitable against the subject of the announcement or the expertise needed.
In any case, INSTM, based on actual needs, convenience or opportunity, in its sole judgment and without notification, reserves the right not to open the position.

In order to comply with Italian law (art. 23 of Privacy Law of the Italian Legislative Decree n. 196/03), the candidate is kindly asked to give his/her consent to allow Consorzio INSTM to process his/her personal data.
We inform you that the information you provide will be solely used for the purpose of assessing your professional profile to meet the requirements of Consorzio INSTM. Your data will be processed by Consorzio INSTM, with its headquarters in Florence, Via Giusti 9, acting as the Data Holder, using computer and paper-based means, observing the rules on the protection of personal data, including those relating to the security of data. Please also note that, pursuant to art.7 of Legislative Decree 196/2003, you may exercise your rights at any time as a party concerned by contacting the Data Manager.

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