



OPEN POST-DOCTORAL POSITIONS

IMDEA Materials (Madrid Institute for Advanced Studies of Materials) is a non-profit, independent research institute, promoted by the Regional Government de Madrid (Spain), to carry out research in Materials Science and Engineering. IMDEA Materials Institute is committed to excellence in research by attracting talent from all over the world and to foster technology transfer to the industrial sector in a truly international environment. More information about the activities of the Institute can be found at <http://www.materials.imdea.org>

IMDEA Materials Institute is looking for:

**Research Associates
(PhD in Materials Science, Metallurgy, Mechanical Engineering)
(Ref: PD01-VIR)**

to work in the research project VIRMETAL (virtual design, virtual processing and virtual testing of metallic materials) funded by an Advanced Grant of the European Research Council. Research activities will be focused in multiscale modeling strategies –together with the corresponding experimental validation– to simulate the microstructural development during solidification and thermal treatments as well as the mechanical behavior at different length scales of Al and Mg alloys.

Requirements: Candidates should hold PhD in Materials Science, Metallurgy, Mechanical Engineering (or related discipline) with excellent academic credentials and a strong commitment to develop an academic career in an international and multidisciplinary environment. Fluent English (oral and written) is required. Previous experience in either molecular dynamics, computational thermodynamics and kinetics, phase field modeling, crystal plasticity or homogenization theory is necessary.

Conditions: Full time contract including social security coverage. Salary depending on previous experience and credentials.

Starting date: As soon as the positions are filled.

Contact: Interested candidates should submit their Curriculum through the institute's website <http://www.materials.imdea.org/open-positions/applicationform>