



OPEN POSITIONS for PhD

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 Assistants
(MSc Degree in Materials Science, Metallurgy, Mechanical Engineering)
(Ref: RA01-VIR)

to carry out their PhD within the framework of the research project VIRMETAL (virtual design, virtual processing and virtual testing of metallic materials) funded by an Advanced Grant of the European Research Council under the supervision of the project leader. The project is aimed at developing a multiscale modeling strategy –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 MSc degree 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. Previous experience in numerical simulation (DFT, molecular dynamics, computational thermodynamics, crystal plasticity, phase field modeling, finite elements) will be valued. Fluent English (oral and written) is required.

Conditions: Full time contract including social security coverage.

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>