



## OPEN POSITION

IMDEA Materials Institute (Madrid Institute for Advanced Studies of Materials) is a non-profit, private research organization, promoted by the Regional Government of Madrid, Spain, to carry out research activities in Materials Science and Engineering. More information can be found at [www.materials.imdea.org](http://www.materials.imdea.org)

The research group of Multiscale Materials Modeling at IMDEA Materials is seeking a

### **PhD (thesis) candidate**

**(Master in Materials science, Mechanical engineering, Applied Mathematics, Physics or similar)**

(Ref: MMM-RA-01)

to work in IMDEA in a project funded by the Luxembourg Funding Agency about the multi-scale simulation of mechanical behavior of metals. The work will deal with the simulation of the deformation and fracture of metals as function of the microstructure using continuum approaches (Crystal Plasticity and Phase-field models using Finite Element and Fast Fourier transform based solvers). The work will be performed under the supervision of the Dr. Javier Segurado.

**Starting date:** July

**Requirements:** The optimum candidate should have the required **master** or finish it this academic year. In addition, knowledge of some of the following fields will be positive

- Continuum Mechanics
- Programming skills
- Materials science

The candidate should be **eager to obtain a PhD degree** and will be willing to give the best in a challenging problem. High level of English is mandatory.

**Conditions:** Contract with full social security coverage. Salary depending on previous experience and credentials.

**Contact:** Interested candidates please send your CV **indicating the job reference, reference letters, and your academic grades**, to:

<http://jobs.materials.imdea.org>