

10 July 2019

**Object: PhD position in the context of “Data-driven Multi-scale Optimisation for Additive Manufacturing of fatigue resistant shock-absorbing MetaMaterials”**

### Context

As part of a collaborative FET-Open H2020 project between different universities and a SME, there exist open PhD and Post-Doc positions in the context of

- Experimental characterisation of SLS printed structures;
- Models development of SLS process and constitutive behaviours;
- Developments of homogenisation methods and surrogate models (e.g. machine learning etc.)

### Opportunity

One PhD position is opened and consists in renewable periods of 12 months for a total duration of up to 48 months. Co-supervisions between the different partners are scheduled.

### Profile

The candidate should have a master degree in sciences or engineering with solid knowledge of physics, mechanics, and numerical methods. Good programming skills are required for the model-oriented PhD positions.

### Application

Interested candidates are encouraged to apply by sending

- a CV with a list of up to 3 references;
- a short statement (maximum of one page) describing past experience and research interests;
- a transcript of the school grades;
- their research topic interest.

to Prof. Javier Segurado Escudero ([javier.segurado@imdea.org](mailto:javier.segurado@imdea.org)), Prof. Issam Doghri ([issam.doghri@uclouvain.be](mailto:issam.doghri@uclouvain.be)), Prof. Zoltan Major ([Zoltan.Major@jku.at](mailto:Zoltan.Major@jku.at)), Prof. L. Noels ([L.Noels@ulg.ac.be](mailto:L.Noels@ulg.ac.be)), and Mr. Thomas Lück ([lueck@cirp.de](mailto:lueck@cirp.de)) by e-mail.



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