

10 July 2019

Object: PhD & Post-doc positions 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.)

Opportunities

Several PhD positions are opened and consist in renewable periods of 12 months for a total duration of up to 48 months. Co-supervisions between the different partners are scheduled.

Several Post-doc positions are opened under the form of 12-month contracts, possibly renewable.

Profile

The candidate should have a master or PhD 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), Prof. Issam Doghri (issam.doghri@uclouvain.be), Prof. Zoltan Major (Zoltan.Major@jku.at), Prof. L. Noels (L.Noels@ulg.ac.be), and Mr. Thomas Lück (lueck@cirp.de) by e-mail.



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