



PIERRE LHUISSIER

RESEARCHER



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Researcher of the CNRS in the laboratory of Science and Engineering of Materials and Processes (SIMAP) of University Grenoble Alpes, my research is mainly focused on elaboration and hot forming of light alloys and on architected materials mechanical properties. I operate intensively in situ and operando characterisation by micro/nano-tomography or SEM/EBSD to disclose the underlying mechanisms.

As a consequence, I conduct developments on data acquisition procedures, sample environments and data treatments (images analysis, digital volume correlation, features evolution...).

I also use powder bed fusion additive manufacturing (EBM and SLM) to elaborate architected materials and especially lattice structures in which I investigate the relationships between building parameters, defect magnitude, local deformation and mechanical properties.