

EME International Seminar Series



SPAM: an open-source software for quantitative 3D + time image analysis

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Abstract:

This talk will present SPAM (Software for the Practical Analysis of Materials) an open-source python software for quantitative data analysis of 2D images and 3D volumes for mechanics applications that has developed around X-ray and Neutron tomography, with a particularly strong suite of morphological analysis and Digital Volume Correlation tools. Example application cases will be shown spanning over different materials (granular, cohesive, fabric) and processes (bio/hydro/chemo-mechanics), but also live hands-on illustration of using the software.

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