

Job offer / Offre d'emploi

Ingénieur de recherche en CDD d'1 an renouvelable :

Mesures de champs pour la biomécanique des tissus mous

Centre Ingénierie et Santé

LCG CNRS UMR 5146

Ecole Nationale Supérieure des Mines, Saint-Etienne, France

Research engineer position, 1 year contract renewable

Full-field measurements in biomechanics of soft tissues

Ecole Nationale Supérieure des Mines, Saint-Etienne, France

The Center for Health Engineering (CIS in French) at Ecole des Mines de Saint-Etienne is currently involved in many research projects requiring advanced research in soft tissue biomechanics. It has essentially contributed to the experimental identifications of novel models for the mechanical and fracture behaviour of different soft tissues of the human body (arterial walls, aneurisms, intestine, veins, muscles, aponeurosis...).

In order to reinforce the CIS group, to assist the PhD students in their experimental work and to develop new research projects in this domain, CIS is looking for a research engineer able to set up experimental tests for soft tissues and to measure the mechanical response using optical techniques. The core of the activity will be focused on digital image correlation (DIC).

The candidate should have a PhD degree in experimental mechanics or biomechanics with a solid background in experimentation. Previous experience in the area of full-field measurements will be highly appreciated.

→ To apply, send an email with CV to avril@emse.fr before 31/12/2011