

Some results on interfaces friction and adhesion



Prof. Frédéric Lebon

Laboratoire de Mécanique et d'Acoustique
Aix-Marseille Université

Abstract: The presentation will be divided into two parts. The first part will present some experimental results obtained in recent years on bonding problems and problems involving friction. In particular, some results will be presented on cone/cone contacts and specimens bonded with different types of adhesive. Secondly, some mathematical and numerical modelling approaches will be presented. In particular, a methodology for modelling thin bonded structures will be discussed. It will be shown that asymptotic techniques coupled with homogenisation can be used to model this type of problem very satisfactorily.

Mercoledì 29 Maggio 2024 – ore 11:30
Aula Seminari Sezione di Matematica DICATAM
Via Valotti 9, Brescia



Il seminario è finanziato dall'Ateneo su fondi per attività a carattere internazionale
Per maggiori informazioni giovanna.bonfanti@unibs.it