

Special session

on

Advanced material modelling and simulations

ABSTRACT

Materials modelling and simulations is a powerful predictive tool for evaluation of materials properties and behaviour based on the combination of experiments, constitutive equations and numerical simulations.

The special session aims to gather contributions focused on theoretical and applied advances in wide range of advanced material modelling and simulation methods and approaches including, but not limited to, multiscale modelling and simulations, computational homogenization, hybrid experimental – numerical material characterization methods, original methods and solutions of multiphysics problems.