

APPLICATIONS OF ARTIFICIAL INTELLIGENCE TO FORMING SIMULATIONS

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ABSTRACT

Artificial Intelligence technologies are emerging in various fields of Engineering, driven by the increasing availability of datasets, coupled with the exponential growth in computer performance. In fact, there has been a growing interest in evaluating the capabilities of machine learning and deep learning algorithms to address topics directly related to the simulation of forming processes, such as constitutive modelling, parameter identification and process design and optimisation.

The purpose of this session is to disseminate state-of-the-art artificial intelligence applications in the simulation forming processes. Contributions regarding the abovementioned topics and related ones are very welcome.