

PLASTICITY MODELLING, PARAMETER IDENTIFICATION AND APPLICATIONS TO FORMING OPERATIONS

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ABSTRACT

Realistic simulation of metal forming operations requires a proper plasticity modelling and accurate material parameters. The session intends to foster discussions on topics associated with application of inverse problem techniques to identification of material parameters and corresponding material modelling strategies. Within this framework, the session welcomes works associated with development and application of optimization strategies and inverse problem techniques, material modelling of nonlinear materials and industrial applications.