

Title:

Cyclic Plasticity for Metals

Organizers:

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Abstract:

Various cyclic plasticity models, e.g. Mroz (multi surface) model, Dafalias - Yoshida (two surface) model, Chaboche-Ohno (superposed kinematic hardening) model and Hashiguchi (subloading surface) model have been proposed to describe the cyclic loading behavior of metals during the past half century. The deformation analyses by these models will be presented and the deep discussions will be held in order to conclude the best cyclic plasticity models for the further sound development of the cyclic plasticity.