

ANNOUNCEMENT

INTERNATIONAL SEMINAR ON LARGE PLASTIC DEFORMATIONS: FUNDAMENTAL ASPECTS AND APPLICATIONS TO METAL FORMING

Fontainebleau, France
7-9 August 1991

organized by MECAMAT
in association with LPMTM-CNRS, Université Paris Nord

Co-Chairmen: C. Teodosiu and F. Sidoroff (France).

International Scientific Committee

L. Anand, A. Baltov, S. Cescotto, Y. F. Dafalias, I. St Doltsinis, Y. Estrin, J. Kratochvil,
E. Kröner, T. Leffers, A. Molinari, Z. Mróz, K. W. Neale, A. Needleman, M. Ortiz,
P. Perzyna, A. R. S. Ponter, E. Soós, V. Tvergaard, J. R. Willis and A. Zaoui.

Scope

Microstructural and phenomenological approaches will be considered, and special attention will be devoted to their synergism. In so far as large deformations are concerned, the following subjects will be covered:

- **Single crystal:** models, hardening laws and mechanical behavior.
- **Crystalline aggregates:** bi-, multi- and polycrystals; grain boundary effects.
- **Plastic heterogeneities:** micro-to-macro transition; multiphase and composite materials; strain localization; damage.
- **Constitutive modeling:** phenomenological and micro-mechanical models taking into account texture and/or microstructure evolution; plastic spin.
- **Model identification:** mechanical analysis of homogeneous and inhomogeneous tests; application to real materials.
- **Metal forming:** modeling and simulation of cold and hot metal forming.

The Seminar will consist of invited lectures and presentations in oral or poster form. Shortly following the conference, the proceedings will be published in book form after review. English will be the language of the Seminar.

Important dates

Submission of abstract (2 pages, including name and affiliation): Immediately.

Acceptance for seminar presentation: 1 March 1991.

Submission of full-length paper: Seminar time, 7 August 1991.

For further information, please contact

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