

ANNOUNCEMENTS

17TH MIDWESTERN MECHANICS CONFERENCE

The University of Michigan, Ann Arbor, Michigan, U.S.A.

6-8 May 1981

The program will consist of invited lectures as well as invited and contributed papers. Contributed papers are solicited in all areas of mechanics. There is no restriction on geographic location of authors.

Papers to be presented will be selected on the basis of submitted abstracts. The abstracts of papers to be presented will appear in the Proceedings of this conference. Full publication elsewhere is permitted and encouraged. Abstracts must be received by 1 February 1981.

For further details, contact:

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EUROMECH COLLOQUIUM 147

"Damage Mechanics"

Cachan, France

22-25 September 1981

Aim of the colloquium

The structural deterioration of the materials due to the forming and the service solicitations, represents a basic phenomenon to be taken into account in rheological modelling of strain and rupture for prediction by numerical calculations.

The aims of the colloquium is to review and to classify the results obtained in this relatively new field of Mechanics of Solids in order to orientate the fundamental research and to define the fields of technological applications.

Damage is taken in the sense of progressive deterioration by large deformation creep or fatigue in regard to rupture of solid materials (metals and alloys, composites, concrete...).

Mechanics is taken in the sense of mathematic modelisation of physical phenomenon identification and structure calculation for life time.

Main topics

Contribution must give answers to the following questions:

- What is damage? From the point of view of Physics—Thermodynamics—Mechanics.
- How to measure damage?
- How to modelise constitutive equations?
- How to use damage concepts to predict failure of structures in service condition?

Location

Campus of E.N.S.E.T. (Ecole Normale Supérieure de l'Enseignement Technique) at Cachan (métro Bagneux), located at 10 km from the centre of Paris.

Participation

As an Euromech rule, participation is restricted to invited (mostly European) people and limited to about 50 scientists. Prospective authors are invited to submit titles and summaries (300–500 words) of paper by 15 February 1981 for selection by the Scientific and Organizing Committee.

All inquiries are requested to be forwarded to the Chairman of the Colloquium:

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