

CALL FOR PAPERS

THIRD INTERNATIONAL SYMPOSIUM ON STRUCTURAL CRASHWORTHINESS AND FAILURE

to be held at

The University of Liverpool, Liverpool, U.K.

14-16 April 1993

Co-Chairmen

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The Third International Symposium is to be held at the University of Liverpool during 14-16 April 1993, and continues with the established five-yearly cycle of meetings. This Symposium aims to integrate as far as possible the principal topics of the first two symposia and the following subject areas indicate the scope of the three-day meeting:

- structural crashworthiness;
- energy absorbing systems;
- dynamic plastic behaviour of structural members;
- dynamic progressive buckling and dynamic plastic buckling of structures;
- failure under high loading rates;
- quasi-static and dynamic rupture and tearing of structures;
- crush prediction of sheet metal structures;
- structural failure of composites;
- system failure (effect of failure of one element on overall structural response);
- scaling laws in combined flow and fracture.

The first of the present series of symposia entitled "Structural Crashworthiness" was held in 1983 in Liverpool. This Symposium was documented by a book entitled *Structural Crashworthiness*, edited by N. Jones and T. Wierzbicki and published by Butterworths. In addition, contributed papers were accommodated in special issues of the *International Journal of Impact Engineering*, Vol. 1, No. 3 (1983) and the *International Journal of Mechanical Sciences*, Vol. 25, Nos 9/10 (1983). The purpose of the first Symposium was to bring together people from various branches of the structural crashworthiness field to exchange views and information. The structural crashworthiness of aircraft, helicopters, cars, buses, trains, ships and offshore platforms were discussed as well as related studies into the behaviour of structural members and energy absorption systems.

The Second International Symposium was entitled "Structural Failure" and was held at M.I.T., Cambridge, Massachusetts in 1988. The proceedings of this Symposium were published in the book *Structural Failure*, edited by T. Wierzbicki and N. Jones and published by John Wiley and in the special issues of the *International Journal of Impact Engineering*, Vol. 7, No. 2 (1988) and the *International Journal of Mechanical Sciences*, Vol. 30, Nos 3/4 (1988). This Symposium focused on the various failure modes of structural members under static, quasi-static and dynamic loads which are of interest to a wide range of structural crashworthiness problems, energy absorbing systems and related engineering problems.

This list is not intended to be exhaustive and any theoretical or experimental study on topics of relevance to Structural Crashworthiness and Failure would be welcome.

Original, contributed papers are sought in the subject areas defined by the scope of the

Symposium. Papers should meet the style, format and length requirements of either the *International Journal of Mechanical Sciences* or the *International Journal of Impact Engineering*. Papers will be subject to a regular review process. There will be no pre-selection process of the conference papers. Two copies of the manuscripts should be sent directly to Professor Norman Jones, who is co-Chairman of the Symposium no later than **1 July 1992**. A separate copy should be sent to Professor T. Wierzbicki, who is co-Chairman of the Symposium. Papers received after that date may appear in later issues of the above-mentioned journals. However, authors are encouraged to forward their contribution as early as possible as only a limited number of papers can be accommodated in the special Symposium issues of the journals and in the Symposium programme.

Enquiries about publications and offers of papers should be sent to Professor Norman Jones before **1 July 1992** with a copy to Professor T. Wierzbicki. An early indication of interest would be appreciated.