

ANNOUNCEMENT

INTERNATIONAL SYMPOSIUM ON STRUCTURAL CRASHWORTHINESS

The University of Liverpool, England
14-16 September 1983

It is the purpose of this Symposium to bring together people from various branches of the Structural Crashworthiness field to exchange views and information. The structural crashworthiness of aircraft (including helicopters), cars, buses, trains, ships and offshore platforms will be discussed as well as recent related studies into the behaviour of structural members.

The following papers will be presented:

Laterally compressed metal tubes as impact energy absorbers
S. R. Reid, Aberdeen University, Scotland

The static approach to plastic collapse and energy dissipation in some thin-walled steel structures
N. W. Murray, Monash University, Australia

Crushing behaviour of plate intersections
T. Wierzbicki, Massachusetts Institute of Technology, U.S.A.

Energy Absorption by structural collapse
P. H. Thornton, H. F. Mahmood and C. L. Magee, Ford Motor Company, U.S.A.

Axial crushing of fibre reinforced composite tubes
D. Hull, University of Liverpool, England

Impact scalability of plated steel structures
E. Booth, D. Collier and J. Miles, Ove Arup and Partners, England

Static and dynamic finite element analysis of structural crashworthiness in the automotive and aerospace industries
E. Haug, F. Arnaudeau, J. Dubois and A. DeRouvray, Engineering System International, France, and J. F. Chedmail, Engineering System International, West Germany

Study of the crash behaviour of aircraft fuselage structures
R. C. Tennyson and J. S. Hansen, University of Toronto Institute for Aerospace Studies, Canada

Aircraft crash dynamics; modelling, verification and application
G. Wittlin, Lockheed-California, U.S.A.

Application of the nonlinear finite element computer program "DYCAST" to aircraft crash analysis
R. J. Hayduk, NASA Langley Research Center and R. Winter and A. Pifko, Grumman Aerospace, and E. L. Fasanella, Kentron International, U.S.A.

Structural aspects of ship collisions
Norman Jones, University of Liverpool, England

Collision resistance of marine structures
E. Pettersen, Trosvik Engineering and S. Valsgård, Det Norske Veritas, Norway

Analysis of frame-type safety structures in road vehicles
D. Kecman, Belgrade University, Yugoslavia

Rail vehicle structural crashworthiness
Pin Tong, Department of Transportation, U.S.A.

Structural damage in airship and rolling stock collision
W. Johnson, Cambridge University, England

Additional papers on various aspects of structural crashworthiness are currently being reviewed and will be presented at the Symposium.

All papers will be printed and available for the Symposium.

The co-chairmen of the Symposium are:

Prof. Norman Jones (Liverpool University); and
Prof. T. Wierzbicki (MIT).

For further information on the programme, registration, accommodation and other details please contact:

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(An early indication of your interest would be appreciated.)