

CALL FOR PAPERS

RAeS/AIAA 12th Aerodynamic Decelerator Systems Technology Conference and Seminar

May 10-13, 1993

RAeS, London

This is the first joint RAeS/AIAA Aerodynamic Decelerator Conference, the previous ones run by the AIAA being held in the United States. The purpose of the meeting will be to actively promote increased international participation and co-operation in the interdisciplinary field of aerodynamic decelerator technology. Technical papers are solicited in all areas consistent with the stated purpose of the conference. These include:

Technology – Aerodynamics, dynamics, guidance and control, structural analysis and materials science.

Requirements – System studies, defining new decelerator applications.

Applications – Decelerators for personnel (military, fire fighting and sport applications) aircraft escape, remotely piloted vehicles, spacecraft landing, aircraft landing, ordnance retardation, rocket payload recovery, rocket booster recovery and re-entry vehicle recovery.

Design: Ballistic and gliding canopies, clusters, paragliders, inflatable structures, packing methods, deployment systems, reefing methods, staging methods, components and material specifications.

Hardware: Attachment structure, release devices, disreef devices, mortars, ejection seats, jettisonable capsules, tractor rockets, retrorockets and airbags.

Development: Programme planning and management, contract management, quality, configuration and interface control, successes, failures and redesign.

Testing: Systems, components, ground tests, flight tests, facilities, instrumentation, data acquisition and data processing.

Manufacturing: Weaving, new material forming methods, sewing, bonding, new fabrication methods, facilities, automation, quality assurance, statistical process control and economic considerations.

Operations: Logistics, life cycles, surveillance, ageing, damage and repair.

Information: Data bases, storage, retrieval, technology transfer, education and historical aspects.

Drafts of papers or abstracts of at least 1000 words are invited. All papers should be in English and cleared for publication. The professional affiliation, mailing address, telephone number and fax number for all authors should be included with a submittal. In addition to the draft or abstract a 100 word synopsis should also be provided.

Four copies of the draft paper or abstract must be submitted by **August 12, 1992** to:

Dr Dean F. Wolf
Sandia National Laboratories
System Research Division
Albuquerque, New Mexico 87185-5800, USA
Tel: 010 1 505 844 1569. Fax 0101 505 844 7593.

Authors will be mailed notification of acceptance and instructions by **November 1, 1992**.

Authors of accepted papers will be expected to submit camera-ready manuscripts to the AIAA Headquarters not later than **February 26, 1993**, for inclusion in the bound volume of conference proceedings. Authors who are unable to meet this deadline will be required to supply 150 copies of their papers upon registration at the conference in order to present their papers.

For further information please contact the RAeS Conference Office, Ref 201, 4 Hamilton Place, London W1V 0BQ. Tel. No: 071-499 3515. Fax No: 071-499 6230.

