

ANNOUNCEMENT

CONFERENCE ON PHYSICS OF ENTRY INTO PLANETARY ATMOSPHERES

Sponsored by American Institute of Aeronautics and Astronautics and the Massachusetts Institute of Technology
KRESGE AUDITORIUM, MIT AUGUST 26-28, 1963 CAMBRIDGE, MASSACHUSETTS

The purpose of the conference is to assay the present state of knowledge on the flow environments and physical, chemical, and electrical phenomena that arise in connection with the entry of bodies at high velocity into the atmosphere of the earth and other planets of the solar system. Emphasis will be placed on the fundamental aspects of "Entry Physics" and not on specific design problems of atmospheric entry. In this regard, both experimental and theoretical papers are solicited, though papers dealing primarily with facilities are considered to be outside the scope of the conference. The conference will be divided into six consecutive sessions.

Session topics as presently defined are:

Physics of High Temperature Gases
Gas-Surface Interaction

Early Entry Phenomena

Hypersonic Flow
High Temperature Gas Flow

SURVEY MEETING OF SPACE PHYSICS INFORMATION

The International Academy of Astronautics and the International Astronautical Federation are co-sponsoring a one-day symposium on "Recently Acquired Knowledge of the Space Environment" on September 27 during the XIVth Congress of the I.A.F. in Paris (September 26-October 1, 1963). The meeting will be held with the support and cooperation of UNESCO, and the scientific cooperation of COSPAR.

The speakers at the meeting will be chosen by the Organizing Committee, the Chairman of which is Professor A. Ehmert, of the Max-Planck-Institut für Aeronomie, at Lindau (German Federal Republic). The review papers will be especially directed to informing those working in the applied and engineering sciences of the present knowledge in the field of space physics.

Calendar of Forthcoming AIAA Meetings

Date	Meeting	Location	Abstract Deadline
July 23-26	Torpedo Propulsion Conference ¹	Newport, R. I.	Past
Aug. 12-14	Guidance and Control Conference ²	Cambridge, Mass.	Past
Aug. 19-21	Aerodynamics Conference ³	New Haven, Conn.	Past
Aug. 26-28	Simulation for Aerospace Flight Conference ³	Columbus, Ohio	Past
Aug. 26-28	Conference on Physics of Entry into Planetary Atmospheres ²	Cambridge, Mass.	Past
Sept. 23-27	1st International Telemetry Conference	London, England	Past
Sept. 26-Oct. 1	XIVth International Astronautical Congress ⁴	Paris, France	Past
Sept. 30-Oct. 1	AIAA-NASA Engineering Problems of Manned Interplanetary Exploration Meeting ³	Palo Alto, Calif.	Past
Nov. 4-6	Vehicle Design and Propulsion Meeting ²	Dayton, Ohio	Past
Nov. 19-21	AMS-AIAA Conference on Stratosphere-Mesosphere Structure ⁵	El Paso, Texas	Aug. 17
Dec. 4-6	AIAA-Air Force Testing of Manned Flight Systems	Edwards Air Force Base, Calif.	Past
Dec. 11-13	Heterogeneous Combustion ⁶	Palm Beach, Fla.	Past
Jan. 20-22	Aerospace Sciences Meeting ⁵	New York, N.Y.	Oct. 14
Jan. 29-31	Solid Propellant Rocket Conference ⁶	Palo Alto, Calif.	Past
May 4-6	Aerospace Propulsion Meeting ⁵	Cleveland, Ohio	Aug. 15

¹ Call for papers in March issue. Flyer with additional program details available from AIAA New York office.

² Call for papers in February issue. Flyer with additional program details available from AIAA New York office.

³ Flyer with additional program details available from AIAA New York office.

⁴ Call for papers in January and April issues.

⁵ Call for papers in this issue.

⁶ Call for papers in May issue.

Except when program chairman is known, abstracts should be mailed to Robert R. Dexter, Director of Technical Services, American Institute of Aeronautics and Astronautics, 500 Fifth Avenue, New York 36, N. Y.

The Society welcomes suggestions from individual members on subjects that would be appropriate for specialist meetings or for special sessions at the Annual Meetings. Such suggestions should be supported in writing by evidence of broad interest in the subject and by the willingness of at least one organization to serve as host. The Meetings Manager will forward such suggestions to the appropriate Technical Committee for consideration.