

# **CALL FOR PAPERS**

## **13th AAS/AIAA Space Flight Mechanics Meeting**

**February 9-12, 2003**

**Ponce Hilton Hotel**

**Ponce, Puerto Rico**

**ABSTRACT DEADLINE: September 15, 2002**

The thirteenth annual AAS/AIAA Space Flight Mechanics Meeting will be held at the Ponce Hilton Hotel, Ponce, Puerto Rico, on February 9-12, 2003. This meeting is cosponsored by the American Astronautical Society (AAS) and the American Institute of Aeronautics and Astronautics (AIAA). The meeting is organized by the AAS Space Flight Mechanics Technical Committee and the AIAA Astrodynamics Technical Committee.

Papers are sought from all areas of astrodynamics, including but not limited to:

- Orbital dynamics, perturbations, and stability
- Earth orbital and planetary mission studies
- Spacecraft formations and satellite constellations
- Trajectory design and optimization
- Orbit determination and tracking
- Spacecraft guidance, navigation, and control
- Attitude dynamics, determination, and control
- Dynamics and control of large space structures and tethers
- Low thrust mission and trajectory design
- Artificial and natural space debris
- Trajectories about libration points
- Dynamical systems theory as applied to space flight problems

Papers will be accepted on the basis of extended abstracts. These abstracts shall consist of:

1. A cover page containing the paper title as well as the name, affiliation, postal address, telephone number, fax number, and email address of each author. This page shall also indicate the corresponding author, who will be the point of contact for all communication from the technical chairs.
2. The text of the extended abstract, which should be approximately 500-1000 words and contain supporting tables and figures. The extended abstract shall provide a clear and concise statement of the problem addressed and the results obtained. Submissions without extended abstracts will not be considered.
3. A condensed (short) version of the abstract (100 words maximum) to be included in the printed conference program.

The deadline for submitting abstracts is 15 September 2002. We encourage submissions to be made by email. Acceptable document formats are pdf, PostScript, ASCII, and Word. For pdf and PostScript files, be sure that all fonts are embedded in the file. For Word files, use only the standard installation fonts. Avoid using symbols and Greek characters in the short abstracts. All material should be sent to each of the technical chairs listed below. Notification of acceptance will be sent to the authors via email by 1 November 2002. Author instructions will be sent by email and also placed on the AAS Web site.

Final manuscripts are required at the time of the meeting. We encourage authors to supply their session chairs with a copy of their paper and a short biography of the presenter before the meeting. A no paper-no podium rule will be in effect for all presentations. Authors whose papers are not available in printed form at the time of the meeting will not be allowed to present their paper.

Proposals are also solicited for appropriate special sessions, such as panel discussions, invited sessions, workshops, and mini-symposia. Potential special session organizers should submit a proposal for their special session. For a panel discussion, this proposal should include a title of the discussion, a brief description of the topics to be discussed, and a list of the speakers and their qualifications. For an invited session, workshop, or mini-symposium, the proposal should consist of the title of the session, a brief description (approximately 500 words), and the extended abstract and short summary for each talk to be included in the session. Copies of the proposals for a special session should be sent to the two technical chairs.

Updated and additional information on the conference will be posted on the following Web site: [www.space-flight.org](http://www.space-flight.org).

The AAS Space Flight Mechanics Technical Committee also announces the John V. Breakwell Student Travel Award. This award provides a maximum of \$1000 to cover travel expenses for U.S. and Canadian students planning to attend the AAS/AIAA Space Flight Mechanics Meeting. For further details about applications for the award, please see the AAS Space Flight Mechanics Committee web site at [www.space-flight.org](http://www.space-flight.org).

Prospective authors in the United States are reminded that technology transfer guidelines have substantially extended the time required for the review of abstracts and completed papers by private enterprises and government agencies. These reviews can require four months or more. It is the responsibility of the authors to determine the extent of approval necessary for their papers to avoid late submissions and paper withdrawals.

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