

Call for Papers — Special Issues

TWO topics of current interest have been selected for emphasis in special issues of the *Journal of Guidance and Control*. Both issues will focus on applications oriented papers. Authors are invited to submit papers on these topics following the specific guidelines given below. All manuscripts must meet the usual AIAA requirements for archival papers as provided on the inside back cover of this issue. The deadline for submittals is December 31, 1980.

All submittals will be placed in the standard AIAA review process. Approximately six papers, including a Survey Paper, will be selected for each special issue. Those not selected for the special issues will be considered for publication in the usual fashion in the *Journal of Guidance and Control*.

Special Issue on Large Space Structures

This issue will focus on two subjects: 1) the experimental verification of control concepts for large space structures; and 2) potential practical systems mechanizations of such control systems. Testing procedures can be either ground based or on-orbit. Papers on other aspects of control of large space structures, such as theoretical developments, will not be considered within the scope of this issue. The intent is to make the issue as practical as possible for a technology in which no space experience is yet available.

Special Issue on the Guidance and Control of Remotely Piloted Vehicles

This issue will focus on tested concepts for the guidance and control of remotely piloted vehicles. Subjects of primary interest include 1) the role of the pilot or operator in "flying" the RPV, 2) the balance and rationale of G&C computation done in the vehicle vs the remote ground station, and 3) the tradeoff between on-board instrumentation and external aids, provided the experimental results are included. Other subject areas of interest include the system design process and method of simulating and verifying flight performance, with the same orientation towards test results.

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Editor-in-Chief