

PRESS RELEASEPRESS RELEASEAUTOMATIC CONTROL IN SPACE

A symposium sponsored by the IFAC
Committee on Space to be held in
Vienna, September 4 - 8, 1967

Vienna will be the centre for international space control experts this September when several hundred of them gather to hear 70 papers presented at this 5 day IFAC Symposium organised by the Austrian Productivity Center. Highlight of the programme now released will be an "Astronaut-Cosmonaut Talk" planned for an evening session on September 7; names of participants will be released shortly.

Subjects covered in the Symposium range over the whole field of space applications, with three opening survey papers setting the theme by describing the problems in outer space, underwater and below earth.

In more detail, sessions will cover system design, lunar systems, navigational problems, attitude control, components, optimal guidance, re-entry and soft landing.

A selection of some of the papers being presented shows that American and Soviet experts will be describing details of projects ranging from the APOLLO system to the LUNA-9 automatic station. Other papers will describe German space activities.

Typical of some of the Soviet contributions bound to arouse interest are: -

- Automatic testing of dynamic characteristics of Boosters and Spacecraft
- Control system of the Automatic Interplanetary station VENERA
- Optimal Correction Strategy for a space vehicle
- Optimal control of a low-thrust space vehicle during departure from a near-earth orbit
- Control of a space vehicle during re-entry
- Automatic Determination of Satellite Orbits and Space Vehicles trajectories by tracking station data processing.

Some of the interesting Papers being presented by American authors include: -

- Manned lunar landing - strategy of system managements
- Attitude stabilization of satellites with gimbaled star trackers
- Precision attitude control for the Advanced TIROS
- Retrieval Techniques for tethered astronauts.

For more details and application forms contact -

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