

**2021 IEEE INTERNATIONAL WORKSHOP ON**

# Metrology for AeroSpace


**MetroAeroSpace2021**
**23-25 JUNE  
2021**
**NAPLES, ITALY**
[www.metroaerospace.org](http://www.metroaerospace.org)
**CALL for PAPERS** <<<<

 UNIVERSITÀ DEGLI STUDI DI NAPOLI  
**FEDERICO II**

 UNIVERSITÀ  
 DEGLI STUDI  
 DEL  
**SANNIO**

&gt;&gt;&gt;&gt; for the Special Session on

## TERRESTRIAL AND IN-FLIGHT VERIFICATION OF THE GNC SYSTEMS FOR AEROSPACE VEHICLES

### > ABSTRACT

The session is devoted to research, design and implementation of guidance, navigation, control (GNC) and communication systems for satellites, space flying robots and various aerospace vehicles. New methods and facilities for the ground and flight testing and adjustment of the GNC aerospace systems, including contemporary methods for passive and active fault-tolerant control, are welcomed. The participation of aerospace industry representatives is welcomed and encouraged. For the session some papers will be presented by members of the IFAC (<http://www.ifac-control.org/>) Technical Committee on Aerospace.

### > TOPICS

Topics of relevance for the session are:

- Terrestrial and in-flight verification of onboard devices and instrumental clusters for aerospace GNC systems
- In-flight adjustment of the aerospace GNC and communication systems
- New methods and facilities for testing of the aerospace GNC systems, including modern methods for the passive and active fault tolerant control
- Software for terrestrial and in-flight identification, verification and tuning of the aerospace GNC and communication systems

### > ORGANIZERS



**YEVGENY SOMOV**  
 Samara State Technical University, Russia

✉ [e\\_somov@mail.ru](mailto:e_somov@mail.ru)



**PAOLO CASTALDI**  
 University of Bologna, Italy

✉ [paolo.castaldi@unibo.it](mailto:paolo.castaldi@unibo.it)

## CONTACTS

✉ [info@metroaerospace.org](mailto:info@metroaerospace.org)

[www.metroaerospace.org/special-session-4](http://www.metroaerospace.org/special-session-4)  
[www.metroaerospace.org](http://www.metroaerospace.org)

## SOCIAL



[fb.com/MetroAeroSpace](https://fb.com/MetroAeroSpace)



[twitter.com/MetroAeroSpace](https://twitter.com/MetroAeroSpace)

Visit the conference website as well as Facebook page for each specific call and additional news.