AEROSPACE TECHNOLOGY

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ABSTRACT

The Minisymposium will be dedicated to present the advances achieved in the Computational Mechanics applied to Aerospace Engineering, as well as to promote the relationships among engineers and scientist who work in this field, in areas in which the computational mechanics and the numerical techniques play a predominant role. Papers to be accepted for presentation at this session should include computational developments and results related to relevant fields in Aerospace, such as:

- Aerodynamics
- Fluid mechanics
- Reacting flows and plasmas
- Flight and orbital dynamics
- Structures and thermomechanics
- Aero-elasticity
- Heat transfer and thermal design
- High Fidelity and Real-Time simulations of aerospace vehicles behavior
- Structural and thermal materials
- Simulation of Space Environment

Keynote Lecturers, which will be referent researches in these areas, will be invited, in agreement with the Organizing Committee.