



actuators



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Advanced Actuators for Aerospace Systems

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submissions:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue is devoted to coverage of advanced actuators and their associated power delivery and control systems for aerospace vehicles, systems, and sub- and super-systems. This Special Issue will include both endoatmospheric and exoatmospheric actuator classes for vehicles as small as subscale munitions, microsats, and microdrones to jumbo jets and solar panel deployment mechanisms. Papers covering primary and secondary flight control, undercarriage extension, and retraction, as well as active flutter suppression, vibration mitigation, launch load accommodation, mission package deployment, and staging actuators are sought. Advanced approaches using pneumatics, electrostatics, electrohydrostatic, modern ultra-high-pressure hydraulics, rare-earth rotary and linear motors, shape-memory alloys, and piezoelectric and other classes of adaptive materials are of interest.

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Special Issue