

Opportunity Title: Controls and Dynamics Technology

Opportunity Reference Code: 0004-NPP-NOV23-GRC-AeroEng

Organization National Aeronautics and Space Administration (NASA)

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Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Opportunity Restricted to US Citizens Only

The objective of this research is to improve the performance, safety, environmental compatibility, reliability, and durability of air and space propulsion systems through the development and demonstration of technologies for advanced control concepts; methods for the diagnosis, prognosis, and mitigation of system failures; and innovative dynamic modeling and analysis approaches to support the same. Controls and diagnostics applications include electrified aircraft propulsion systems, hypersonic propulsion systems, and turbine engine propulsion systems (e.g., active combustion control, turbomachinery stability). In addition to controls and diagnostics applications, dynamic modeling applications also include pressure gain combustion and other advanced turbomachinery concepts and components.

Location:

Glenn Research Center
Cleveland, Ohio

Field of Science: Aeronautics, Aeronautical or Other Engineering

Advisors:

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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree.



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