Opportunity Title: Control System Development and Testing for Electrified Aircraft Technology
Opportunity Reference Code: 0038-NPP-MAR26-GRC-Aero

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0038-NPP-MAR26-GRC-Aero

How to Apply All applications must be submitted in Zintellect

Please visit the NASA Postdoctoral Program website for application instructions and requirements: How to Apply | NASA Postdoctoral Program (orau.org)

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 3/1/2026 6:00:59 PM Eastern Time Zone

Description **About the NASA Postdoctoral Program**

The NASA Postdoctoral Program (NPP) offers unique research opportunities to highly-talented scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

NASA supports the development of safer, more efficient, and higher performing commercial aircraft propulsion systems incorporating novel control strategies, actuators, and system architectures. Development and maturation of control algorithms is critical to achieving the potential benefits of these systems. NASA requires modeling and test capabilities to support this maturation, from control algorithm theoretical formulation and analysis to testing algorithms in real-time on representative target hardware or in system-in-the-loop environments. This Post-Doc position will support the development and application of a system-in-the-loop test rig for performing this control design maturation prior to the testing of these controllers on real experimental hardware. The work will also involve processing and disseminating relevant test data and results. Familiarity with control theory, electrical/computer engineering, embedded systems, and numerical methods is recommended. Familiarity or experience with turbine engine control and avionics systems is helpful.

Field of Science: Aeronautics

Advisors:

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Questions about this opportunity? Please email npp@orau.org

Point of Contact Mikeala

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Doctoral Degree.