Opportunity Title: Development of Electroactive Polymers (EAP) and EAP-Based Devices
Opportunity Reference Code: 0004-NPP-MAR26-LRC-Aero

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0004-NPP-MAR26-LRC-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:

This research will focus on the development of high performance, high efficiency electroactive polymers (EAPs), particularly electromechanically active polymers by controlling molecular chemical structures and morphology. Mechanisms of electromechanical properties of EAPs will be investigated by laboratory experimental and computational studies. The research will also develop prototype devices, micro-electromechanical systems, and artificial muscles, using EAPs for aerospace applications.

Location:
Langley Research Center
Hampton, Virginia

Field of Science: Aeronautics

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

Point of Contact Mikeala

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Eligibility Requirements	• **Citizenship:** LPR or U.S. Citizen • **Degree:** Doctoral Degree.