

Opportunity Title: Development of Electroactive Polymers (EAP) and EAP-Based Devices

Opportunity Reference Code: 0004-NPP-NOV23-LRC-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 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:

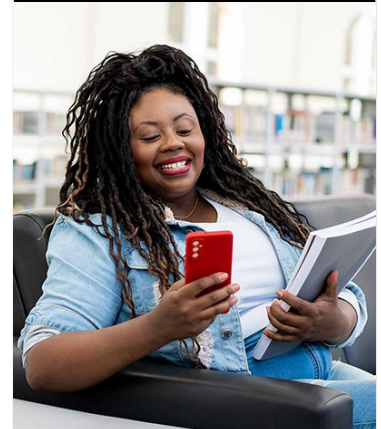
Langley Research Center
Hampton, Virginia

Field of Science:Aeronautics, Aeronautical or Other Engineering

Advisors:

Ji Su
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757-864-8336

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



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