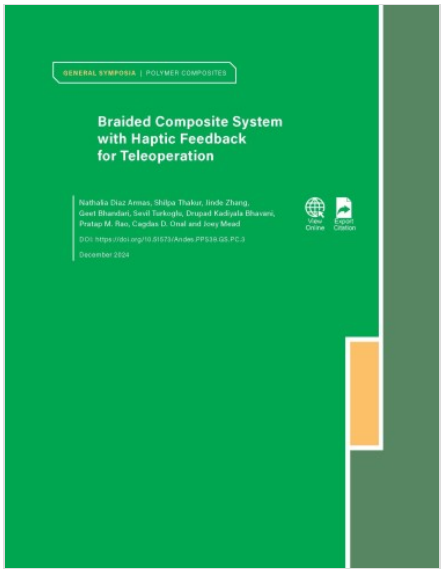
Braided Composite System with Haptic Feedback for Teleoperation



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Sinopsis

A pneumatic-driven soft robotic actuator made from braided nylon coated with silicone elastomer was created using a new fabrication process, with the aim of providing haptic feedback to the fingers in teleoperation applications. The resulting haptic actuator was designed to be flexible, lightweight, and wearable, offering a comfortable user experience. Through the manipulation of the braiding angle, multiple devices were fabricated, focusing on their effective ness in transmitting haptic sensations to the user's finger.

Escanea para ver en línea

E-Book

Año de publicación: 2024

Presentación: PDF (Digital: descarga y online)

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