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# Piezoelectricity and Its Use in Disturbance Sensing and Control of Flexible Structures: A Survey

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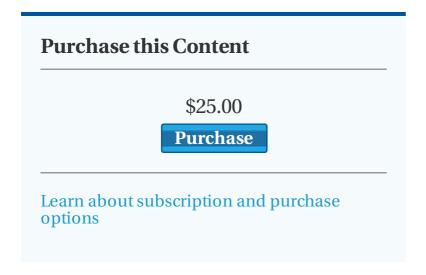
#### **ARTICLE**

## **Abstract**

Piezoelectric materials are being used at an increasing rate by researchers in the areas of vibration measurement and control. Due to their distinct features, these materials can be employed in a distributed sensing and control of intelligent structures that have a highly integrated cont architecture. By employing piezoelectric materials, it is feasible to achieve an accurate responsant monitoring and effective control of flexible structures. In this survey paper, the recent research tree addressing piezoelectricity in the context of distributed sensing and control of flexible structures a discussed. A brief history of piezoelectricity is also noted.

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Topics: Piezoelectricity, Flexible structures, Piezoelectric materials, Vibration measurement



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