

**16th International Symposium on Functionally Graded Materials, Hartford, Connecticut, USA
August 9-12, 2020**

Mini-Symposium Title: Responsive and Architected Functional Materials

Organizers:

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Description:

Advances in modern fabrication technologies and the growing capabilities of solving ever-complex numerical problems have created new opportunities to design materials with unprecedented and exotic properties. These properties can range from negative effective properties (mass, stiffness or Poisson's ratio) to materials with the ability to swim, crawl or jump in response to environmental cues. The focus of this mini-symposium is to seek state-of-the-art research in the field of responsive and architected functional materials. Specific topics of interest include, but are not limited to:

- New paradigms of design, development, and fabrication of responsive and architected materials
- New mechanics models for architected materials
- Novel experimental methods to design and characterize multi-functional materials