The Mathematical Laws of Morphology and Biomechanics

Tuesday 8th February 2022 noon EST
Virtual Presentation: *https://purdue.webex.com/meet/aselvite*
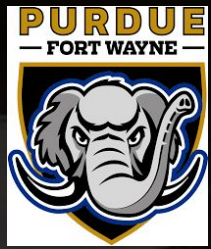
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Small, springy, and ultrafast: organisms operating at biomechanical and morphological limits

The fastest, repeated-use movements on the planet are produced by tiny organisms using elastic structures for propulsion. This seminar will examine the biomechanics, evolution, and synthesis of these extraordinary movements operating at extremes. Their morphology and biomechanics have revealed fundamental principles of scaling with broad interdisciplinary relevance.