

**Origami and Spacecraft Structures - Current Work and a Brief History**

**Manan Arya**  
Jet Propulsion Laboratory-California Insititute of Technology

**June 17, 2020**  
4:00 p.m.

The mathematics, physics, and engineering of origami is a thriving field of academic research. We will discuss the origin and the maturation of the formal study of paper folding. Of the many applications of origami, this talk will focus on the design of deployable elements for spacecraft. Using specific examples from current work at JPL on starshades and solar arrays, this talk will highlight recent advances in origami engineering and its application to unfoldable spacecraft structures.

**ZOOM ONLY**