



Seminar/Talk

Beaded metamaterials

Lauren Dreier

Princeton University

Host: Jérémie Palacci

Beaded materials incorporate discrete, volumetric elements into programmable thread networks, enabling materials that sustain tensile forces along threads and compressive forces at bead contacts. These coupled interactions give rise to emergent behaviors such as tunable stiffness, metastability, and superjamming, expanding textiles into new realms of structural and adaptive performance. We study how these behaviors evolve in larger assemblies and explore design principles that govern their mechanical response. This work suggests a path toward hybrid textile systems as a versatile platform for programmable matter and adaptive structures.

Thursday, April 23, 2026 11:00am - 12:00pm

Mondi Seminar Room 2, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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