

Using a Confocal Rheoscope to Investigate Soft Squishy Materials

(Talk #1)

20 μm

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Soft matter systems derive their bulk mechanical properties from their underlying micro-scale structure and its response to thermal fluctuations. In this talk I will discuss how we are using our newly developed confocal rheoscope to simultaneously measure changes in the mechanical behavior and structural organization of materials ranging from shear thinning and thickening colloidal suspensions to various strain stiffening biological tissues.

