



**DEPARTMENT OF PHYSICS AND ASTRONOMY
and
DEPARTMENT OF MATHEMATICS**



Topology-Physics Seminar Series

TOPOLOGY AND PROBABILITY

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In this talk we introduce a fascinating connection between probability and topology. We will begin by motivating the problem, illustrating how topological concepts relate to common probabilistic phenomena in condensed matter physics. We will then present a concrete example that links the stochastic dynamics of a Brownian particle moving toward a target with the topology of the medium. We will conclude by discussing future direction and potential applications.

**Tuesday, September 17, at 3:00 PM,
CSP Conference Room 322, Physics Building**

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