



ICTS

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS Seminar

Title : Random Geometry Problems

Speaker : Lakshminarayanan Mahadevan, Applied Mathematics, Physics, and Organismic and Evolutionary Biology, Harvard University

Date : Thursday, July 11, 2019

Time : 2:00 PM

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : Inspired by simple notions from geometric probability and probabilistic geometry, I will discuss a few questions in dynamics, perception, and action that include the physics of a coin toss, machine classification algorithms for faces and places, and optimal throwing and navigation strategies in uncertain environments. Time permitting I will also raise some psychophysical issues associated with mathematical intuition and learning particularly in the context of geometry and probability.