



ICTS

INTERNATIONAL
CENTRE *for*
THEORETICAL
SCIENCES

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS Geometry and Physical Mathematics Seminar

Title : Tropical integrable systems

Speaker : Terrence George (TIFR-CAM)

Date : Thursday, 03 September 2026

Time : 03:30 PM (IST)

Abstract : The box-ball system is a simple discrete dynamical system in which groups of balls move and interact in a striking way: after colliding, they re-emerge with their shapes and speeds unchanged, much like solitons in continuous systems. Despite its elementary definition, the system has a rich hidden structure. I will explain how the box-ball system fits into a broader family of integrable systems arising from statistical mechanics and combinatorics, and describe some results about their structure.
Based on joint work with Pavel Galashin.

Venue : Chern Lecture Hall

Zoom Meeting: <https://icts-res-in.zoom.us/j/91813930258?pwd=j1cRrKjFWCLvaR1H3kWwTSiR06F4gD.1>

Meeting ID: 918 1393 0258

Passcode: 635857