

## **ICTS Seminar**

Title	: Microscopic characterisation of interacting active particles
Speaker	: Arghya Das, ICTS-TIFR, Bangalore
Date	: Monday, June 10, 2019
Time	: 11:00 AM
Venue	: Emmy Noether Seminar Room, ICTS Campus, Bangalore
Abstract	: Active particles constitute a paradigm of nonequilibrium processes, and they exhibit remarkable properties that are markedly different from equilibrium systems in both single or few and many particle level. I shall briefly discuss an exact solution for the steady state properties of single active Brownian particles in a two dimensional harmonic trap. Then the gap distribution of a pair of interacting run and tumble walkers in one dimension will be elaborated. Time permitting, I will briefly outline some results for many interacting run and tumble particles.