



香港浸會大學

HONG KONG BAPTIST UNIVERSITY

FACULTY OF SCIENCE

**Department of Physics &
Institute of Computational and
Theoretical Studies**

JOINT COLLOQUIUM

**Active matter:
moving and pushing together**

BY

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4:00am – 5:00pm

SCT716, Science Tower, HSH Campus

Abstract

Active matter systems are made of large number of individual units that consume energy to self-propel. Being fundamentally out of equilibrium, their physics is very different from that of passive colloid. I will discuss two aspects of the rich phenomenology of active fluids: how collective motion naturally emerges from aligning interactions and how the concept of pressure, which is so familiar to all physicists, is ill defined for these systems.

<http://www.msc.univ-paris-diderot.fr/~jtailleur/>

All Interested Are Welcome!