



SPEAKER: Davison Anthony

TITLE: **PHYSTAT Seminar: Statistical discovery and the modelling of rare events**

DATE: 9 Oct 2019, 11:00

PLACE: 500/1-001 - Main Auditorium

ABSTRACT

Statistical discovery is often described as finding a needle in a haystack, and amounts to a rare event. This talk will discuss the links between discovery and rare event modelling, which is a rapidly-developing area of statistics with deep links to stochastic modelling. The discussion will be illustrated by examples including gene-hunting, assessing the evidence for an upper limit to human lifetimes, and ethics for the automatic use of artificial intelligence.

Organised by: M. Girone, M. Elsing, L. Moneta, M. Pierini Event
co-organised with the [PHYSTAT
Committee](<https://espace.cern.ch/phystat>) **Coffee
will be served at 10h30**