

Department of Statistics & Data Science
Colloquium Series
Fall 2019

Speaker: Dr. Hsin-Hsiung Bill Huang

Title: Modelling Moving Points: Prediction of Ship Trajectory

Date: Friday, November 1st, 2019

Time: 11:00 – 12:00

Location: Technology Commons II - Room 222

Abstract:

Research of movement trajectory is undergoing a revolution due to the growing volumes of high-resolution spatio-temporal movement data and models. A key challenge now is the analysis of massive movement datasets with largely different sampling rates and accuracy such as automatic identification system (AIS) geolocation data. In particular, it is important and challenging to identify movement trajectories which have close paths and changing speeds and angles particularly in an unsupervised manner. In this talk, I will talk about our methods for modelling the challenge AIS data.