

# 地理情報科学セミナー2023

4月11日 10:45-12:00

埼玉大学総合研究棟 1号館 1階シアター教室  
(オンライン配信あり)

## Spatially Varying Coefficient models with Geographical Gaussian Process GAMs (GGP-GAMs)

Speaker: Prof. Alexis John COMBER  
(University of Leeds)

Spatially varying coefficient (SVC) models provide methods for understanding how and where processes and statistical relationships vary spatially. Most spatial processes have a Gaussian form. That is, they exhibit some form of distance decay when considered from any given location. Generalised Additive Models (GAMs) can handle outputs with many types of distributions and relationships (linear, polynomial non-linear) and splines are the building blocks of GAMs. This talk describes a new approach to SVC modelling using Gaussian Process splines parameterised with observation location.

遠方より参加の方には Microsoft Teams による配信を行います。

なお、現地参加・オンライン参加に関わらず、下記より事前登録が必要です。

<https://bit.ly/LexComberSULecture>