



ELLIS talk

ELLIS Talk: Geometric Gaussian Processes

Viacheslav Borovitskiy

ETH Zürich

Host: Christoph Lampert

Gaussian processes (GPs) are often considered to be the gold standard in settings where well-calibrated predictive uncertainty is of utter importance, such as decision making. It is important for applications to have a class of general purpose GPs. Traditionally, these are the stationary processes, e.g. RBF or Matrn GPs, at least for the usual vectorial inputs. For non-vectorial inputs, however, there is often no such class. This state of affairs hinders the use of GPs in a number of application areas ranging from robotics to drug design. In this talk, I will consider GPs taking inputs on a manifold, on a node set of a graph, or in a discrete space of graphs. I will discuss a framework for defining the appropriate general purpose GPs, as well as the analytic and numerical techniques that make them tractable.

Wednesday, June 7, 2023 04:00pm - 05:00pm

Heinzel Seminar Room / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.