

Speaker: Emtiyaz.Khan

Title: Deep Learning with Bayesian Principles

Summary: I will introduce basics of Bayesian principles that are relevant to modern applications in deep learning.

The talk will be a more accessible version of my [NeurIPS tutorial](#), where I will go through less details and focus on the "basics". We will focus more on a discussion style lecture.

Student will benefit greatly from watching this (3hr) video beforehand, which covers many things in great detail: <https://www.youtube.com/embed/HDAgoD9BtEY?rel=0>. Slides for this video are at <https://emtiyaz.github.io/papers/deep-learning-khan.pdf>

An up to date paper summarizing many of these insights is here (<https://arxiv.org/abs/2107.04562>), but it is not necessary to read this before the lecture.