HKU-TCL Joint Research Centre for AI Workshop

Speaker:
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Title:
Scalable Inference for Bayesian Non-parametrics

Abstract:
Bayesian non-parametric models, despite their theoretical elegance, face a serious computational burden that prevents their use in modern artificial intelligence. Inherent dependencies in Bayesian non-parametric models make this task of fast inference very difficult. Instead, we must either construct good approximations or develop clever reformulations of our models so that we perform inference with provably accurate results. This talk will discuss a few algorithms for scalable Bayesian inference in the context of solving problems in artificial intelligence.