

DEPARTMENT OF COMPUTER SCIENCE

SEMINAR

2025 SERIES

Model Merging with Sparsity: Theory, Algorithms and Applications

DATE & TIME

14 MAY 2025 (WED) 4:00 – 5:00 PM

VENUE

DLB111, 1/F, DAVID C. LAM BUILDING, SHAW CAMPUS



DR. HAN ZHAO

Assistant Professor
Department of Computer Science
Department of Electrical and Computer Engineering (affiliated)
University of Illinois at Urbana-Champaign

ABSTRACT

In this talk, I will be discussing model merging, a new paradigm of post-training algorithms for multi-task learning with large-scale models. I will begin by introducing its application in safe information localization of LLaMa 3 models, and then discuss the underlying ideas that enable the design of efficient and sparse localization algorithms. I will conclude the talk by discussing a theory to explain its practical success, which also shed light on the fundamental factors that enable its wide applications.



SPEAKER'S
BIOGRAPHY



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