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6th Youth in High-Dimensions: Recent Progress in Machine Learning, High-Dimensional Statistics and Inference & How creative is Generative AI? Perspectives from Science and Philosophy | (smr 4084)

Wednesday 09 July 2025

Contributed talks - Kastler Lecture Hall (AGH) (11:00-14:00)

Chair: Jean Barbier (ICTP)

time	title	presenter
11:00	Local minima of the empirical risk in high-dimensions: general theorems and convex examples	BASIL SAEED
11:15	Spectral Estimators for Multi-Index Models: Precise Asymptotics and Optimal Weak Recovery	FILIP KOVACEVIC
11:30	Training Dynamics of In-Context Learning in Linear Attention	YEDI ZHANG
11:45	What's in a caption? Finding semantics with the information imbalance	ANDREA MASCARETTI
12:00	Dissecting the Interplay of Attention Paths in a Statistical Mechanics Theory of Transformers	LORENZO TIBERI
12:30	Lunch	