

# JHU Workshop on Measurement Errors and Latent Variables 2024

9:00-9:50	<b>Yuan Liao</b> (Rutgers) “Economic forecasts using many noises”
10:00-10:50	<b>Tracy Ke</b> (Harvard) “Mixed membership estimation for social networks”
11:00-11:50	<b>Yingyao Hu</b> (JHU), <b>Yang Liu</b> (IMF), <b>Jiaxiong Yao</b> (IMF) “Revealing Unobservables by Deep Learning: Generative Element Extraction Networks (GEEN)”
12:00 PM	<i>Lunch</i>
2:00-2:50	<b>Kun Zhang</b> (CMU) “Causal Representation Learning, and How it Deals with Latent Confounders and Measurement Error”
3:00-3:50	<b>Tianmin Shu</b> (JHU) “Machine Theory of Mind -- Reasoning about the Latent Mental Variables of Humans”
4:00-4:50	<b>Fei Miao</b> (UConn) “Uncertainty Quantification, Robust Learning and Optimization for Embodied AI”
5:00-5:50	<b>Yingyao Hu</b> (JHU) & <b>Fangzhu Yang</b> (JHU) “Estimation of dynamic models with unobserved state variables by reinforcement learning”
6:30 PM	<i>Dinner</i>

**DATE:**

MAY 11TH, 2024

**LOCATION:**

WYMAN PARK BUILDING, ROOM 603  
3100 WYMAN PARK DRIVE, BALFMORE, MD 21211