

TLDR: Probes multilingual stereotypes and its cross-lingual transfer in LLMs.

Robust & Interpretable Representations

8. **Xudong Shen**, Yongkang Wong, Mohan Kankanhalli, “Fair Representation: Guaranteeing Approximate Multiple Group Fairness for Unknown Tasks”. In *IEEE Trans. PAMI* (2023).

TLDR: Learns representation with robustness guarantees that transfer to unseen tasks.

9. Ziwei Xu, **Xudong Shen**, Yongkang Wong, Mohan Kankanhalli, “Unsupervised Motion Representation Learning with Capsule Autoencoders”. In *NeurIPS* (2021).

TLDR: Learns representations with built-in interpretability via capsule networks.

Predictive Modeling for Real-World Decision Making

10. **Xudong Shen**, Tianhui Tan, Tuan Q. Phan, Jussi Keppo, “Gender Animus Can Still Exist Under Favorable Disparate Impact: a Cautionary Tale from Online P2P Lending”. In *FAccT* (2023).

TLDR: Time-to-event modeling to predict default & profitability on million-scale lending data.

Regulatable AI: Policy & Technical Mechanisms

11. **Xudong Shen**, Hannah Brown, Jiashu Tao, Martin Strobel, Yao Tong, Akshay Narayan, Harold Soh, Finale Doshi-Velez, “Directions of Technical Innovation for Regulatable AI Systems”, In *Communications of the ACM* (2024).

TLDR: maps technical mechanisms that make AI easier to regulate in practice.

12. Ayse Gizem Yasar, Andrew Chong[†], Evan Dong[†], Thomas Krendl Gilbert[†], Sarah Hladikova[†], Roland Maio[†], Carlos Mougán[†], **Xudong Shen**[†], Shubham Singh[†], Ana-Andreea Stoica[†], Savannah Thais[†], “Integration of Generative AI in the Digital Markets Act: Contestability and Fairness from a Cross-Disciplinary Perspective”, (2024), **LSE working papers series**.

TLDR: analyzes how GenAI interacts with platform regulation.

FELLOWSHIPS	DAAD AInet Fellow, DAAD, Germany	2024
	Master Kong Dream Scholarship Program, Waseda University, Japan	Sep. 2018-Feb. 2019
	Globalink Research Internship, York University, Canada	May.-Aug. 2018
	Erasmus+ Student Mobility, Università di Trento, Italy	Feb.-Jun. 2017