Jiali Cui

✉ jcui7@stevens.edu · 📞 201-920-8593 · 💼 Linkedin · 🏠 My Page

📖 Publication

Learning Multi-stage Energy-based Prior for Hierarchical Generative Models page coming soon

Jiali Cui, Tian Han

Submitted to The 38th Conference on Neural Information Processing Systems (@ *NeurIPS 2024*)

Keyword: **Multi-stage Learning, EBM prior model, multi-layer generator model**.

Learning Multimodal Latent Generative Models with Energy-Based Prior page coming soon

Shiyu Yuan, Jiali Cui, Hanao Li, Tian Han

The European Conference on Computer Vision 2024 (@ *ECCV 2024*)

Keyword: **MultiModality, EBM prior model**.

Learning Latent Space Hierarchical EBM Diffusion Models [page link]

Jiali Cui, Tian Han

The International Conference on Machine Learning 2024 (@ *ICML 2024*)

Keyword: **diffusion probabilistic scheme, EBM prior model, multi-layer generator model**.

Learning Energy based Model via Dual MCMC Teaching [page link]

Jiali Cui, Tian Han

The 37th Conference on Neural Information Processing Systems (@ *NeurIPS 2023*)

Keyword: **cooperative learning, Markov Chain Monte Carlo (MCMC) sampling, EBM**

Learning Hierarchical Features with Joint Latent Space EBM Prior [page link]

Jiali Cui, Ying Nian Wu, Tian Han

The IEEE/CVF International Conference on Computer Vision (@ *ICCV 2023*)

Keyword: **representation learning, EBM, multi-layer generator model**

Learning Joint Latent Space EBM Prior Model for Multi layer Generator [page link]

Jiali Cui, Ying Nian Wu, Tian Han

The IEEE/CVF Conference on Computer Vision and Pattern Recognition 2023 (@ *CVPR 2023*)

Keyword: **joint learning, EBM prior, multi-layer generator model**

Semi-supervised Learning by Latent Space EBM of Symbol-Vector Coupling [page link]

Jiali Cui, Ying Nian Wu, Tian Han

Workshop on I Can't Believe It's Not Better (ICBINB) (@ *NeurIPS 2021*)

Keyword: **semi-supervised learning, EBM prior**

🎓 Education

Stevens Institute of Technology, Hoboken, NJ — Sep. 2021 – Present

Ph.D in Computer Science, expected May 2025

Stevens Institute of Technology, Hoboken, NJ — Sep. 2019 – May. 2021

M.S. in Computer Science

Harbin Institute of Technology, Harbin, China — Sep. 2015 – May. 2019

B.S. in Computer Science

⚙ Skills

- Methodology: Computer vision, Machine learning, Deep learning.
- Programming Languages: Python (Pytorch, Tensorflow)
- Language: English, Mandarin

👥 Professional Service

Conference Reviewer: ECCV'22, AAAI'22, ICCV'23, AAAI'23, CVPR'23, NeurIPS'23, AAAI'24, ICLR'24, ICML'24, CVPR'24, ECCV'24, NeurIPS'24