
PAPER LIST

March 10: Autoregressive Models

[Transformers are RNNs:Fast Autoregressive Transformers with Linear Attention](#)

Angelos Katharopoulos, Apoorv Vyas, Nikolaos Pappas, François Fleuret. ICML 2020.

March 17: Normalizing Flow Models

[Normalizing Flows with Multi-Scale Autoregressive Priors](#)

Apratim Bhattacharyya, Shweta Mahajan, Mario Fritz, Bernt Schiele, Stefan Roth. CVPR 2020.

March 24: Variational Autoencoders

[NVAE: A Deep Hierarchical Variational Autoencoder](#)

Arash Vahdat and Jan Kautz. NeurIPS 2020.

March 31: Generative Adversarial Networks I

[MSG-GAN: Multi-Scale Gradients for Generative Adversarial Networks](#)

Animesh Karnewar, Oliver Wang. CVPR 2020.

April 7: Spring Break

April 14: Generative Adversarial Networks II

[GANSpace: Discovering Interpretable GAN Controls](#)

Erik Härkönen, Aaron Hertzmann, Jaakko Lehtinen, Sylvain Paris. NeurIPS 2020.

April 21: Discrete Latent Variable Models

[Taming Transformers for High-Resolution Image Synthesis](#)

Patrick Esser, Robin Rombach, Björn Ommer, arXiv preprint arXiv:2012.09841, 2020.

April 28: Strengths and Weaknesses of Current Models

[Generative Models as Distributions of Functions](#)

Emilien Dupont, Yee Whye Teh, Arnaud Doucet. arXiv preprint arXiv:2102.04776, 2021.

May 5: Project Progress Presentations

May 12: Self-Supervised Learning

[Demystifying Contrastive Self-Supervised Learning: Invariances, Augmentations and Dataset Biases](#)

Senthil Purushwalkam, Abhinav Gupta. NeurIPS 2020.

May 17: Pretraining Language Models

[X-LXMERT: Paint, Caption and Answer Questions with Multi-Modal Transformers](#)

Jaemin Cho, Jiasen Lu, Dustin Schwen, Hannaneh Hajishirzi, Aniruddha Kembhavi. EMNLP 2020.