Flatiron-Wide Machine Learning (FWML) meeting

Monday, June 5, 2023

Session: Wavelet scattering statistics for astrophysics - **162 Fifth Avenue/2-2nd Floor Promenade (2:00 PM - 2:30 PM)**

   -Conveners: Bruno rd Régaldo-Saint Blanca

Session: Hands free single cell RNAseq data with Random Matrix Theory - **162 Fifth Avenue/2-2nd Floor Promenade (2:30 PM - 3:00 PM)**

   -Conveners: Victor Chardès

Session: Weakly-supervised anomaly detection in the Milky Way - **162 Fifth Avenue/2-2nd Floor Promenade (3:20 PM - 3:50 PM)**

   -Conveners: Mariel Pettee

Session: Self-supervised representation learning for temporal data - **162 Fifth Avenue/2-2nd Floor Promenade (3:50 PM - 4:20 PM)**

   -Conveners: Pierre-Étienne Fiquet

Session: Hot Topic: GPUs - **162 Fifth Avenue/2-2nd Floor Promenade (4:40 PM - 5:15 PM)**

   -Conveners: Geraud Krawezik

Tuesday, June 6, 2023

Session: Neural-network quantum states - 162 Fifth Avenue/2-2nd Floor Promenade (10:00 AM - 10:30 AM)

  -**Conveners: Matija Medvidović**

Session: An introduction to neural signal representations (NeRFs) with applications to Cryo-EM - 162 Fifth Avenue/2-2nd Floor Promenade (10:30 AM - 11:00 AM)

  -**Conveners: Wenda Zhou**

Session: Amortized variational inference: when and why? - 162 Fifth Avenue/2-2nd Floor Promenade (11:20 AM - 11:50 AM)

  -**Conveners: Charles Margossian**

Session: Hot Topic: Diffusion models - 162 Fifth Avenue/2-2nd Floor Promenade (11:50 AM - 12:25 PM)

  -**Conveners: Zahra Kadkhodaie**

Wednesday, June 7, 2023

<u>Session: Interpreting neural networks for physics</u> - 162 Fifth Avenue/2-2nd Floor Promenade (10:00 AM - 10:30 AM)

   -Conveners: Anna Dawid

<u>Session: Symbolic distillation of neural networks</u> - 162 Fifth Avenue/2-2nd Floor Promenade (10:30 AM - 11:00 AM)

   -Conveners: Miles Cranmer

<u>Session: Comparing ANNs and humans with metameric stimuli</u> - 162 Fifth Avenue/2-2nd Floor Promenade (11:20 AM - 11:50 AM)

   -Conveners: Jenelle Feather

<u>Session: Hot Topic: Transformers</u> - 162 Fifth Avenue/2-2nd Floor Promenade (11:50 AM - 12:25 PM)

   -Conveners: Kaze Wong