Learn the Universe -- an ML X Cosmology Workshop

Wednesday, August 25, 2021

<u>Structured Section: Robust ML for science</u> - **2nd Floor, IDA (2:00 PM - 3:45 PM)**

time	[id] title	presenter
2:00 PM	[15] Biwei Dai: Translation and Rotation Equivariant Normalizing Flow (TRENF) for Optimal Cosmological Analysis	
2:15 PM	[16] David Yallup : Principled Bayesian Neural Networks	
2:30 PM	[17] Miles Cranmer: Histogram Pooling Operators for Interpretable Deep Learning in Cosmology	
2:45 PM	[18] Anima Anandkumar: AI4 Science A revolution in the making	
3:00 PM	[35] Michael Eickenberg: Wavelet Modulus Integrals for Parameter Estimation	

Thursday, August 26, 2021

<u>Structured Section: Robust ML for science</u> - 2nd Floor, IDA (2:00 PM - 3:45 PM)

time	[id] title	presenter
2:00 PM	[30] Anima Anandkumar, " AI4 Science A revolution in the making "	
2:15 PM	[29] Greg Bryan, Introducing the Simons Collaboration "Learning the Universe"	
2:30 PM	[33] Rachel Somerville: New methods to model galaxy formation so that we can Learn the Universe	
2:45 PM	[31] Ana Maria Delgado: Modeling Galaxy-Halo connection with Machine Learning	
3:00 PM	[32] Sultan Hassan: HIFlow: Fast Emulator of HI maps using Normalizing Flow	

<u>Structured Section: Robust ML for science</u> - 2nd Floor, IDA (2:00 PM - 3:45 PM)