ML4GW@NL: Dutch Machine Learning for Gravitational Waves Meeting

Friday, 8 December 2023

ML4GWNL: Waveforms and Detector Characterisation - Ruppert 011 (10:15 - 12:15)

time	[id] title	presenter
10:15	Opening remarks and welcome	
10:30	[7] Ameliorating transient noise bursts in gravitational-wave searches for intermediate-mass black holes	LOPEZ, Melissa
10:50	[6] cDVGAN: Improved Conditional GANs for Generalized Gravitational Wave Transient Generation	DOONEY, Tom
11:10	[9] Machine Learning Gravitational Waves from Binary Black Hole Mergers with Higher Order Modes	SCHMIDT, Stefano
11:30	[8] Accelerating gravitational wave parameter estimation with normalizing flows	WOUTERS, Thibeau
11:50	[11] Quantum Support Vector Machine for Gravitational Wave Detection	GOBEIL, Jeremie

ML4GWNL: Parameter Estimation Techniques - Ruppert B (13:45 - 15:05)

time	[id] title	presenter
13:45	[1] Tuning neural posterior estimation for gravitational waves	KOLMUS, Alex
14:05	[2] Normalizing Flows as an Avenue to Studying Overlapping Gravitational Wave Signals	LANGENDORFF, Jurriaan
14:25	[3] Sequential simulation-based inference for gravitational waves of the current and future era	Mr BHARDWAJ, Uddipta
14:45	[4] Stochastic Gravitational Wave Background Analysis with SBI	ALVEY, James

ML4GWNL: Discussion: What is the future for ML for GW in NL? - Ruppert B (15:35 - 16:50)

time	[id] title	presenter
15:35	[10] Introduction to the discussion panel	ALVEY, James
15:45	Discussion session: Future of Machine learning for Gravitational wave studies in the Netherlands	