

ML4GW@NL: Dutch Machine Learning for Gravitational Waves Meeting

Friday, December 8, 2023

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

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

ML4GWNL: Parameter Estimation Techniques - Ruppert B (1:45 PM - 3:05 PM)

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

ML4GWNL: Discussion: What is the future for ML for GW in NL? - Ruppert B (3:35 PM - 4:50 PM)

time	[id] title	presenter
3:35 PM	[10] Introduction to the discussion panel	ALVEY, James
3:45 PM	Discussion session: Future of Machine learning for Gravitational wave studies in the Netherlands	