PCCP Workshop Series : Bayesian Deep Learning for Cosmology and Gravitational waves

mercredi 4 mars 2020

Contribution talks - Pierre-Gilles de Gennes Amphitheater (15:10 - 15:50)

time	[id] title	presenter
15:10	[32] Star-galaxy separation via Gaussian Processes with Neural Network Dual Kernels	Dr GOUMIRI, Imene
15:30	[33] Detection of gravitational-wave signals from binary neutron star signals using machine learning	SCHÄFER, Marlin Benedikt

Contribution talks - Pierre-Gilles de Gennes Amphitheater (16:10 - 16:50)

time	[id] title	presenter
16:10	[30] Deep learning dark matter map reconstructions and parameter inference with Dark Energy Survey data	Dr JEFFREY, Niall
16:30	[31] Neural networks estimation of the dense-matter equation of state from neutron-star observables	M. MORAWSKI, Filip

jeudi 5 mars 2020

Contribution talks - Buffon Amphitheater (14:40 - 15:40)

time	[id] title	presenter
14:40	[34] Deep learning for a faster Hamiltonian Monte Carlo sampler	M. ARÈNE, Marc
15:00	[35] Galaxy Zoo: Probabilistic Morphology through Bayesian CNNs and Active Learning	M. WALMSLEY, Mike
15:20	[36] Bayesian parameter estimation using conditional variational autoencoders for gravitational wave astronomy	M. GABBARD, Hunter

Contribution talks - Buffon Amphitheater (16:10 - 17:10)

time	[id] title	presenter
16:10	[37] Denoising gravitational wave signals with a variational autoencoder	Dr BACON, Philippe
16:30	[38] Solving source separation problem for LISA data analysis with Autoencoders	Dr KORSAKOVA, Natalia
16:50	[39] The devil is in the details: interpreting probabilities from machine learning	MALZ, Alex