

3rd Workshop on Graph Neural Networks for Neutrino Telescope Event Reconstruction (GraphNeT III)

Tuesday, 2 May 2023

Presentations: Tuesday I (09:00 - 10:30)

time	[id] title	presenter
09:00	[18] Welcome	SØGAARD, Andreas
09:15	[4] GraphNeT overview	SØGAARD, Andreas
09:45	[5] Representation learning using Graph Neural Networks	SELVAN, Raghavendra

Presentations: Tuesday II (11:00 - 12:30)

time	[id] title	presenter
11:00	[6] IceCube Kaggle Challenge	ELLER, Philipp
11:30	[7] Galactic plane search with DL in IceCube	HÜNNEFELD, Mirco
12:00	[22] Event Classification for the ESSnuSB using GNNs	IVERSEN, Kaare Endrup

Presentations: Poster session (17:00 - 18:00)

time	[id] title	presenter
17:00	[23] Poster - Improving the direction and energy estimation of low-energy events in ANTARES with machine learning	GARCÍA MÉNDEZ, Juan
17:05	[24] Poster - Impact of muon deflections on angular muon reconstructions	GUTJAHR, Pascal
17:10	[26] Poster - Detection and reconstruction of GeV neutrinos with IceCube	KRUISWIJK, Karlijn
17:15	[27] Poster - Improving the sensitivity of KM3NeT in the MeV-GeV range using a GCN	MAURO, Jonathan
17:20	[29] Poster - Ideas to measure the prompt component of the atmospheric muon flux	NESTE, Ludwig

Wednesday, 3 May 2023

Presentations: Wednesday I (09:00 - 10:30)

time	[id] title	presenter
09:00	[8] GraphNeT results	ØRSØE, Rasmus
09:45	[9] PyG 2.0	FEY, Matthias

Presentations: Wednesday II (11:00 - 12:30)

time	[id] title	presenter
11:00	[10] Automatic hyperparameter optimization for Graph Neural Networks	HENNIG, Lukas
11:35	[11] Point-source search in IceCube, integration with GraphNeT	KONTRIMAS, Tomas
12:10	[19] Ideas for IceCube	PETERSEN, Troels

Thursday, 4 May 2023

Presentations: Friday I (10:00 - 10:30)

time	[id] title	presenter
10:00	[32] Roadmap towards v2.0 – mini-workshop introduction	SØGAARD, Andreas

Presentations: Friday II (11:00 - 12:30)

time	[id] title	presenter
11:00	[20] Roadmap towards v2.0 – mini-workshop	SØGAARD, Andreas
12:10	[21] Summary, next workshop, and goodbye	SØGAARD, Andreas