Artificial Intelligence Applied to Photon and Neutron Science

Tuesday, 12 November 2019

Afternoon 2: Chairman Dr. Tony Hey (16:00 - 18:30)

time	[id] title	presenter
16:00	[102] DOE's Center for Advanced Mathematics for Energy Research Applications (CAMERA): Artificial Intelligence, Machine Learning, and Experimental Facilities: Present and Future	Dr SETHIAN, Jamie
16:50	[42] Machine Learning at ILL	Dr MUTTI, Paolo
17:15	[43] Machine learning algorithms for image processing in CryoEM	Dr SORZANO, Carlos Oscar
17:40	[122] Machine learning and artificial intelligence in MX	Dr VOLLMAR, Melanie
18:05	[123] Convolutional neural networks for DESY photon science	Dr HEUSER , Philipp

Wednesday, 13 November 2019

Afternoon 2: Chairman Dr. Andy Gotz (16:00 - 18:05)

time	[id] title	presenter
16:00	[77] Machine Learning for accelerating understanding from Neutron Scattering Data	Dr GRANROTH, Garrett E.
16:25	[78] Machine Learning at Diamond Light Source: Past, Present and Future	Dr BASHAM, Mark
16:50	[79] Big Data Science Center at the Shanghai Synchrotron Radiation Facility - The first Superfacility Platform in China	Dr SEPE, Alessandro
17:15	[80] Deep learning for small angle scattering under grazing incidence	Dr GANEVA, Marina
17:40	[124] Towards automated analysis for neutron reflectivity	Dr MIRONOV, Daniil