

Artificial Intelligence Applied to Photon and Neutron Science

Wednesday, 13 November 2019

Morning 2: Chairman Dr. Paolo Mutti (11:00 - 12:40)

time	[id] title	presenter
11:00	[70] Data-driven Materials Discovery for Functional Applications	Prof. COLE, Jacqui
11:25	[71] Applications of Artificial Neural Networks in Electron Microscopy	Dr KOCH, Christoph
11:50	[72] Deep learning for classifying and sorting diffraction images	Dr ZIMMERMANN, Julian
12:15	[73] PyFitit: the software for quantitative analysis of XANES spectra using machine-learning algorithms	Dr GUDA, Alexander

Thursday, 14 November 2019

Morning 2: Chairman Dr. Miguel Gonzalez (11:00 - 11:50)

time	[id] title	presenter
11:00	[85] Machine learning accelerated analysis of materials data: The Smart facility	Prof. BUTLER, Keith
11:25	[103] Machine Learning for Spectroscopy: From Spectra to Atomic Structures	Dr RETEGAN, Marius