



# Artificial Intelligence Applied to Photon and Neutron Science

## Wednesday, November 13, 2019

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

time	[id] title	presenter
11:00	<del>A0</del> Data-driven Materials Discovery for Functional Applications	Prof. COLE, Jacqui
11:25	<del>A1</del> Applications of Artificial Neural Networks in Electron Microscopy	Dr KOCH, Christoph
11:50	<del>A2</del> Deep learning for classifying and sorting diffraction images	Dr ZIMMERMANN, Julian
12:15	<del>P1</del> PyFitit: the software for quantitative analysis of XANES spectra using machine-learning algorithms	Dr GUDA, Alexander

# Thursday, November 14, 2019

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

time	[id]	title	presenter
11:00	A06	Machine learning accelerated analysis of materials data: The Smart facility	Prof. BUTLER, Keith
11:25	A03	Machine Learning for Spectroscopy: From Spectra to Atomic Structures	Dr RETEGAN, Marius