



# Artificial Intelligence Applied to Photon and Neutron Science

## Tuesday, November 12, 2019

### Afternoon 1: Chairman Dr. Rudolf Dimper (1:40 PM - 3:40 PM)

time	[id] title	presenter
1:40 PM	[M25] Welcome from ESRF Director	Dr SETTE, Francesco
1:50 PM	[M26] Welcome from ILL Director	Prof. JOHNSON, Mark
2:00 PM	[M39] Introduction to Machine Learning and Deep Neural Networks for scattering science	Dr TRIGGS, Bill
2:50 PM	[M40] Improving data analysis using artificial intelligence: an ESRF perspective	Dr FAVRE-NICOLIN, Vincent
3:15 PM	[M41] Machine learning applications for Small Angle X-ray Scattering data collection and analysis at EMBL-Hamburg	Dr FRANKE, Daniel

# Wednesday, November 13, 2019

## Afternoon 1: Chairman Dr. Andy Gotz (2:00 PM - 3:40 PM)

time	[id] title	presenter
2:00 PM	[M4] Machine learning for an XFEL accelerator	Dr RATNER, Daniel
2:50 PM	[M5] Machine Learning at Argonne National Lab	Dr WILD, Stefan
3:15 PM	[M6] Scientific Machine Learning Benchmarks	Dr THIYAGALINGAM , Jeyan