



# Artificial Intelligence Applied to Photon and Neutron Science

## Wednesday, November 13, 2019

**Morning 1: Chairman Dr. Paolo Mutti (9:00 AM - 10:40 AM)**

time	[id] title	presenter
9:00 AM	[67] Biomedical image reconstruction: From the foundations to deep neural networks	Prof. UNSER, Michael
9:50 AM	[68] Machine Learning for improving image quality in tomography	Dr HENDRIKSEN, Allard
10:15 AM	[69] What does artificial intelligence see in 3D protein structures?	Dr GRUDININ, Sergei

# Thursday, November 14, 2019

## Morning 1: Chairman Dr. Miguel Gonzalez (9:00 AM - 10:40 AM)

time	[id] title	presenter
9:00 AM	[81] Deriving the big picture from huge spatial datasets: How to make a little training data go a long way	Prof. SALTZ, Joel
9:50 AM	[82] Deep Generative Models for detector simulation	Dr VALLECORSIA, Sofia
10:15 AM	[83] Deep learning for Synchrotron X-ray Imaging	Dr YANG, Xiaogang