

3rd International Workshop on Machine Learning and Quantum Computing Applications in Medicine and Physics

Wednesday 09 September 2026

Machine Learning in Medical Applications (09:00-10:10)

time	[id] title	presenter
09:00	[85] Diffusion Priors for Physics-Informed CT and PET Reconstruction	BOUSSE, Alexandre
09:40	[66] Run in seconds on your laptop: A lightweight model for CT segmentation of maxillary sinuses in children with chronic rhinosinusitis	OLBRATOWSKI, Przemysław

Machine Learning in Medical Applications (10:30-12:40)

time	[id] title	presenter
10:30	[90] Overview and current challenges of practical CT reconstruction	BIGURI, Ander
11:10	[64] A Fast and Generic Energy-Shifting Transformer for Hybrid Monte Carlo Radiotherapy Dose Calculation	Dr PHAM, Chi-Hieu BERT, Julien
11:40	[94] Machine Learning for Event-Level Background Rejection in LAFOV PET	OBARA, Michał
12:10	[75] Graph Neural Networks and Multi-Objective Optimization for Coded-Mask Prompt-Gamma Imaging within the SiFi-CC Collaboration	Mr CLEMENT, Philippe

Thursday 10 September 2026

Machine Learning in Medical Applications (09:00-10:40)

time	[id] title	presenter
09:00	[101] Rethinking the Scientific Workflow in the Age of LLMs: Evidence Synthesis for Medicine and Beyond	HOU, Yufang
09:40	[80] THE APPLICATION OF REINFORCED MACHINE LEARNING FOR CACHE MANAGEMENT IN HIGH-LOAD INFORMATION SYSTEMS	Dr VOLOKH, Bohdan
10:10	[110] Tomographic reconstruction from proton CT list-mode data using automatic differentiation	COUSSAT, Aurélien