

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



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From Medical to Industrial Imaging with IMPET

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Medical and industrial imaging have long influenced one another, from CT's migration into nondestructive testing to shared detector technologies. This talk explores that exchange through IMPET, a project developing AI-enhanced, quantum-informed multiphoton imaging for industrial applications such as opaque flow characterisation and 3D porous-media analysis. We present recent progress on positronium-based image reconstruction and simulation, alongside a brief look at our PEPT extension.

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