



A Metaverse of 'Medical Technology and AI' (MeTAI): Building Blocks and Use Cases in Medical Imaging

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Medical imaging leverages advanced technology to enhance disease diagnosis, treatment selection and patient monitoring. Innovations in artificial intelligence and computing have led to the development of a Medical Technology and AI metaverse (MeTAI), promising transformative improvements in medical practice. The readiness of these emerging tools for clinical use is assessed through Image Science, a framework for evaluating medical imaging systems, data quality and processing techniques. This framework supports the design, regulatory approval and clinical application of imaging systems, tracing an evolution from simple to complex systems while adapting to new challenges in image quality assessment.

**THURSDAY,
NOV. 21
4 PM**

MEMORIAL STUDENT CENTER,
BETHANCOURT BALLROOM, 2300C

Reception immediately to follow.

PLEASE RSVP
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