**INSTITUTE FOR ENGINEERING-DRIVEN MEDICINE WORKSHOP**

**Artificial intelligence, deep learning and machine learning in clinical and biomedical applications**

**Thursday, September 21, 2023**
**8:30am - 4:00pm**
**Hilton Garden Inn, Stony Brook**

**Open to all Stony Brook University, faculty & staff**
**To register, please use QR code by August 23rd,**
**spaces are filling up quickly ----- >**



Join us for an engaging workshop that will explore:

- Applications of artificial intelligence in clinical decision support, prediction of health system and emergency department demand, alerts such as sepsis prediction, health care quality analyses
- Generative artificial intelligence, deep learning and machine learning applied to biomedical imaging
- Architectures and approaches for multi-modal and multi-task learning – e.g. integrating electronic data, radiology, pathology, single-cell, RNA-seq, and molecular data
- Biomedical methods for, and applications of, large data analysis
- Biomedical image analysis and image reconstruction methods – super-resolution, removal of artifacts, imputation of high-resolution information from low-resolution datasources

This workshop will spur development of collaborative teams to tackle ambitious problems in biomedical science and engineering.

Questions? Please call 631-638-2590 or email IEDM_SBU@stonybrookmedicine.edu