

Table of contents

Monday 20 November 2023	1
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Joint ICTP-IAEA Workshop on Artificial Intelligence in Ionizing Radiation for Medical Physicists | (smr 3895)

Monday 20 November 2023

notitle - Kastler Lecture Hall (AGH) (09:00-17:00)

time	title	presenter
09:00	Welcome and introduction of participants	RENATO PADOVANI (ICTP, ITALY), OLIVERA CIRAJ-BJELAC (IAEA, AUSTRIA), EGOR TITOVICH (IAEA, AUSTRIA), MAURO CARRARA (IAEA, AUSTRIA)
09:45	Pre course test	
10:30	Coffee break	
11:00	Introduction to AI, historical background, vocabulary and definition of terms related to AI	JOHN DAMILAKIS
11:45	Roles and Responsibilities of Medical Physicists in AI-based Clinical Applications	ANDRE DEKKER
12:30	Lunch break	
13:30	Overview of radiation therapy procedures utilizing AI (or may potentially benefit from)	JACKIE WU
14:15	Overview of diagnostic radiology and nuclear medicine procedures utilizing AI (or may potentially benefit from)	JOHN DAMILAKIS
15:00	Coffee break	
15:30	Advanced statistical Methods: regression for predictive modelling and classification, co-variance, correlation, ROC analysis	SERAFINA DI GIOIA
16:15	Advanced statistical Methods: cont'd (+ Q and A)	SERAFINA DI GIOIA