

Medical Physicists Intermediate Level Training Monte Carlo for Calculation of Radiation Dose 2025/26

Organized by Institute of Advanced Allied Health Studies

Date:	26/9/2025 (Friday)
Time:	09:30 – 17:00 (Registration starts at 09:15)
Venue:	Rm G09, Block M, Kowloon Hospital
Objective:	To enhance knowledge in Monte Carlo technique and the use of EGSnrc software tool to model radiation transport.
Program Design:	Lecture + Workshop
Target Participant:	Medical Physicists with 7 years or more working experiences
Program Pre-requisite:	Simple knowledge of computer programming is preferable. Please bring a notebook PC with Windows Installed (preferable 10 or 11) and a small volume USB thumb drive.
Class capacity:	20
Language medium:	Cantonese supplemented with English
Award:	Certificate of attendance
Program requirement:	Participants should complete at least 80 % attendance of overall program
Speaker:	Dr. Joel CHEUNG

Remark: Late joiner after 30 minutes would not be allowed to join the training.

Rundown	Program content	Speaker
09:15 – 09:30	<i>Registration</i>	
09:30 – 10:20	Installation of EGSnrc and user codes compilation	Dr. Joel CHEUNG, PMH Phys (Oncology)
10:20 – 10:30	<i>Break</i>	
10:30 – 11:30	Introduction of Monte Carlo technique in Medical Physics	
11:30 – 12:30	Assignment #1: Attenuation Coefficient Calculation	
12:30 – 13:30	<i>Lunch</i>	
13:30 – 14:30	Assignment #2: Bremsstrahlung Photon Spectrum Calculation	
14:30 – 15:30	Assignment #3: Counting Numbers of Radiation Interactions	
15:30 – 16:30	Assignment #4: Percentage Depth Dose Curve Calculation	
16:30 – 17:00	Discussion and Q&A	
17:00 – 17:05	<i>Evaluation</i>	

Enrolment:

Please send the nomination form via Department Manager / in-charge to IAAHS by email (iaahs@ha.org.hk) quoting “*Program Announcement – Medical Physicists Intermediate Level Training in Monte Carlo for Calculation of Radiation Dose 2025/26 (Ref 049, 039)*” **on or before 29 Aug 2025 (Fri)**.

Enrolment result would **NOT** be notified individually, it should be checked before program commencement via HA IAAHS intranet https://hateams.home/knowledge/group/IAAHS/Program_AH/ or through e-Learning Centre http://elc.home/myelc/login_pop.aspx **on or after 12 Sep 2025 (Fri)**.

Important Notes:

- Participants are required to **strictly adhere** to the **Infection Control Measures for Training Activities** (see [link](#)) when attending the program (for both individual or group registration).

For enquiry, please contact Ms. Waterie YEUNG, Training Officer (AH) at 2300 7566 (program) or Ms. Ella YEUNG, CIII (HAA) at 2300 7714 (registration).

