

Day 2: 2nd October 2026

Module 2: Nuclear Simulation and Practical Analysis Workshop

	Speakers: Expert 1 – OAP, TINT Expert 2 – OAP, TINT Location: OAP, TINT Bangkok
9:00 - 9:10	– Pre-test (10 min)
9:10 - 10:30	Session 1: Nuclear Simulation – Reactor behavior experiments and demonstrations under normal, transient, and selected accident conditions (80 min)
10:30 - 10:45	Coffee break
10:45 - 12:00	– Use of basic nuclear reactor simulation tools (e.g., HotSpot, TRACE, PARCS) (75 min)
12:00 - 13:00	Lunch
13:00 - 14:10	Session 2: Workshop & Discussion – Interpretation of simulation results for power distribution, reactivity effects, and system response (70 min)
14:10 - 15:20	– Fundamentals of radiation safety, radiation detection, and dose assessment (70 min)
15:20 - 15:35	Coffee break
15:35 - 16:45	– Introduction to source term estimation and environmental dispersion modeling (educational safety context) (70 min)
16:45 - 17:00	– Post-test (15 min)