



Workshop for radiation metrologists on calibration of dosimeters used for X-ray 1st-3rd September 2025, EEAE, Athens Greece

DAY 1			DAY 2			DAY 3		
09:00 - 09:15	Registration (9:00-9:15)		Wrap-up of last day	all		Wrap-up of last day	all	09:00 - 09:15
09:15 - 09:30	Welcome & Opening	EK	XMMs measurement quantities - definition and standards for calibration	MZ		System of Intercomparison CMC and Interlaboratory comparisons	AS	09:15 - 09:30
09:30 - 09:45	Introduction: EEAE	PF	Results of WP2	AC		Primary standards and calibrations	LP/BJ	09:30 - 09:45
09:45 - 10:00	Scope of TraMeXI	PT	Type Testing. Dosimeter tests for air kerma and for other quantities	NK		WP4 lessons learned	LP/BJ	09:45 - 10:00
10:00 - 10:15	Introduction of lecturers	L	Performance of XMMs in standard and non-standard conditions	NK IK		HVL Measurements by dosimetry Group 1	MZ NK SS	10:00 - 10:15
10:15 - 10:30	Standardization landscape	SP/ PT				Uncertainty calculation (laptop) Group 2		10:15 - 10:30
10:30 - 10:45	ISO & IEC (IEC 61267, TRS457, AND OTHERS)					Coffe Break for Group 3		10:30 - 10:45
10:45 - 11:00	Coffee Break		Coffee Break			HVL Measurements by dosimetry Group 2		10:45 - 11:00
11:00 - 11:15						Uncertainty calculation (laptop) Group 3		11:00 - 11:15
11:15 - 11:30	Setting up Reference Fields	ER	Performing Calibrations	NK		Coffe Break for Group 1		11:15 - 11:30
11:30 - 11:45	X-ray units	ER	Uncertainties in Measurements	MZ		HVL Measurements by dosimetry Group 3		11:30 - 11:45
11:45 - 12:00	Establishing the radiation qualities (RQR, RQT, RQR-M)		Theoretical concepts			Uncertainty calculation (laptop) Group 1		11:45 - 12:00
12:00 - 12:15	Ionization chambers (ICs) and X-ray multimeters (XMMs)	SP	HVL measurement	SS		Coffe Break for Group 2		12:00 - 12:15
12:15 - 12:30	"Ice Braker" Introductions by participants	P	Uncertainty of HVL calibration			X-ray Spectrometry	LP/BJ	12:15 - 12:30
12:30 - 12:45						X-ray Spectrometry Demonstration	AC	12:30 - 12:45
12:45 - 13:00	Lunch		Lunch					12:45 - 13:00
13:00 - 13:15								13:00 - 13:15
13:15 - 13:30	Visit to the calibration laboratory in groups of 10		Team Photo Before the Afternoon Lectures			Lunch		13:15 - 13:30
13:30 - 13:45								13:30 - 13:45
13:45 - 14:00	Field homogeneity and collimation	PT	Stakeholder presentation: XMM results	RG		X-ray Spectrometry Demonstration	AC	13:45 - 14:00
14:00 - 14:15	WP1 Results	SP	Calibration of XXM in all qualities Group 1	AB	Discussion Coffee Break for Groups 2 and 3	X-ray Spectrometry	LP/BJ	14:00 - 14:15
14:15 - 14:30	New qualities for calibration for diagnostic radiology	SP				Round Table - Discussion with Lecturers	All	14:15 - 14:30
14:30 - 14:45	Discussion Coffee Break for Groups 2 and 3		Calibration of XXM in all qualities Group 2		Discussion Coffee Break for Groups 1 and 3			14:30 - 14:45
14:45 - 15:00	Setting up Reference Fields Group 1 Training	AB				Feedback form	All	14:45 - 15:00
15:00 - 15:15	Discussion Coffee Break for Groups 1 and 3		Calibration of XXM in all qualities Group 3	JV	Discussion Coffee Break for Groups 2 and 2			15:00 - 15:15
15:15 - 15:30	Setting up Reference Fields Group 2 Training					Coffee Break		15:15 - 15:30
15:30 - 15:45	Discussion Coffee Break for Groups 1 and 2							15:30 - 15:45
15:45 - 16:00	Setting up Reference Fields Group 3 Training	JV				Conclusions & Closure	All	15:45 - 16:00
16:00 - 16:15	Round Table - Discussion with Lecturers	All	Round Table - Discussion with Lecturers	All				16:00 - 16:15
16:15 - 16:30								16:15 - 16:30

Lecturers:	
AC Alessia Ciccotelli	
MZ Milos Zivanovic	
SP Stefan Pojtinger	
AS Amra Sabeta	
LP Leon de Prez	
SS Siarhei Saroka	
NK Nikola Krzanovic	
PT Paula Toroi	
ER Erinc Reyhanioglu	
BJ Bartel Jansen	
RG Ryan Gardner	
Practical:	
AB Argiro Boziari	
JV Jelena Vlahovic	

EEAE:	
EK Efthymios Karabetsos	
PF Panagiota Founta	

Training Sessions: will be done in small groups of max 10 people

Temple-hopping and Sun-chasing in Sounio
Dinner 19:30 Aegeon Beach Hotel