



Current and Future Applications of Mass Spectrometry in Radionuclide Metrology

CCRI(II) Task Group on Mass Spectrometry Workshop

16 May 2025

National Physical Laboratory, Teddington

Agenda

Time	Title	Organisation
09:00 – 09:30 Registration, tea and coffee		
Environmental Radioactivity Chair: Dirk Arnold (PTB)		
09:30 – 09:45	Introduction and overview of the CCRI(II) mass spectrometry task group	JT Jansen and Lisa Karam NPL and NIST
09:45 – 10:15	Environmental Radioactivity measurement using AMS and RIMS	Karin Hain and Raphael Hasse University of Vienna and University of Mainz
10:15 – 11:00	Discussion	All
11:00 – 11:30 Break and posters		
Emergency Response Chair: Jacqueline Mann (NIST)		
11:30 – 12:00	Actinide Analysis at AWE	Matthew Higginson Atomic Weapons Establishment
12:00 – 12:45	Discussion	All
12:45 – 14:00 Lunch and posters		
Decommissioning and Waste Management Chair: Ben Russell (NPL)		
14:00 – 14:30	The evolving role of mass spectrometry in decommissioning and waste management	Phil Warwick and Ben Russell GAU Radioanalytical and NPL
14:30 – 15:15	Discussion	All
15:15 – 15:45 Break and posters		
Metrology Chair: Madeleine Bodine (NIST)		
15:45 – 16:15	The role of mass spectrometry in radionuclide metrology	Amy Gaffney Lawrence Livermore National Laboratory
16:15 – 17:00	Discussion	All