

RRMC SCHEDULE DETAIL:**Current as of October 30, 2023****May be Revised****Sunday, October 29, 2023**

Time	Activity	Location
1:00 – 4:00	ASTM Subcommittee D19.04 – Methods for Radiochemical Analysis in Water and Other Environmental Matrices	Sapodilla Room
4:00 – 5:00	IEEE N42.22 and N42.23 Meeting	Sapodilla Room
1:00 – 6:00	Vendor Setup	Coral AB
4:00 – 6:00	Conference Registration	Coral Foyer

Monday, October 30, 2023

Time	Activity	Location
7:30 – 9:00	Conference Registration	Coral Foyer
7:00 – 2:00	Vendor Setup	Coral AB
2:00 – 7:00	Vendor Exhibits	Coral AB
5:30 – 7:00	Vendor Reception	Coral AB

Technical Session Chairs	
Session A	Jez Inglis & Anil Thakkar
Session B	Jon Button & Donovan Porterfield

General Session			
Time	Presenter	Presentation Title	Location
08:00	David Burns	Welcome	Coral C-E
08:10	Julia Ignacek	Keynote: Technology Transfer: Unraveling the Complexities	
09:00	Robert Jones	Integrated Consortium of Laboratory Networks (ICLN), Radiological Laboratory Subgroup (RLS) Gamma Spec Survey Results	
09:20	Masako Ohno	Application of Rapid In-Vitro Bioassay for Determining Internal Contamination of Radiation Workers - To Prepare for Decommissioning in Fukushima Daiichi NPPS	
09:40	Morning Break		Coral Foyer
10:00	Allison A. Price	Improvements in Am Separation Chemistry for ²⁴¹ Pu- ²⁴¹ Am Dating of Environmental Samples	Coral C-E
10:20	Hiromu Kurosaki	Development of Routine Bioassay Procedure for Ra in Urine	
10:40	Bailey Christensen	Neutron Source Classification using Convolutional Neural Network-based Acoustic Analysis of Cavitation Shock Traces from Centrifugally Tensioned Metastable Fluid Detectors	
11:00	Carrie Coralie	Quantification of ¹²⁹ I in Milk at Low-Level for Environmental Monitoring	
11:30	Lunch		On Your Own
1:00	Workshop #1	DEPARTMENT OF ENERGY LABORATORY ACCREDITATION PROGRAM (DOELAP) AND THE DOE MIXED-ANALYTE PERFORMANCE EVALUATION PROGRAM (MAPEP) COMBINED WORKSHOP (Steve Bohrer/Shane Steidley)	Coral C
1:00	Workshop #2	Hidex/LabLogic Workshop	Coral D
3:00	Afternoon Break		Coral Foyer
3:15	Workshop #3	WORKSHOP ON ISOTOPE DILUTION MASS SPECTROMETRY FOR BIOASSAY AND NUCLEAR FORENSICS (Jeremy Inglis)	Coral C
3:15	Workshop #4	THE DATA ANALYST – A TOOL FOR CONTINUOUS REPEATING GAMMA SPECTRAL ASSAYS OR REMOTELY TRIGGERED ASSAYS, AND HOW IT CAN BE USED FOR ROUTINE – Mirion Technologies (Frazier Bronson)	Coral D
5:00	End of Workshops		
5:30	Vendor Reception in the Exhibit Area		Coral AB

Tuesday, October 31, 2023

Time	Activity	Location
7:30 – 9:00	Conference Registration	Coral Foyer
9:00 – 5:00	Vendor Exhibits	Coral AB
12:00 – 3:00	Poster Setup	Coral Foyer
3:00 – 5:00	Poster Session	Coral Foyer
5:30 – 7:00	Mirion Reception	Manor
8:00 – 9:30 PM	ASTM: Introduction to ASTM and Subcommittee D19.04, Methods for Radiochemical Analysis in Water and Other Environmental Matrices	Sapodilla

Technical Session Chairs	
Session A	Dustin May & Guy Backstrom
Session B	Steve Bohrer & Dan McAlister

General Session			
Time	Presenter	Presentation Title	Location
08:00	Nathan Caldwell	Keynote: X-Energy Overview & Development of the Xe-100 Burn Up Measurement System	Coral C-E
09:00	Azza Habibi	Determination of Neptunium-237 in Radioactive Waste with a High Level of Uranium by ICP-MS/MS	
09:20	Frazier Bronson	Tools for Evaluating Groups of Gamma Spectra	
09:40	Morning Break		Coral Foyer
10:00	Dustin May	Expanding Radiochemistry Capacity Through Partnerships: Establishing a Radiochemistry Training in Collaboration Between Academia and Public Health	Coral C-E
10:20	Patrick Hendrickson	UAV-Based Gamma Surveys for NORM Applications	
10:40	Dominic Larivière	Comparison of Radium-226 Separation Methods Based on Chromatographic and Extraction Resins for its Determination by ICP-MS in Natural Waters	
11:00	Jonathan Button	Enhancing Emergency Radiobioassay Capacity: Validating the Urine Radionuclide Screen and Refining Sample Analysis Prioritization	
11:30	Lunch		On Your Own
1:00	Workshop #5	Surveying Techniques for NORM Applications (E. Taskaev, D. Porterfield)	Coral C
1:00	Workshop #6	ORTEC TECHNICAL WORKSHOP PART I: Key Elements of Gamma Spectroscopy Libraries and Overview of Energy and Efficiency Calibrations in GammaVision (Craig Maddigan) PART II: TRACY Selection Tool / Functional Overview and Discussion w/ Q&A (Mike Clemmer)	Coral D
3:00	Afternoon Break		Coral Foyer
3:00 – 5:00	Poster Session: See below for Poster Details		Coral Foyer
3:15	Workshop #7	INTERNAL DOSIMETRY (Cheryl Antonio)	Coral C
3:15	Workshop #8	TRACKING SAMPLES FROM COLLECTION THROUGH DISPOSAL – Mirion Technologies (Lee Reagen)	Coral D
5:00	End of Workshops		
5:30	Mirion Reception		Manor
8:00	ASTM: D19.04 Introduction to ASTM and Subcommittee D19.04		Sapodilla

Wednesday, November 1, 2023

Time	Activity	Location
9:00 – 2:00	Vendor Exhibits	Coral AB
11:30 – 1:00	Box Lunches Provided in Exhibit Area	Coral AB
2:00 – 6:00	Vendor Teardown	Coral AB
2:00 – 4:00	Poster Session	Coral Foyer
7:00 – 9:00	Student Night Out	TBD

	Technical Session Chairs
Session A	Mark Jones & Dominic Lariviere
Session B	Jack Burn & Jeff Raimondi

General Session			
Time	Presenter	Presentation Title	Location
08:00	Ralf Sudowe	Keynote: The Radiochemistry Workforce Challenge: How did we end up here and what can we do about it?	Coral C-E
09:00	David DiPrete	Ra-226 Analyses on Savannah River Site Radioactive Waste Matrices	
09:20	Guy Backstrom	If You Can't Beat 'em, Join 'em	
09:40	Morning Break		Coral Foyer
10:00	Henrik Persson	Statistical Review of the Performance of a Large Set of Detector Models Used for Efficiency Calibration in Gamma Spectrometry	Coral C-E
10:20	Dylan Flanagan	Current and Emerging Counting Capabilities within C-NR	
10:40	Guy Backstrom	There's Niobium in them thar hills	
11:00	Charles M. Folden III	Nuclear Forensic Analysis of Manhattan Project Plutonium	
11:20	David DiPrete	Applications of Liquid Scintillation Counting on Savannah River Site High Activity Matrices	
11:40	Lunch	Box Lunch provided in Exhibit Area	Coral AB
1:00	Workshop #9	2023 EICHROM WORKSHOP/USER'S GROUP MEETING (McAlister)	Coral C
1:00	Workshop #10	PRIMER FOR MATHEMATICAL EFFICIENCY CALIBRATIONS USING ISOCS / LABSOCS FOR GAMMA SPECTROSCOPY APPLICATIONS – Mirion Technologies (Kara Phillips)	Coral D
2:00 – 4:00	Poster Session	See below for Poster Session Details	Coral Foyer
3:00	Afternoon Break		Coral Foyer
3:15	Workshop #11	2023 EICHROM WORKSHOP/USER'S GROUP MEETING (McAlister) continued	Coral C
3:15	Workshop #12	INTEGRATED CONSORTIUM OF LABORATORY NETWORKS (ICLN) RADIOLOGICAL LABORATORY SUBGROUP (RLS) WORKSHOP (Robert Jones, Jon Button, Shane Knockemus)	Coral D
5:00	End of Workshops		
7:00	Student Night Out		TBD

Thursday, November 2, 2023

Time	Activity	Location
10:00 – 12:00	Poster Removal	Coral Foyer
11:30 – 1:00	Lunch/Business Meeting	Coral C-E
6:00 – 9:00	Conference Awards and Dinner	Event Lawn

	Technical Session Chairs
Session A	Dave DiPrete & Ralf Sudowe
Session B	Hirono Kurosaki & Ingrid Lehman-Andino

General Session			
Time	Presenter	Presentation Title	Location
08:00	Tad Whiteside	Non-Destructive Assay Systems Deployed at the Savannah River Site	Coral C-E
08:20	Nathalie Wall	Organoclays for the sequestration of technetium and iodine	
08:40	Beatrice Boulet	Improved analysis of ⁹⁹ Tc in environmental solid matrices in response to an emergency situation.	
09:00	Caleb J. Mortensen	Determination of Per technetate and Non-Per technetate Species in Hanford Waste Tank	
09:20	Robert Jones	Integrated Consortium of Laboratory Networks (ICLN), Radiological Laboratory Subgroup (RLS) Rad Lab Hub	
9:40	Morning Break		Coral Foyer
10:00	Guy Backstrom	Technique Used for the Total Dissolution of a 100 gram Soil Sample	Coral C-E
10:20	Mike Schultz	Pb-212 Alpha Particle Therapy for Cancer: Exciting Progress and Radioanalytical Challenges (Zoom Presentation)	
10:40	Ken Inn	Metrological Basis for Legal Defensibility of Scientific Measurements	
11:00	General Announcements		
11:30	Lunch/Business Meeting		Coral C-E
1:00	Workshop #13 Part 1	FUTURE CHALLENGES FOR ANALYTICAL AND RADIOANALYTICAL CHEMISTRY – SOLUTIONS (Ken Inn)	Coral C-E
3:00	Afternoon Break		Coral Foyer
3:15	Workshop #13 Part 2	FUTURE CHALLENGES FOR ANALYTICAL AND RADIOANALYTICAL CHEMISTRY – SOLUTIONS (Ken Inn) Continued	Coral C-E
5:00	End of Workshops		
6:00 – 9:00	Conference Awards and Dinner Keynote - Nathalie Wall: The Consortium for Nuclear Forensics		Event Lawn

Friday, November 3, 2023

	Technical Session Chairs
Session A	Doug Van Cleef & Evgeny Taskaev
Session B	Larry Jassin & Craig Maddigan

General Session			
Time	Presenter	Presentation Title	Location
08:00	Ingrid Lehman-Andino	Strategies for actinide (An) and cesium (Cs) removal from alkaline high-level waste.	Coral C-E
08:20	Mark A. Jones	Applications of Alternate Actinide Calibration on Inductively Coupled Plasma Mass Spectrometry (ICP-MS) Analysis of H-Canyon Highly Enriched Uranium Legacy Material at the Savannah River Site (SRS)	
08:40	Hugo Jaegler	New insights into analysis of ultra-low $^{236}\text{U}/^{238}\text{U}$ isotope ratio by ICP-MS/MS	
09:00	Guosheng Yang	^{90}Sr bioassay in small-volume urine by ICP-MS/MS with CO_2 as the reaction gas in rapid response to radiological emergencies	
09:20	Marisa Alfonso	Novel Applications of Eckert & Ziegler Analytics Custom Produced Sources	
09:40	Morning Break		Coral Foyer
10:00	Andrew A. Reinhard	Application of ATONA Amplifiers to Uranium Isotopic Analyses by Thermal Ionization Mass Spectroscopy	Coral C-E
10:20	David L. Cook	A New Anion Exchange Protocol for the Separation of Uranium from Environmental Samples	
10:40	Adam Judy	Non-Destructive Assays of Various Geometries for SRNL Mk-18 Program	
11:00	Closing Remarks		
11:30	End of Conference		

POSTER SESSIONS**Tuesday, October 31, 15:00 – 17:00****Wednesday, November 1, 14:00 – 16:00**

#	Presenter	Presentation Title
1	Olga Piraner, Karlee Eardley, and Jon Button	Alpha and Beta Spillover in Liquid Scintillation Counting Analysis of Urine Samples
2	Ge Xiao, Jonathan Button, Cynthia Ward, and Liza Valentin-Blasini	Rapid Determination of Np-237 in Urine by Simple Dilution Using Triple Quadrupole Inductively Coupled Plasma Mass Spectrometry (ICP-QQQ-MS)
3	Matthew I. Warne, et al	Curium/Californium Separation for Cm-242 Determination
4	Kyung-Min Lee	Investigation and Assessment of Natural Radioactivity in Commercial Animal Feeds in Texas
5	William Stephenson	Determination of Sr-90 in Freshwater Fish Near the Fukushima Daiichi Nuclear Power Plant
6	Ji-young Park	Rapid Method for Actinides in Seawater using Actinide Resin
7	Raissa Chunko	The Influence of Trace Metals in Asphalt on Plutonium Uptake on Extraction Chromatography Resins
8	Donivan Porterfield	Development of Teva Resin Extraction Chromatography Separation for Np Determination in Pu Materials using Gamma Spectrometry
9	Alejandra Hernandez- Jimenez	Comparing the Accuracy and Efficiency of Different Fitting Routines for Alpha Spectrometry
10	Jung Seok Chae	Determination of Rn-222 and Ra-226 in Water Using Liquid Scintillation Counter
11	Han Chang	Evaluation of Practical Sealing Methods for Preventing Rn-222 Leakage in Gamma-Ray Spectrometry
12	Dominic Larivière	Toward the Development of a Cloud Point Extraction System for Cesium
13	Annelise Cardon, et al	Improvements to Plutonium Separation Chemistry for In Vitro Bioassay at LANL
14	Annelise Cardon, et al	Traced-Only Uranium Analysis for In Vitro Bioassay at LANL