

## Session Program

Feb 15 - 19, 2026

ISOTOPIC TIME MACHINE  
FROM CULTURAL HERITAGE  
TO SUSTAINABLE FUTURE



# 12th International Conference on Isotopes - 12ICI

## 6. Security, Safety and Quality Assurance - Tue\_S1\_D

Grand Hotel Mediterraneo  
Lungarno del Tempio, 44 - 50121, Firenze

## Tue, February 17

11:02 AM

### 6. Security, Safety and Quality Assurance - Tue\_S1\_D

**Session** | **Location:** Grand Hotel Mediterraneo, Pacifico Room | **Conveners:**  
Mariagabriella Pugliese, Clemens Walther

11:02 - 11:22 AM

#### **NOVEL MICROWAVE DISSOLUTION METHODS FOR NUCLEAR FORENSICS APPLICATIONS**

**Speaker**

Jack Burgoyne

11:22 - 11:42 AM

#### **PARTICLE SIZE CHARACTERIZATION OF 238-PuO<sub>2</sub> PARTICLES VIA AUTORADIOGRAPHY AND SCANNING ELECTRON MICROSCOPY AUTOMATED PARTICLE ANALYSIS FOR INCIDENT RESPONSE**

**Speaker**

Kimberly Wurth

11:44 AM - 12:04 PM

#### **ANALYSIS OF SMALL SAMPLES OF SPENT NUCLEAR MATERIALS FOR INTERPRETING REACTOR OPERATING HISTORY**

**Speaker**

Brett Isselhardt

12:04 - 12:19 PM

#### **VALIDATION OF A FAST METHOD FOR DETERMINATION OF AM-241 IN NASAL MUCUS SAMPLES USING HIGH RESOLUTION GAMMA SPECTROMETRY**

**Speaker**

Michele Galletta

12:19 - 12:34 PM

#### **RAPID COLUMN-BASED SEPARATION OF KEY ACTINIDE AND FISSION PRODUCTS OF URANIUM FOR NUCLEAR FORENSIC ANALYSIS**

**Speaker**

Emily Paige Abel

12:34 - 12:48 PM

#### **SHORT-LIVED RADIONUCLIDES FOR INCORPORATION INTO RADIOLOGICAL RESPONSE AND NUCLEAR FORENSIC TRAINING MATERIALS**

**Speaker**

JUSTIN COOPER

12:48 - 1:02 PM

#### **UTEVA/DGA RESIN STACK FOR THE SEPARATION OF BOTH SHORT- AND LONG-LIVED ACTINIDES**

**Speaker**

Staci Herman

1:02 PM