

SCIENTIFIC Workshops

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MARK YOUR CALENDAR

FBI EXPLOSIVES RESEARCH AND ANALYSIS WEBINAR (E-RAW)



Sponsored by the Scientific Workshops

For the first time in its history, the FBI will be providing a two-day explosives focused Webinar. FBI talks previously scheduled for the cancelled 2020 ISADE will now be presented for the entire community. Focus areas of talks will remain the analysis and detection of explosives, with threat characterization incorporated as well. Day 1 will stress more operational research and concerns, with Day 2 delving more into instrumental analysis and bench chemistry. All are welcome to attend both unclassified sessions. Please save the date on your calendars and we look forward to sharing our research with all of you.

FBI Explosives Research and Analysis Webinar

Day 1 (April 14th 11:00 to 14:30 EST)

Threat Analysis and Chemical Characterization

Conference Overview: 10 minutes (Rich Lareau)

Over the Rainbow: Threat Horizons - 30 minutes (Kirk Yeager)

Global Explosive Threats - TEDAC 30 minutes (Marsh/Guerrera)

Discussion of Explosives Colorimetric Detection Kits - 30 minutes (Julie Schultz)

Break 15 minutes

Silver Fulminate: Synthesis, Harvesting and Testing - 30 minutes (Andy Edwards)

Attribution of Explosives and Explosive Precursors - 45 minutes (Carl Yamnitz)

Closing Comments - 10 minutes (Lareau/Yeager)

Day 2 (April 15th 11:00 to 14:30 EST)

Chemical Analysis and Characterization

Introduction Day 2: 10 minutes (Rich Lareau)

Characterization and differentiation of aluminum (Al) powders using automated particle micromorphometry and statistical scoring rules - 30 minutes (JoAnn Buscaglia)

Characterization of aluminum powders using morphology and microanalysis - 30 minutes (JenaMarie Baldaino)

Forensic discrimination of aluminum sources in IEDs using quantitative trace elemental analysis – 20 minutes (Anjali Bhandari)

Break 15 minutes

A Validated Method for the Analysis of Sugars and Sugar Alcohols Via Liquid Chromatography Mass Spectrometry (LC-MS) - 30 minutes (Chris Tipple)

Combined Extraction for Analysis of Inorganic, Organic, and Peroxide Explosives Residues – 25 minutes (Kristen Fowble)

Method development for the trace analysis of primary explosives – 25 min (Mark Miller)

Closing Comments: 10 minutes (Lareau/Yeager)