

OnSite 2011 Conference

for Homeland Security, Forensics
and Environmental Remediation

Jan. 18-21, 2011

Baltimore Marriott Waterfront, Baltimore, MD, USA

www.ifpac.com/OnSite

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OnSite 2011: A Scientific and Technological Overview

On-Site, at-scene, and any type of point-of-care analysis or monitoring, requires a multi-disciplinary approach to the wide array of application area challenges. If you are interested in:

- ✓ determining the status of state-of-the-art analytical response capabilities,
- ✓ having discussions with other researchers in these significant program areas,
- ✓ simply wanting to establish collaborations and contacts in these active areas of research,

then this conference will be for you!

On-Site, where the lab goes to the field, is one of the most exciting and important analytical venues that addresses:

- ✓ hazardous threats requiring immediate attention,
- ✓ time-critical chemical and biological situations,
- ✓ miniaturization and development of accurate and reliable instrumentation, and
- ✓ design strategies for effective use of analytical resources.

Knowledge of the continued evolution of fieldable instrumentation, techniques, and standards for field analysis is of paramount importance for out-of-laboratory practitioners.

At On-Site 2011 you will have the opportunity to meet with colleagues working in these highly visible research areas, program managers directing R&D in both government and commercial sectors, instrument manufacturers, and other decision

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Plenary Sessions Key-Note and Poster Presentations Instrument Exhibition

Abstracts for Presentations and Posters due by November 3rd

Anticipated OnSite 2011 Symposia Sessions

Several oral sessions have been planned for the conference with a concurrent poster session. While these sessions can be broken down into more specific topical areas, the intent is to combine similar presentations into one session so that conference participants could easily attend presentations most interesting to them.

Instrument Miniaturization and Micro-Fluidics: Where is the state-of-the-art for field instrumentation and micro-fluidics? These questions and the issues which surround them will be discussed.

Phil Smith and Jayne Morrow

Threat Agent Detection:

Rabih Jabbour and Pete Snyder

Applications of Forensic Analysis in the Field: How do we effectively use a canine model for developing adequate field analytical systems? This symposium will seek to answer questions similar to this with an emphasis on new developments in field samplers for application areas such as trace volatile organic chemicals (VOCs) for detection of IEDs, humans (living and deceased), CWAs, and narcotics.

Milt Statheropoulos and Brian Eckenrode

Biosensors and Biodetection: This session will focus on new capabilities for currently used biosensors and emerging biosensor technologies in the detection and identification of biological threats. The latest developments in sample collection, sample preparation, and analytical methods for biodetection in the field and laboratory will be discussed.

Sanjiv Shah

Sampling and Detector Integration for CBRNE: Guidance for integrating CBRNE chemical screening capabilities with biothreat detection will be a focus of this session. In addition, ideas relating to detector standardization and reliability across the CBRNE platform will be discussed. First responders and companies active in this area have been invited.

Jayne Morrow

Pharmacology and Toxicology: A focus of this session will be on Toxicology for the 21st Century, and will include inhalation dosage methodology, alternatives to animal testing (in-vitro), the use of stem cells in pharmacology and toxicology, and high throughput screening.

Harry Salem

Regulatory Policies and Environmental:

Mark Stauffer

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Deadline for abstract submission:

November 3rd, 2010

Instrument Exhibition

There will be multiple chances to interact with vendors who offer equipment/instrumentation for the analysis of materials in the field. A special vendor session will be held in which several vendors will be afforded the opportunity to present a brief overview of their instrumentation while illustrating the actual hardware. In addition, a vendor exposition will follow in which vendors will have their equipment displayed in a booth and will be available for discussions.

Several vendors are expected to participate. Please contact Phil or Monica and lock-in your opportunity to tell us all how your company is advancing the field!

Phil Smith psmith@usuhs.mil
Monica Heyl monicahey1@gmail.com

OnSite 2011 Poster Session

OnSite 2011 will also be providing a poster session, to be held concurrently with the vendor exposition. This allows for the free exchange of ideas among colleagues performing field analysis.

For example, posters are expected for each of the session subject areas.

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