



## Benchmarking: Uniting Our Knowledge

### General & Concurrent Session Presentation Proposal Form

#### Title of Proposed Presentation

Lessons Learned from Novel Technology Development for Remote & In-Person Tabletop Exercises

#### Relevance to this year's Theme: *Benchmarking: Uniting Our Knowledge*

We will present lessons learned from global implementation of TTX technologies developed by Sandia's Center for Global Security Cooperation and share how they can contribute new strategies for success in multi-agency preparedness activities.

#### Select Applicable Topic Area(s)

- |   |   |
|---|---|
| <input type="checkbox"/> Emergency Response                                       | <input type="checkbox"/> Benchmarking, Standards & Indicators         |
| <input checked="" type="checkbox"/> Interagency Emergency Planning                | <input checked="" type="checkbox"/> Readiness Assurance & Assessments |
| <input checked="" type="checkbox"/> Facility Preparedness Programs                | <input checked="" type="checkbox"/> Training & Drills                 |
| <input type="checkbox"/> Emergency Facilities, Equipment, Systems & or Technology | <input type="checkbox"/> Emergency Public Information                 |
|   | <input type="checkbox"/> Other: Please Specify                        |

#### Presentation Abstract [No more than 100 words, please]

Emergency preparedness requires efficient coordination among agencies. Sandia's Center for Global Security and Cooperation has developed novel approaches to improve evaluation of multi-party coordination through tabletop exercises. The Portal for Readiness Exercises and Planning (PREP™) provides online capabilities for coordination-focused CBRNE exercises. Scribe3D is used to visually record and play back simulated videos of scenarios developed during a tabletop exercise. The tools offered by Scribe3D can help open discussions, capture results, and visualize consequences. Through assessing lessons learned internationally, PREP™ and Scribe3D provide unique applications available as new strategies for use by DOE in tabletop exercise design and execution.

#### Presentation Needs or Considerations

Please describe any special environment and or methodology that would enhance your presentation. For example: *Bring Your Own Laptop (BYOL) workshop, panel discussion, small classroom setting, etc.*

We can provide a demonstration during the talk if participants bring their own laptops.



## 2018 EMI SIG Annual Meeting Benchmarking: Uniting Our Knowledge

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#### Primary Coordinating Presenter (PCP) Contact Information

Name: Sandy Sanzero, PhD  
Title: Manager  
Organization: International Biological & Chemical Threat Reduction, Sandia National Labs  
Mailing Address: PO Box 5800  
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**PCP biography (75-100 words)** to be used by our EMI SIG Facilitators and Moderators for introductory purposes during the Annual Meeting and to promote your presentation in our EMI SIG Mobile App/SharePoint. Your bio should include:

- Current position and a brief mention of your work history, prior presentations/and or expertise you have with your proposed topic and our Emergency Management audience
- Academic qualifications, credentials, certifications, achievements, awards, and a reference to published work, but only if applicable to the material you are presenting

#### George Sanzero

Sanzero is currently Manager of International Biological & Chemical Threat Reduction (Analysis & Health Security), Sandia National Laboratories. He has been involved with the creation and development of systems solutions for a variety of customers for Sandia National Laboratories, PPG Industries, Celanese, General Dynamics, and Lockheed Martin. Dr. Sanzero has taught graduate level competitive intelligence and innovative product management courses at the United States Naval Postgraduate School, Texas Christian University, and FUCAPI in Manaus, Brazil. Dr. Sanzero received his M.S. in Physical Organic Chemistry from the University of Tennessee and his Ph.D. in Polymer Chemistry and Engineering from Emory University.

#### Co-Presenter #1

Name: Todd Noel  
Title: Software developer  
Organization: International Nuclear Security Engineering, Sandia National Laboratories  
Mailing Address: PO Box 5800  
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**Co-Presenter #1 biography (75-100 words)** to be used by our EMI SIG Facilitators and Moderators for introductory purposes during the Annual Meeting and to promote your presentation in our EMI SIG Mobile App/SharePoint. Your bio should include:

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Todd Noel

Todd Noel is a Software Engineer for Sandia National Laboratories; International Nuclear Security Engineering group (INSE). Todd's creates virtual training tools to help mitigate threats from the nuclear, biological, and chemical spheres. He designs tabletop technologies including developing a 3D tabletop recorder for protection of facilities and a decision-based tabletop recording tool. He is also the lead developer on a video-game based multiplayer, decision-based exercise for biothreat preparedness. Todd is a full-stack developer, able to create every aspect of an application, from the database to the API to the user interface—as well as augmented and virtual reality.

#### **If applicable, Co-Presenter #2**

Name: Carrie McNeil DVM MPH

Title: Principle Project Lead

Organization: International Biological & Chemical Threat Reduction, Sandia National Labs

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**Co-Presenter #2 biography (75-100 words)** to be used by our EMI SIG Facilitators and Moderators for introductory purposes during the Annual Meeting and to promote your presentation in our EMI SIG Mobile App/SharePoint. Your bio should include:

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Carrie McNeil

McNeil is technical lead for biothreat readiness exercises in IBCTR. She brings expertise in infectious diseases, outbreak response, emergency management to IBCTR programs internationally. Prior to Sandia, she served as an Epidemic Intelligence Service Officer for the U.S. CDC, an emergency response planner at CDC and a veterinary responder with ASPR. In addition to her experience in emergency management, she has completed extensive trainings and preparedness exercises including Homeland Security National Planner's Course; Homeland Security Exercise and Evaluation Program and the first week of MEPP. She completed her MPH with honors, Emory University in 2012; DVM at UC Davis in 2004.



Submit this completed **General & Concurrent Session Presentation Proposal Form** to

[jennifer.hutchins@nnsa.doe.gov](mailto:jennifer.hutchins@nnsa.doe.gov)

by **Monday, January 22, 2018**