



# AMERICAN SOCIETY OF SAFETY PROFESSIONALS

**NJ ASSP Fall Professional Development Conference – Emerging Trends  
October 10, 2018  
Beaverbrook Country Club, Annandale, NJ**

## AGENDA

<b>7:00 – 8:00 AM</b>	<b>Vendor Set Up</b>
<b>7:30 - 8:30 AM</b>	<b>Continental Breakfast and Vendors</b>
<b>8:30 – 8:45 AM</b>	<b>Welcome and introductions</b>
<b>8:45 – 9:35 AM</b>	<b>Up in Smoke: Risk Engineering Perspective on Property and Fire Life Safety for Cannabis Grow &amp; Extraction Operations</b>
<b>9:35 – 9:55 AM</b>	<b>Vendors</b>
<b>9:55 – 10:45 AM</b>	<b>Safeguarding the Bio-economy: The Evolving Biosecurity Threat</b>
<b>10:45 – 11:05</b>	<b>Vendors</b>
<b>11:05 – Noon</b>	<b>A Driver’s License Test for Driverless Vehicles: AV Software Verification and Safety Certification</b>
<b>Noon – 1:15 PM</b>	<b>Lunch and Vendors Lunch Speaker – Christopher J. Phelan, President and CEO Hunterdon County Chamber of Commerce</b>
<b>1:15 – 2:10 PM</b>	<b>Advancement in Head Protection for the Construction Industry; Leading Innovation and Creating Change</b>
<b>2:10 – 2:30 PM</b>	<b>Raffles and Closing</b>
<b>2:30 PM</b>	<b>Golf Outing and/or Networking Session</b>

For additional information: Louise Vallee, President of NJ ASSP  
[louisevallee7@gmail.com](mailto:louisevallee7@gmail.com) 908-763-5573

# Sessions

## **Title: Up in Smoke: Risk Engineering Perspective on Property and Fire Life Safety for Cannabis Grow & Extraction Operations**

**Description:** The legalization of Cannabis in the United States has been a hot topic for a number of years. As states have begun to adopt various levels of legalization, entrepreneurs have wasted no time setting up facilities to meet the demand. As marijuana growing and THC extraction facilities become more prevalent, evaluations have begun to identify the property hazards these operations present. This presentation will focus on the best practice property and life safety hazards in Cannabis Grow & THC Extraction Facilities. The challenges related to addressing these hazards and the guidance being provided by NFPA and others.

As this industry continues to grow, professionals from countless sectors will need to be educated on these operations. The building contractors, architects, designers, first responders and AHJ are only a few of the professions that will be directly involved in controlling the hazards associated with these operations.

## **Title: Safeguarding the Bio-economy: The Evolving Biosecurity Threat**

**Speaker Biography:** **Scott R. Nawrocki** is a Special Agent, WMD Coordinator for the FBI Newark Joint Terrorism Task Force. He is a subject matter expert in a variety of operational and administrative areas, including National Security, Crisis Management, Incident Response, Compliance, Vulnerability Management and WMD.

**Description:** This briefing will discuss how life sciences are overlapping with the cyber realm and security challenges tied to large biological data sets. Cyber ware and ransomware will also be covered.

**Objectives:** 1) Sensitize healthcare and public health professionals to report cyber breaches in the healthcare sector, 2) Socialize the concept of "the bio-economy" and 3) Understand the role of the FBI WMD Coordinator. This is a briefing on emerging biological risks and threats including suspicious activity indicators, insider threat awareness, and past case studies involving biological materials.

## **Title: A Driver's License Test for Driverless Vehicles: AV software verification and Safety Certification (including videos and gaming)**

**Speaker Biography:** **Dr. Rahul Mangharam** is the Penn Director for Mobility21 - the \$14MM Department of Transportation National University Transportation Center. Rahul is an Associate Professor in the Dept. of Electrical & Systems Engineering and Dept. of Computer & Information Science at the University of Pennsylvania. His interests are in cyber-physical systems which involve the tight coupling of communication, computation and control with physical systems. His current focus is on applications within medical devices, energy efficient buildings, automotive systems and industrial wireless control networks. He was the Stephen J. Angelo Term Chair Assistant Professor from 2008-2013. He received his

Ph.D. in Electrical & Computer Engineering from Carnegie Mellon University where he also received his MS and BS in 2007, 2002 and 2000 respectively.

Rahul Mangharam received the 2016 US Presidential Early Career Award (PECASE) from President Obama for his work on Cyber-Physical Systems. He also received the 2016 Department of Energy's CleanTech Prize (Regional), the 2014 IEEE Benjamin Franklin Key Award, 2013 NSF CAREER Award, 2012 Intel Early Faculty Career Award and was selected by the National Academy of Engineering for the 2012 and 2017 Frontiers of Engineering.

**Description:** Autonomous vehicles (AVs) have driven millions of miles on public roads, but even the simplest scenarios, such as a lane change maneuver, have not been certified for safety. As there is no systematic method to bound and minimize the risk of decisions made by the vehicle's decision controller, the insurance liability of autonomous vehicles currently is entirely on the manufacturer. He will describe APEX, a tool for autonomous vehicle plan verification and execution across a variety of driving scenarios. We will see the use of synthetic environments such as computer gaming to train and evaluate machine learning and decision control algorithms in future AVs. He will demonstrate a toolchain that captures different AV driving scenarios (merge, highway driving, exit, roundabout, T-junction, etc.) and exhaustively testing to efficiently expose high-risk driving decisions. He will also show a lot of videos of AV crashes and how we can effectively use computer games such as Grand Theft Auto to efficiently capture high risk driving scenarios - example <https://www.youtube.com/watch?v=T89DFGjECbl>

## **Title: Advancement in Head Protection for the Construction Industry; Leading Innovation and Creating Change**

**Speaker Biography: Seth Randall** is Division Director for Clark Construction with 12 years experience. He is a graduate of Slippery Rock University in Environmental Health and Safety Management. He sits on the Board of Chesapeake Regional Safety Council in Baltimore MD. He holds his CHST and CSP through the Board of Certified Safety Professionals.

**Description:** According to a study published by NIOSH, one out of every 4 construction fatalities is due to traumatic brain injury (TBIs). With these statistics and living through life changing incidents, Clark Construction has gotten away from the traditional 4 point suspension hard hat and into a helmet to protect their employees. Specifically the session will help educate the audience through real life situations, from incidents to implementation as well as share the history of the hard hat and where we see the future of the industry.



## **Beaverbrook Country Club**

**25 Country Club Drive  
Annandale, New Jersey 08801**

**[Get Directions](#)**



**(908) 735-4200**

Located in Annandale, NJ, just an hour west of New York City, Beaver Brook Country Club was named a "must play" course by *Golfing Magazine* in 2008. Beaver Brook Country Club's championship-quality public golf course is as challenging as it is beautiful. The clubhouse and several of the holes on both nines feature picturesque views of the Hunterdon Hills and Spruce Run Reservoir. Boasting one of the finest layouts in the area, the fairway is lined by stately oaks, maples and other trees.



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## Fall 2018 NJ ASSP Professional Development Conference Sponsorship Opportunities

- **Platinum Premiere Event Sponsor - \$1000 (up to 2 sponsors)**
  - Brand displayed individually on poster in premiere location at the event, on all event marketing materials, e-mails, and handout cover
  - Product and/or service advertising materials included in attendee packet
  - Event table and demonstration time at breaks and lunch
  - NJ ASSP web site regular “live” icon link to sponsor web site for 12 months
  - Introduction by Chapter President and 2 – 3 minute “pitch” during PDC
- **Gold Event Sponsors, Breakfast Sponsor, Lunch Sponsor - \$500**
  - Brand displayed on top half of multiple vendor sponsor poster at event entrance, on all event marketing materials, e-mails, and inside handout cover
  - Product and/or service advertising materials included in attendee packet
  - Event table and demonstration time at breaks and lunch
  - NJ ASSP web site regular “live” icon link to sponsor web site for 12 months
  - Thank you from Chapter President at event
- **Friends of NJ ASSP Sponsors - \$250**
  - Brand displayed on bottom half of multiple vendor sponsor poster at event entrance, on all event marketing materials, e-mails, and inside handout cover
  - Product and/or service advertising materials included in attendee packet
  - Event table and demonstration time at breaks and lunch
  - Thank you from Chapter President at event\
- Can't come but want to support? \$250 web site icon link or \$100 event advertisement

Twenty minutes will be allotted between speakers for vendor visitation, as well as during the lunch time period. Vendors receive free breakfast, lunch, and golf! Vendor visit validation cards will be given to attendees for entry into end of event prize drawing. Please consider donating a raffle prize – your company will be highlighted at the drawing!

Please contact: Louise Vallee, NJ ASSP President, [louisevallee7@gmail.com](mailto:louisevallee7@gmail.com) or 908-763-5573.

# Vendor NJ ASSP Web Site Advertising Information

Web Site Logo included for Gold and Platinum Sponsors <https://nj.assp.org/>

See web site icon example on NOVA ASSP web site below

Human Factors and Ergonomics Society 2018  
International Annual Conference

📅 October 1, 2018 - October 5, 2018

🕒 8:00 am - 5:00 pm

## Job Openings

**Part Time Safety**

Posted - Sep 01, 2018

**Hazardous Waste Project Manager**

Posted - Aug 29, 2018

**HAZMAT Manager**

Posted - Aug 29, 2018

## Chapter Newsletters

ASSE NOVA Newsletter - 2017 Q4

ASSE NOVA Newsletter - 2nd Quarter 2016

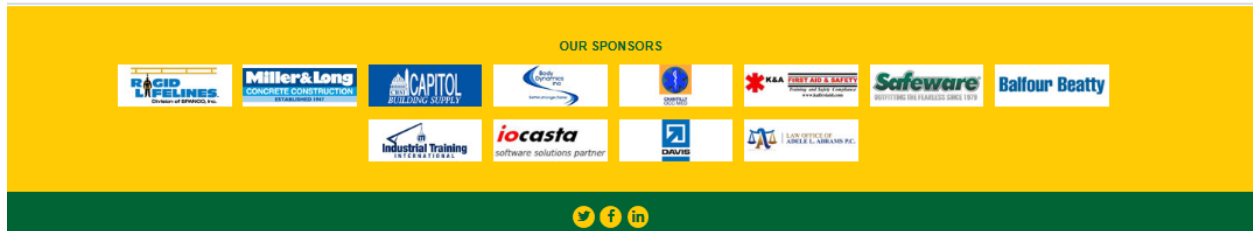
ASSE NOVA Newsletter – 1st Quarter 2016

## Recalls/Alerts

Bosch 1380 Slim Alert / Recall

INSPECTION NOTICE – 3M™ DBI-SALA®  
LADSAF™ X2 and X3 SLEEVES

Counterfeit PERI Formwork



NJ ASSP is still seeking raffle prizes!