

# APSCON 2018

LOUISVILLE, KY | JULY 9-14



ADVANCING PUBLIC SAFETY AVIATION

## SMALL UNMANNED AIRCRAFT SYSTEMS OPERATIONS (sUAS) COURSE

### LOCATION:

Kentucky EXPO Center,  
Room C104

### COURSE LENGTH:

Three days, 24 classroom hrs.

### DATE / TIME:

Mon., July 9 – Wed., 11, 2018  
0800 – 1700 hours each day

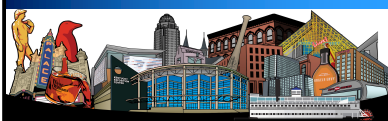
### INSTRUCTORS:

#### CHIEF DON SHINNAMON

Port St. Lucie (FL) Police Department  
(Retired)

Chief Shinnamon currently serves as a public safety aviation consultant. He most recently served as the Chief of Police for the City of Port Saint Lucie, FL, retiring from public service in late 2010. Chief Shinnamon served as the chair of the Aviation Committee of the International Association of Chiefs of Police (IACP) for over 15 years. In 2008, he was selected to serve on the first FAA rule making committee to draft regulatory language to integrate small-unmanned aircraft systems into the national airspace system.

A certified police officer and firefighter, Chief Shinnamon holds a Master's degree from the University of Baltimore and completed a fellowship at Harvard University. He is a commercial pilot, rated in both helicopters and airplanes.



**COURSE OBJECTIVES:** This course is designed to provide the student with a review of Small Unmanned Aircraft System (sUAS) start-up, missions and applications, FAA regulations, a review of the legal and privacy issues, management issues and all facets of starting and operating a successful program. The course is a must-have for agencies looking to start a sUAS unit. Success completion requires attendance at all 24 hours of classroom courses. **Maximum enrollment: 60**

**INTENDED AUDIENCE:** This course is intended for public safety personnel, both sworn and non-sworn, researching the feasibility in starting a sUAS unit. In addition, the course is intended for management and supervisory public safety personnel who may oversee such a unit.

### COURSE OUTLINE

DAY ONE		
0800 – 0830	Introductions Course Review	Don Shinnamon
0830 – 0930	sUAS Missions and Applications	Ben Miller
0930 – 1030	FAR PART 107 Review	Don Shinnamon
1030 – 1200	Fire Service Applications	Charles Werner
1200 – 1300	Lunch   On Own	
1300 – 1400	Public Acceptance of sUAS	Don Shinnamon
1400 – 1600	Privacy Issues	William Watson
1600 – 1700	Data Retention Considerations	Ben Miller

DAY TWO		
0800 – 1000	Standards and Accreditation	Shinnamon/Werner
1000 – 1100	Regulatory Issues	Don Shinnamon
1100 – 1200	Legislative Issues	William Watson
1200 – 1300	Lunch   On Own	
1300 – 1500	Supporting Technologies	Miller/Hassna
1500 – 1600	Aerial Searching Techniques	Ben Miller
1600 – 1700	Public Safety sUAS Case Studies	Miller/Madigan

DAY THREE		
0800 – 0900	Managing a sUAS Unit	Don Shinnamon
0900 – 1000	Purchasing Decisions	Ben Miller
1000 – 1200	Response to Incidents Involving sUAS/Drones	Scott May
1200 – 1300	Lunch   On Own	
1300 – 1600	sUAS Incident Case Studies	Werner/Miller/Madigan
1600 – 1700	Course Review and Critique	Don Shinnamon

## AIRBORNE PUBLIC SAFETY ASSOCIATION / sUAS OPERATIONS COURSE / INSTRUCTOR PROFILES:

### **BENJAMIN MILLER**

Colorado Division of Fire Prevention and Control's Center of Excellence for Advanced Technology Aerial Firefighting

*Ben spent the first part of his career with 15 years of distinguished service at the Mesa County Sheriff's Office (MCSO). Ben was the founder and program director of the first operational unmanned aerial system (UAS) program for a non-federal public safety agency in the United States. During his tenure, Ben played a pivotal role in streamlining the Federal Aviation Administration's (FAA's) flight approval process for public safety agencies. Ben has offered guidance to other agencies across the country and continues his focus on the integration of UAS and instruction for public safety agencies in the United States. The MCSO UAS program has been featured in prestigious print media—such as National Geographic, Time, and Smithsonian Air & Space—and has been covered by numerous news organizations around the world, including Fox News, CNN, MSNBC, NPR, The New York Times, and The Washington Post.*

*Ben has more than 160 mission deployments and has flown many types of unmanned operations, to include flights over armed gunmen, crime scene reconstruction missions, search and rescue operations, and fire operations. Ben also had the opportunity to train game wardens in Namibia in support of their anti-poaching efforts.*

*Throughout the industry, Ben is regarded as a thought leader on the applications of small unmanned aircraft in public safety. His perspective has been shared in presentations across the United States and Canada, including testimony to the United States Senate Judiciary Committee, as well as to other members of Congress at both the state and national levels. His expertise has been sought by prestigious organizations—such as the National Aeronautics and Space Administration, the Federal Bureau of Investigation, the United States Secret Service, the United States Department of Justice, and the FAA's NextGen Institute—and numerous other entities in the unmanned aircraft space, including academia and industry.*

### **SCOTT MAY**

Sergeant, Lexington (KY) Police Department

*Scott has been a member of the Lexington Police Department for over 25-years. Scott was instrumental in planning and starting his department's aviation unit, as he oversaw the acquisition of an OH-58 military excess helicopter, the aircraft's overhaul and re-furbishment and the start-up of the unit. Scott is an FAA Commercially rated helicopter and airplane pilot. He is also an FAA Safety representative and a part of the FAA FAAS Team. Scott has taught for ALEA for several years and specializes in accident investigation and new-unit start-up.*

*Scott also successfully attended and completed the NTSB Aircraft Accident Investigation Course.*