



October 16, 2018
4-H Center
Little Rock, Arkansas

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Arkansas Drone Con Agenda

8:00-9:15	Registration	Foyer
8:30-3:00	Exhibits Open	Foyer
9:15-10:05	Opening Session <i>Keynote Speaker</i> <i>Brandon Guillot, Owner</i> <i>Unmanned Aerial Solutions of Arkansas</i>	Auditorium
	UAS in Arkansas Announcements	Angela McCallie
10:15-11:05	Workshop Session 1	
11:10-12:00	Workshop Session 2	
12:00-1:00	Lunch served at 4-H Center	Cafeteria
1:00-1:50	Workshop Session 3	
2:00-2:50	Workshop Session 4	
3:00-4:00	Closing Session Henderson State University Southeast Missouri State University Door Prizes	Auditorium



Arkansas Drone Con Workshop Descriptions

10:15-11:05

Starting a Drone Business

Conference Room 1

Timothy Lee, Project Specialist, Arkansas Small Business and Technology Development Center

Learn about essential startup steps, legal business structures, regulations and licensing including key issues that affect your business success and common pitfalls entrepreneurs face. A must for first-time small business owners!

Working with Drone Technology

Conference Room 2

Daniel Neeley, Realtor, Forester, sUAS Remote Pilot, United Country Realty/Neely Forestry Service

Drone use for marketing and data collection of property including realty and forestry.

Tinkercad: Easy to Learn, Easy to Use

Conference Room 3

Tim Caffrey, Director of Engineering and Marketing, NWA3D

Computer Workshop--This session will cover the popular, free, cloud-based CAD program Tinkercad. We'll discuss the program's useful tools and the process of exporting a model for 3D printing.

Arkansas UAS Program and Curriculum

Conference Room 4

Angela McCallie, CEO, QTL/ExplorNet

Teacher Workshop--Learn about the curriculum for Unmanned Aerial Systems created in partnership with the Arkansas Department of Career Education and ExplorNet. A 3-course STEM program of study provides secondary students with knowledge necessary to become Remote Pilot Certified; and to build, operate, and repair a UAS, or include the Flex course in another program area. This is a growing field with job opportunities for those with UAS background and skills.

Drones in Emergency Management

Conference Room 7

Wilson Short, Instructor, Arkansas Tech University

Discussion about how drones are used in emergency management for natural disasters and the Emergency Management program at Arkansas Tech University.

Drone Obstacle Course

Activity Center (Follow signs)

Hands-on workshop: Put your UAS piloting skills to the test as you navigate through this obstacle course.

May only attend this session one time.

11:10-12:00

sUAS and Wildlife Law Enforcement

Conference room 1

Lt. Brian Aston, Special Operation Lieutenant, Arkansas Game and Fish Commission

Overview of the Arkansas Game and Fish Commission's sUAS program: training, equipment and uses.

Working with Drone Technology

Conference Room 2

Daniel Neeley, Realtor, Forester, sUAS Remote Pilot, United Country Realty/Neely Forestry Service

Drone use for marketing and data collection of property including realty and forestry.

How Do I Do This Safely? Electronic Preflight Planning

Conference Room 3

Brandon Guillot, Unmanned Aerial Solutions of Arkansas; Owner

Computer Workshop--So, you have your Remote Pilot Certificate, your aircraft is registered, and now you want to fly. How do you use electronic resources to help plan your flight in a way that will be safe, legal, and accomplish your mission? Join us as we review the various means available to keep you flying high and not crashing into the doghouse with the FAA.

Aerospace Education Resources

Conference Room 4

Major Garrick St. Pierre, Director of Aerospace Education, Civil Air Patrol, Arkansas Wing

Teacher Workshop--An overview of Arkansas aerospace education resources, curriculum, and community partners.

3D Printing: Tips, Tricks, and Best Practices

Conference Room 7

Tim Caffrey, Director of Engineering and Marketing, NWA3D

An interactive session for beginner to intermediate users of 3D printing. We will cover operation, maintenance, and common troubleshooting procedures. And dive into best practices in design, part orientation, and slicer settings.

Drone Obstacle Course

Activity Center (Follow signs)

Hands-on workshop: Put your UAS piloting skills to the test as you navigate through this obstacle course.

May only attend this session one time.

1:00-1:50

sUAS and Wildlife Law Enforcement

Conference Room 1

Lt. Brian Aston, Special Operation Lieutenant, Arkansas Game and Fish Commission

Overview of the Arkansas Game and Fish Commission's sUAS program: training, equipment and uses.

UAS Operations in the University of Arkansas Football Program

Conference Room 2

Dr. Richard Ham, Associate Director, University of Arkansas

Presents a review of complex compliances issues and case studies including Razorback football game UAS use and development of experiential learning to meet desired student outcomes.

Video Editing for Drone Footage

Conference Room 3

Angela McCallie, Digital Media Teacher, QTL/ExplorNet

Computer Workshop--Has your drone captured video footage? What do you do next? This interactive session will teach you how to edit that drone footage.

UAS Program Implementation/Building Relationships in the Community

Conference Room 4

Grant Brewer, UAS Instructor, FS Southside High School

Teacher Workshop--This session will discuss some of the pros and cons of implementing a UAS Program at the high school level along with building relationships in the community for UAS Program partnerships.

UAVs & Drone Design

Conference Room 7

Dakoda Baker, UAS Engineer/Educator, US Air Force/Central AR Drones and Repair

A brief overview to the technology involved in making flying robots, as well as the process involved with designing and engineering a UAV to meet a spectrum of needs

Drone Obstacle Course

Activity Center (Follow signs)

Hands-on workshop: Put your UAS piloting skills to the test as you navigate through this obstacle course.

May only attend this session one time.

2:00-2:50

Arkansas Valley Electric Drone Program

Conference Room 1

Seth Sikes & Clay Crowley, GIS Analyst/Drone Coordinator, Arkansas Valley Electric Cooperative

We will describe and show how the electric cooperative uses drones in our daily workflow.

Want a Degree or Career in UAS?

Conference Room 2

Dr. Jim Peterson, Professional Civil Engineer and Land Surveyor, Southeast Missouri State University

Come learn what a degree in UAS looks like. Topics will include an overview of the degree program at Southeast Missouri State University and how the curriculum differs from other universities as well as prepping now for a successful career in this STEM degree.

Video Editing for Drone Footage

Conference Room 3

Angela McCallie, Digital Media Teacher, QTL/ExplorNet

Computer Workshop--Has your drone captured video footage? What do you do next? This interactive session will teach you how to edit that drone footage.

Federal Perkins Funding/New Program Start-up Application

Conference Room 4

Maria Swicegood & Christine Bennett, Funding and Accountability, Arkansas Career Education

Teacher Workshop--Learn if your school is eligible to receive funding to begin or continue with the UAS program.

UAV Applications

Conference Room 7

Dakoda Baker, UAS Engineer/Educator, US Air Force/Central AR Drones and Repair

A dive into the world around us and how UAVs are impacting and improving it. Some examples include entertainment, agriculture, law enforcement, and military.

Drone Obstacle Course

Activity Center (Follow signs)

Hands-on workshop: Put your UAS piloting skills to the test as you navigate through this obstacle course.

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Welcome!

Welcome to the first student drone conference in Arkansas! This educational conference is planned to inform students and educators of the many opportunities the UAS industry offers. Participants include high school students and teachers from Arkansas UAS programs, EAST, Agriculture, Business, Criminal Justice, Film, Aviation and Construction.

We hope you enjoy your day and that you take advantage of the many selections to learn more about the potential of drones in your future. Ask questions, listen to the presenters, meet new people, consider your options, and have fun!

Thank you to the following people and organizations for their support of the Arkansas Drone Con.

Sponsors

QTL/ExplorNet

Exhibitors

Arkansas Drone Solutions
Henderson State University

Civil Air Patrol
NWA3D

Southeast Missouri University

Presenters

Timothy Lee, Project Specialist, Arkansas Small Business and Technology Development Center
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For more information
on UAS curriculum, visit
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