

Two-day workshop on “Unmanned Aerial Systems in Agriculture”

In the past few years, unmanned aerial systems (UAS aka drones) have fascinated growers, crop service providers and researchers alike with versatile imaging and non-imaging application capabilities. Agribusiness industry is trying to keep pace with rapid developments in this sector. This workshop provides comprehensive understanding of the fundamentals of UAS technology, optical sensing principles and types, integration/ calibration methods, and an important comprehensive overview of current FAA rules (Part 107), regulations and safety issues.



When: November 8-9, 2017

Where: Ag Tech Building, WSU IAREC, Prosser, WA 99350

Day 1 (7:30 am to 5 pm)

Topic 1: Introduction to UAS. Principles of flight. UAS types and classifications. Overview of UAS components (airframes, powertrain, flight and nevi controllers, telemetry, etc.). Configuration, calibration and mission planning for first flight.

Topic 2: UAS operational training & regulations. Rules, regulations & safety. Comprehensive overview of FAA Part 107 and UAS pilot certification preparation. Ethics & privacy.

Day 2 (8 am to 5 pm)

Topic 3: Hands-on UAS flight training. Break into small groups and get hands-on UAS mission flying in agricultural environment (weather permitting)

Topic 4: Overview of sensors and data analytics. Sensor types & output data formats. Integrating sensor(s) with UAS. Basics steps in data analytics. Overview of data processing tools.

Registration Fee: \$370/ attendee, Group of 5 or more \$350/attendee. Maximum seats limited to 25. Registration cost includes lunch and coffee/light snacks on both days.

Register at: <http://www.brownpapertickets.com/event/3094980>

Cancellations: Cancellations will be accepted until 10 days to the workshop, and the registration fee, less \$50 will be refunded. Afterwards, no refunds will be made for cancellations.

Substitution: allowed.

Please contact **Lav Khot**, lav.khot@wsu.edu, for workshop content information or **Linda Root**, lsfleming@wsu.edu, for registration information.