

Sustainable Forests Education Cooperative

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2017 Workshop: Natural Resource Applications of Unmanned Aerial Systems



This workshop is designed to introduce unmanned aerial systems (UAS) technology with a focus on natural resource applications in forested landscapes. The workshop will be taught by Dan Heins and Andrew Jenks of the University of Minnesota Remote Sensing and Geospatial Analysis Lab and Department of Forest Resources. We will review UAS technology including capabilities and limitations, regulatory status, operation, data products, and applications for foresters and land managers. Weather permitting, the workshop will include demonstration UAS flights with ample time for observation and Q&A.

This is a two day workshop. On day 1, lunch and refreshments will be provided (dinner is on your own) and on day 2, breakfast, lunch, and refreshments will be provided.

Lodging is available at the Cloquet Forestry Center during the workshop. Single units are \$40 and you may contact Stephanie Oberg to make a reservation (218-726-6401 or oberg086@umn.edu)

Note: Space is limited and you must register to attend.

Dates: Thursday April 6 and Friday April 7, 2017

Time: April 6 from 9am to 5pm and April 7 from 8am to noon.

Location: Cloquet Forestry Center, 175 University Rd, Cloquet MN 55720 ([map](#))

Instructors: Dan Heins and Andy Jenks, University of Minnesota Remote Sensing and Geospatial Analysis Lab and Department of Forest Resources

Cost: \$250 SFEC members, \$375 Non-members, \$150 Students (on or before March 27, 2017.) Registration fees **increase** by \$25 per person on March 28, 2017.

Continuing Education Credits: TBD

[PDF Flyer](#)

[Agenda](#)

Uploaded files:

[agenda_nr_appl_of_uas_2017april.pdf](#)

Contact Us

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UMN SF... @MNFores... · Sep 21
Brian Palik gave a great talk yesterday called Adaptive Silviculture for Climate Change: Lessons for timber-oriented managers.

If you missed it, here's the recording:
sfec.cfans.umn.edu/2022-webinar-s...



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UMN SF... @MNFores... · Sep 20
Starting in 15 minutes: Adaptive Silviculture for Climate Change

AGENDA

Natural Resource Applications of Unmanned Aerial Systems

April 6 and 7, 2017 at the Cloquet Forestry Center

Day 1, Thursday April 6:

| | |
|------|---|
| 0830 | Check-in opens |
| 0900 | Welcome, introductions, and agenda review |
| 0915 | Introduction to UAS: History, technology, regulations |
| 1015 | Break |
| 1030 | UAS Applications |
| 1100 | Essential Information: Airspace, aeronautical charts, weather,... |
| 1200 | Lunch break – provided in the CFC dining hall |
| 1300 | Mission Planning and Simulator |
| 1500 | Travel to CFC Demo Field for Demonstration Flights |
| 1645 | Closing Comments |
| 1700 | Adjourn |

Day 2, April 7:

| | |
|------|---|
| 0715 | Breakfast provided in the CFC dining hall |
| 0800 | Welcome |
| 0815 | Data Processing |
| 0915 | Products and Outputs |
| 1000 | Break |
| 1015 | Case Studies |
| 1100 | Closing Comments, Q&A, Open Discussion |
| 1200 | Adjourn |



About the Instructors

Dan Heins

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