Unmanned Aircraft Systems Workshop for Professionals

Elevate your career learning from one of the nation's most experienced UAS teams. In 2021, the University of Vermont's popular UAS workshop is back and going virtual. Over the course of two weeks, you will learn everything you need to implement drone technology in your organization and carry out advanced data processing and analytics.

DATES
September 13-24, 2021

TECHNOLOGY
All you need is a computer and a broadband internet connection. You will be provided with a virtual desktop containing all the software you need for the course.

FORMAT
1-hour daily virtual meeting
Self-paced exercises (1-2 hours/day)

TOPICS & TECHNIQUES
- Organizational considerations for UAS
- Regulations
- Safety procedures
- Implement flight checklists
- Risk management & mitigation
- Platform & sensor selection
- Flight planning
- Quadcopter flight operations
- Fixed-wind flight operations
- Infrastructure inspection
- Wide-area mapping
- Photogrammetric processing of drone data using Pix4D
- 3D modeling
- UAS data analysis using ArcGIS
- Integrating drone data into web apps using ArcGIS Online
- Multispectral image analysis
- Thermal image analysis

INSTRUCTOR
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Watch the overview video
https://youtu.be/XSPpYHtVeJ4