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 - October 1, 2021

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

**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

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

**INSTRUCTOR**
Jarlath O'Neil-Dunne
Director, Spatial Analysis Lab
University of Vermont
joneildu@uvm.edu