

## AGENDA

# Natural Resource Applications of Unmanned Aerial Systems

April 12, 2016 from 8:15am to 4:00pm, Cloquet Forestry Center



8:00am	Check-in opens	
8:15am	<b><i>Welcome, introductions, and agenda review</i></b>	Eli Sagor, UMN-SFEC
8:30am	<b><i>Drones for Natural Resource Applications</i></b> -Fixed wing verses multirotor drones -Mission planning and legal limitations -Basic mission products -Post-processed product examples	Bill Anderson, UMN Forest Resources Dept.
9:45am	Break	
10:00am	<b><i>Demonstration flights</i></b> -Fixed wing eBee (weather permitting)	Bill Anderson
11:15pm	<b><i>Forestry applications</i></b> -Current applications -Conclusions and discussion	Eli Sagor and Bill Anderson
11:45am	Lunch break	CFC dining hall
12:30pm	<b><i>Post-flight data processing (optional afternoon session)</i></b> -Post flight processing -Overview of photogrammetric processing steps -Processing quality report	Bill Anderson
2:00pm	<b><i>Hands-on processing (Computer lab)</i></b> -Overview of processing software options -Processing raw data with PhotoScan Pro -Viewing LAS files in Quick Terrain Reader	Bill Anderson
4:00pm	Adjourn	