

UCANR DroneCamp 2019 Agenda

June 18-20, 2019

Marina, Monterey

<http://igis.ucanr.edu/dronecamp/>

Locations

See also: [DroneCamp / DART Events Map](#)

Cal State University Monterey Bay (CSUMB), classroom sessions

3052 Divarty Street, Seaside, CA 93955 [\[map\]](#)

Gambord Business and Information Technology (BIT) Building (Bldg 506 on [campus map](#))

Rooms: 113 (main classroom); 105 (computer lab); 110 (lunch Tu & Wed); 222 (lunch Th)

Parking: Several parking lots are within a 5 minute walk (see [Campus Parking Maps](#)).

Daily parking permits are available for \$4/day at dispensers or online. Online purchase is recommended (you can print them at home).

Wifi. A unencrypted guest network, 'CSUMB Guest' is available for visitors. After connecting to the network, open a browser and visit any webpage to start the registration process. Your access will be limited to 48 hours, after which you can re-register.

Fort Ord Reserve, flight practice area

Main gate is near: 711 Neeson Rd, Marina, CA 93933. [\[map\]](#)

Follow the signs to the Skydiving place, the gate is about 200 feet beyond that.

Meet at the gate to the reserve. It's about a 10-15 minute walk from the gate to the Campsite where we'll be flying from. There is plenty of parking near the gate, but no parking at the Campsite. Be prepared to walk; a shuttle service will also be available.

Tuesday June 18

Location: CSUMB, BIT Rm113

8:00 - 9:00 am	Light breakfast and registration <i>Drone flight simulators will be available</i>
9:00 - 9:30 am	Welcome, Introductions & Course Overview <i>Andrew Lawson, CSUMB; Josh Metz, DART; Maggi Kelly, IGIS</i>
9:30 - 10:30 am	Drone technology and applications <i>Sean Hogan</i>
10:30 - 10:45 am	Break

10:45 - 11:45 am	Roundtable equipment presentation, exhibition and Q&A session <i>All</i>
11:45 - 12:00 pm	Flight Controls & Intro to Simulators <i>Jacob Flanagan</i>
12:00 - 1:00 pm	Lunch (provided) BIT Rm 110
1:00 - 1:45 pm	UAVs and Ecology: Research & Technology Futures <i>Maggi Kelly</i>
1:45 - 2:30 pm	Risk Analysis and Management <i>Brandon Stark</i>
2:30 - 2:45 pm	Break
2:45 - 3:45 pm	Intro to Regulations and Part 107 & Practice Test <i>Andy Lyons</i>
3:45 - 4:45 pm	Mission Planning <i>Chippie Kislik</i>
4:45 - 5:00 pm	Wrap-up <i>Maggi Kelly & Andy Lyons</i>
5:00 - 8:00 pm	Monterey Bay DART Meetup @ UCMBEST (optional) 3180 Imjin Rd, Marina, CA 93933 [map]
	<i>Dinner on your own</i>

Wednesday June 19

Location: CSUMB, BIT Rm 113

8:00 - 9:00 am	Light breakfast and simulator practice
9:00 - 9:15 am	Announcements and overview of day's activities <i>Andy Lyons</i>
9:15 - 9:45 am	Intro to Data Management <i>Jacob Flanagan</i>
9:45 - 10:15 am	Break <ul style="list-style-type: none"> ● Group 1 stays at CSUMB ● Group 2 travels to Fort Ord Reserve for flight practice

Group 1. Data Processing and Analysis*Location: CSUMB, BIT Rm 105*

10:15 - 10:45 am	Overview of Photogrammetry <i>Andy Lyons</i>
10:45 - 12:00 pm	Pix4D orientation and Intro Exercise
12:00 - 1:00 pm	Lunch (provided) <i>BIT Rm 110</i>
1:00 - 1:30 pm	Tools & Tricks Show 'n Tell
1:30 - 2:00 pm	Getting to Know ArcGIS Pro <i>Shane Feirer & Robert Johnson</i>
2:00 - 3:00 pm	ArcGIS Pro exercise Pt.1 <i>Shane Feirer & Robert Johnson</i>
3:00 - 3:15 pm	Break
3:15 - 4:45 pm	Choose your own adventure: <ul style="list-style-type: none"> ● ArcGIS Pro exercise Pt. 2 ● Pix4D exercise Pt. 2 <i>Shane Feirer & Robert Johnson</i>
4:45 - 5:00 pm	Wrap up
	<i>Dinner on your own</i>

Group 2. Flight Practice*Location: Fort Ord Natural Resource (meet at the gate, [map](#))*

10:15 - 11:15 am	Flight safety orientation and operational overview <i>Sean Hogan and Jacob Flanagan</i>
11:15 - 11:45 am	Flight session #1. Take Offs and Landings + Basic Maneuvers
11:45 - 12:15 pm	Flight session #2. Flight Patterns
12:15 - 1:15 pm	Box lunches
1:15 - 2:15 pm	Fixed wing demo flight
2:15 - 2:45 pm	Flight session #3. Emergency procedures
2:45 - 4:15 pm	Flight session #4. Autonomous Flight
4:15 - 4:30 pm	Break

4:30 - 5:00 pm	Wrap up
	<i>Dinner on your own</i>

Thursday June 20

Location: CSUMB, BIT Rm 113

8:00 - 9:00 am	Light breakfast and simulator practice
9:00 - 9:15 am	Announcements and overview of the day's activities <i>Andy Lyons</i>
9:15 - 9:45 am	Break <ul style="list-style-type: none"> • Group 1 travels to Fort Ord Reserve for flight practice • Group 2 stays at CSUMB
Group 1. Flight Practice <i>Location: Fort Ord Natural Resource (meet at the gate, map)</i>	
9:45 - 10:30 am	Flight safety orientation and operational overview <i>Sean Hogan and Jacob Flanagan</i>
10:30 - 11:00 am	Flight session #1. Take Offs and Landings + Basic Maneuvers
11:00 - 11:30 am	Flight session #2. Flight Patterns
11:30 - 12:00 pm	Flight session #3. Emergency procedures
12:00 - 1:00 pm	Box lunches (provided)
1:00 - 2:00 pm	Fixed wing demo flights
2:00 - 4:00 pm	Flight session #4. Autonomous Flight Practice
4:00 - 4:30 pm	Wrap-up
Group 2. Data Processing and Analysis <i>Location: CSUMB, BIT Rm 105</i>	
9:45 - 10:15 am	Overview of Photogrammetry <i>Andy Lyons</i>
10:15 - 11:30 am	Pix4D orientation and Intro Exercise
11:30 - 12:00 pm	Tools & Tricks Show 'n Tell

12:00 - 1:00 pm	Lunch (provided) BIT Rm 222
1:00 - 1:30 pm	Getting to Know ArcGIS Pro <i>Shane Feirer & Robert Johnson</i>
1:30 - 2:30 pm	ArcGIS Pro exercise Pt.1 <i>Shane Feirer & Robert Johnson</i>
2:30 - 2:45 pm	Break
2:45 - 4:00 pm	Choose your own adventure: <ul style="list-style-type: none"> • ArcGIS Pro exercise Pt. 2 • Pix4D exercise Pt. 2 <i>Shane Feirer & Robert Johnson</i>
4:00 - 4:30 pm	Wrap-up
Closing Reception with DART UAS Symposium <i>Location: SpringHill Suites Hotel by Marriott, Roof. 215 10th Street, Marina, CA 93933 [map]</i>	
5:00 - 8:00 pm	Closing Reception & Certificates

Friday June 21



The DART UAS Symposium is a separate event and requires a separate registration. More info at <https://montereybaydart.org/event/monterey-bay-dart-symposium/>

Many thanks to the DroneCamp Scholarship Program supporters

