

DRONECON

HACK NOW TO WIN TOMORROW

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WHAT IS IT???

#Dronecon24 is a multi-day scrapathon. Teams will test their metal in violent and nonviolent ways. Themes: Hybrid Warfare, Drones, Robotics, Data, Signals, Cyber.

FEATURES

Robotics	● ● ● ● ●
Air	● ● ● ● ●
Ground	● ● ● ● ●
BATTLE	● ● ● ● ●
Field day	● ● ● ● ●
Destruction	● ● ● ● ●
Analytics	● ● ● ● ●
Joint forces and allies	● ● ● ● ●
Capture flag	● ● ● ● ●
Hacking	● ● ● ● ●
Trons	● ● ● ● ●
Jousting	● ● ● ● ●
LARPing	● ● ● ● ●
Fun	● ● ● ● ●

ACTIVITIES, CHALLENGES, AWARDS

1. Junkyard wars: Hack together machines then complete challenges.
2. Air Race: Timed trials and stunts around Pylons like the Red Bull Air Race.
3. Field day: "Pro Day" style exercises, slalom, autocross challenges.
4. BATTLE BOTS: Paintball, airsoft. Drone-augmented fireteams and small-unit skirmishes. A string of paint or water balloon bombs. Gladiator-style nets. Flying wrecking-balls. Heavy-duty hobbyist RC planes, jets, choppers.
5. Drone swarm and ground battles, as in Ender's Game. Forecasted outcome.
6. Night ops: Night-vision. Fluorescent paint paintballs, airsoft rounds.
7. Countermeasures. Smoke and mirrors. Decoy drones, chaff and flare (glitter bombs?). Spectrum warfare. Hobbyist rocket-drone targeting / shootdown.
8. Ground control to Maj Tom: Predictive data hackathon on the ground. Network security / cyber-to-drone. Uplink / downlink with manned craft.
9. Psyops: Leaflet dropping, skywriting, banner-towing, cyber air-dropping.
10. Synchronized droning: Choreographed Vietnam-era football field air-ballets.
11. Medieval Knights: Drone jousting, capture the guidon flag, LARPing.
12. Spectrum shootout: Electronic warfare one-on-one cowboy duels.
13. Intel: Surveillance, mapping, network sniffing, offensive cyber-from-drone.
14. Sense and avoid: No visual, possible night ops, fly-by-sense challenges.
15. Autonomy: Rat race / mouse maze style obstacle course. No humans.
16. Easter egg challenges: Sleeper prizes, contests for the inquisitive drone.
17. Science fair demo day: Show off creations, professional networking.

AWARDS

PEOPLES' CHOICE for best: Junkyard creation, paintball, team spirit / mascot, open-source documentation, psy-ops win, major destruction, LARPing costumes.

COMANDANTE'S CUP for best: Overall team, pilot, battlefield innovation, shoot-down, cyber flag-captors, data / outcome forecasters, jousting, quidditch team.