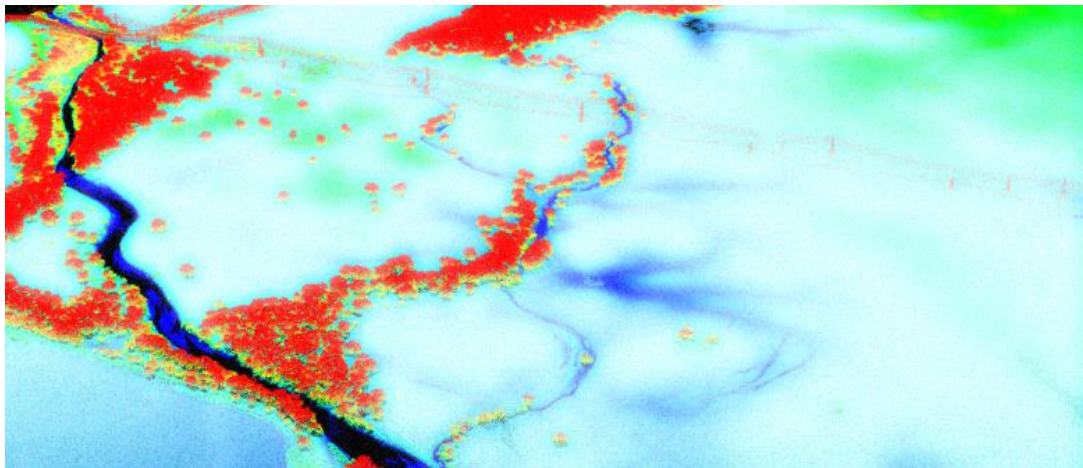




# **UAV Safety and Best Practices Technical Workshop**

**July 7<sup>th</sup> • 09:00am – 5:00pm**  
**UC Merced Castle Research Facility**



Course Topics to be covered include:

- Introduction to Unmanned Aerial Systems Flight Operations
- Regulations, Operations Risk Management and Flight Simulation
- Autonomous Flight and Data Collection
- Navigation and Flight Planning
- Ground Flight Operations and Safety Checks
- Piloting Skills Assessment

## Program

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|---------------|--|
| 9:00 – 9:30   | <b>Introduction and Overview</b> - YangQuan Chen                     |
| 9:30 – 10:00  | <b>Wright Brothers 2.0</b> - YangQuan Chen                           |
| 10:00 – 10:15 | <b>Walk/Talk through a typical UAS operation</b> – Yoni Shchemelinin |
| 10:15 – 10:30 | <b>Break</b>   |
| 10:30 – 11:00 | <b>Regulations/Insurance/Risk Assessment</b> – Brendan Smith         |
| 11:00 – 11:30 | <b>Flight Planning &amp; Risk Management</b> – Andy Anderson         |
| 11:30 – 12:00 | <b>Autonomous Flight Operations</b> – Brendan Smith                  |
| 12:00 – 13:00 | <b>Lunch</b>   |
| 13:00 – 13:30 | <b>Ground Crew and Crew Credentialing</b> – Andy Anderson            |
| 13:30 – 14:00 | <b>Training Program/Drone Educational Eco-System</b> -YangQuan Chen  |
| 14:00 – 14:30 | <b>Image Collection</b> - Tiebiao Zhao                               |
| 14:30 – 15:00 | <b>Break</b>   |
| 15:00 – 17:00 | <b>Hands-On Session at UC Merced Scientific Data Drone Test Site</b> |