



Tactical Fire Remote Sensing Advisory Committee (TFRSAC) #31

Spring Meeting / May 29 - 30, 2019



“We'll bring our eggheads, you bring yours, and we'll scramble 'em together” – Vince A.

Meeting location: NASA Ames Research Center, Bldg. 152, Mountain View, California

Moderators: Vince Ambrosia (408-666-7609 cell), Everett Hinkley (801-455-8764 cell)

TFRSAC AGENDA – Wednesday May, 29 2019

8:25 am Meeting start – NASA Conference Center (Bldg. 152) – An Adobe Connect and teleconference line are available for those who cannot attend in person.

Morning Presentations (110 minutes)

Pacific Daylight Times Shown

- [Welcome and Introductions \(15\)](#) Vince & Everett
- [NASA Outlook \(25\)](#) Vince Ambrosia
- [National Infrared Operations Update \(20\)](#) Tom Mellin
- [Forest Service \(Beltway\) Update \(20\)](#) Everett Hinkley

10:15 am Break (15 min)

10:30 am (105 minutes)

- [Fire Imaging Missions to Support Wildland Fire Ops \(20\)](#) Evans Kuo
- [CalFire Update \(20\)](#) Phillip SeLegue
- [Dept. of Interior UAS Program Update \(20\)](#) Rich Thurau
- [Forest Service UAS Program Update \(20\)](#) Brad Quayle

12:15 pm Lunch

1:15 pm Afternoon Session #1 (105 minutes)

- [Wildland Fire Visualization and First Responder Location \(15\)](#) Bailey Farren
- [DHS Wildland Urban Interface Fire Initiative \(20\)](#) Everett Hinkley
- [Status Update: Operational GOES-R fire product \(25\)](#) Chris Schmidt (remote)
- [Autonomous Scheduling of Agile Spacecraft Constellations \(20\)](#) Sreeja Nag
- [Update on GeoCollaborate® \(15\)](#) Dave Jones (remote)

3:00 pm Break (15 Minutes)

3:15 pm Afternoon Session #2 (105 minutes)

- Thermal Working Group Update (15)
- [FASMEE Update \(20\)](#)
- [FIREX AQ Overview \(20\)](#)
- [SBIR Update \(15\)](#)
- [Machine Learning for Smoke detection \(15\)](#)

Phil Mead
Adam Watt
Dr. David Peterson
Ed Freeborn
Dr. Kinshuk Govil

5: 00 pm Adjourn for day

5:45 pm TWAI Aerostat Demo

Ilya Schiller & Charles Lambert

6:30 pm Meet for dinner at Tied House

Day 2 Agenda – Thursday May, 30 2019

8:30 am Meeting start // Location: NASA Conference Center (Bldg. 152)

Morning Presentations (105 minutes)

- Wednesday Recap (10)
- Canadian Fire / WildFireSat (20)
- [VALUABLES Cost Effectiveness Study \(20\)](#)
- [Wildfire and Radar/Active Remote Sensing \(20\)](#)
- [Persistent Elevated Systems Support \(25\)](#)

Vince & Everett
J. Johnston
Richard Bernknopf
Nicholas McCarthy
Ilya Schiller & Charles Lambert

10:15 am Break (15 min)

10:30 am

- [Realtime fire detection and the results of suppression \(25\)](#)
- [Application of Realtime Tactical Intelligence \(30\)](#)
- [Update on Development of TBIRD and TMAS \(25\)](#)

David Fuhr
Hart Drobish & Pat Basch
John Green

11:30 am *Open Discussion*
Future direction & Strategy
Fire Requirements Matrix
Action Items and Wrap-up

All

12:30 pm Lunch & Disband

Meeting Logistics:

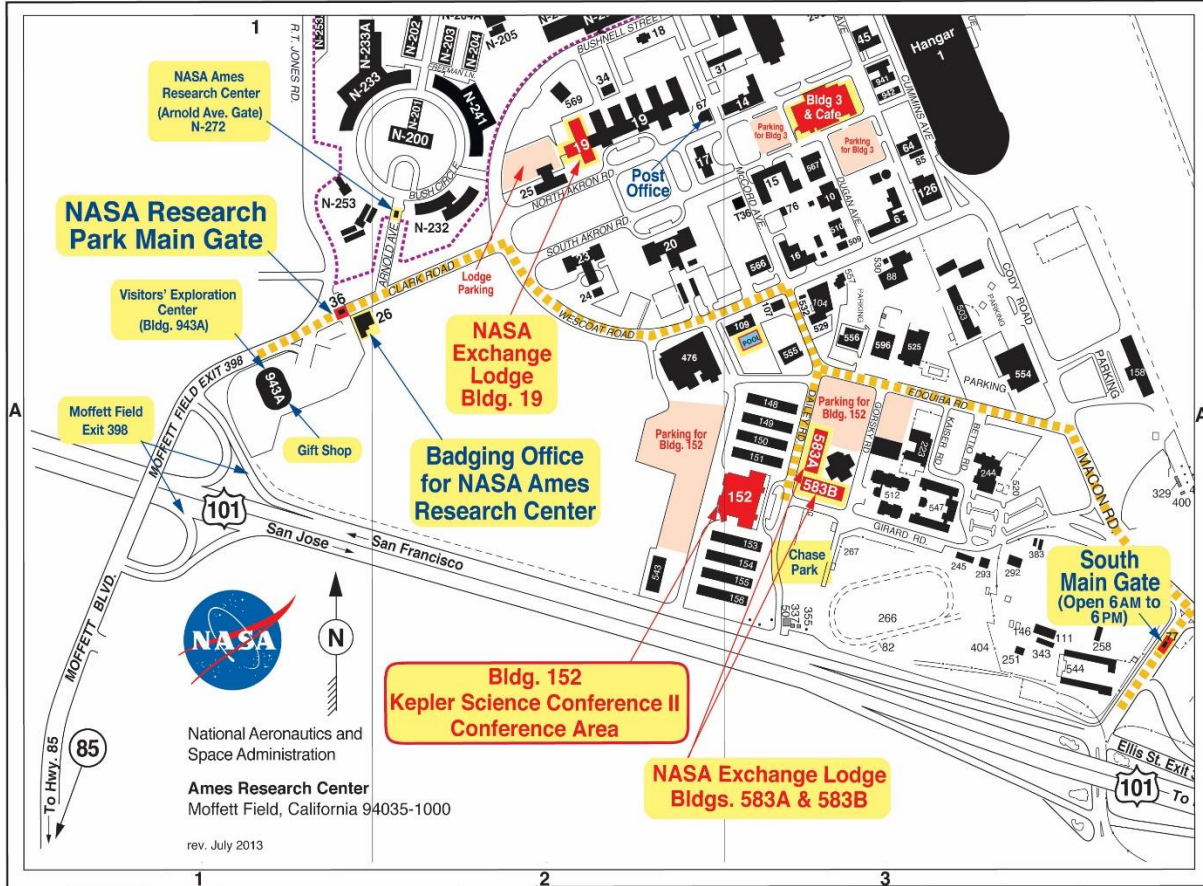
AdobeConnect session for our meeting: <https://ac.arc.nasa.gov/TFRSAC>

Call-in (for Audio Only):

Phone: 888-844-9904

Pass Code: 5699815

Location Map (Building 152 in Lower Left Corner – Kepler Science Conference II):



Kepler Science Conference II
November 4 - 8, 2013
NASA Ames Research Center

Attendees may enter either the Main or South Main Gate. A government-issued photo ID is required to enter Ames. All conference-related activities take place in red-highlighted buildings; parking lots are highlighted with a peach color. ALL SESSIONS WILL TAKE PLACE IN BUILDING 152. Follow the golden dotted line to get from either gate to Building 152.