



Tactical Fire Remote Sensing Advisory Committee (TFRSAC)

Spring Meeting / May 24-25, 2017



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

Meeting location: NASA Ames Research Center, Bldg. 3, Mountain View, California

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

TFRSAC AGENDA – Wednesday May, 24 2017

8:30 am Meeting start – NASA Conference Center (Bldg. 3) – An Adobe Connect and teleconference line are available for those who cannot attend in person.

Morning Presentations (120 minutes)

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| • Welcome and Introductions (15) | Vince & Everett |
| • Update from CSIR – S. Africa (25) | Phil Frost |
| • NASA Outlook (25) | Vince Ambrosia |
| • National IR Program Update (20) | Tom Mellin |
| • CalFire Update (25) | Jana Luis |

10:30 am Break (15 min)

10:45 am

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| • Dept. of Interior UAS Update (25) | Brad Koeckeritz |
| • Forest Service Update (20) | Everett Hinkley |
| • Global Validation and Global Fire Regimes (25) | Dr. Luigi Boschetti |

12:00 pm Lunch

1:15 pm Afternoon Session #1 (120 minutes)

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| • Thermal Summit & Alaska Fire Science Consortium
Fire Workshop (25) | C. Kintzley / P. Mead
E. Hinkley |
| • Toward a Unified Fire CONOPS (25) | Led Discussion |
| • Work on the chain from detection to monitoring,
to modeling fire (25) | Tim Ball |
| • Fire & Smoke Model Evaluation Experiment (30)
Upcoming data collection & remote sensing needs | M. Dickinson / R. Ottmar
W. Schroeder |
| • Update: Hawkeye & Enhanced Geospatial Portal (15) | E. Hinkley / Sean Triplett |

3:15 pm Break

3:30 pm Afternoon Session #2 (90 minutes)

- GOES-16 (20) Dr. Chad Gravelle
- Near-Real-Time Detection and Monitoring of Intense Pyroconvection from Geostationary Satellites (25) Dr. David Peterson
- Machine-Learning Mediated Smoke Detection (25) Dr. Carl Pennypacker

5: 00 pm Adjourn for day

6:30 pm Meet for dinner

Day 2 Agenda – Thursday May, 25 2017

8:30 am Meeting start // Location: NASA Conference Center (Bldg. 3)

Morning Presentations (105 minutes)

- Wednesday Recap (10)
- The value of tactical infrared and a Common Operating Picture (25) Mark Zaller
- AFUE (20) Zach Holder
- Linking Remote Sensing and Process-based Hydrological Models to support Post-fire Remediation and Fuels Planning (25) Mary Ellen Miller
- Firesat (25) Mark McBeth / Mike Alvarez

10:15 am Break (15 min)

10:30 am

- DEVELOP Update (20) Jenna Williams
- Xiomass Update (20) John Green

11:15 am Needs Assessment / Fire RQ Matrix (60) Led Discussion
Hinkley / Dickinson / Triplett / Ottmar / Ball

12:15 pm Lunch (1 hour 15 minutes)

1:15 pm Afternoon Talks

- RECOVER Update (20) Keith Weber
- Modular UAS Engineering (20) Robert Dahlgren
- SMAP Applications Update (35) Vanessa Escobar

2:30 pm Action Items and Wrap-up & Adjourn