



Tactical Fire Remote Sensing Advisory Committee

Spring 2022 Agenda (May 18th - 19th)



Eastern

Day 1 - May 18th

	Slot	Start	End		Speaker / Email	Slot
Block 1	Meeting Start					
	1_1	11:00	11:15	Meeting Start: Welcome and Introductions	Vince, Birgit, Everett	0:15
	1_2	11:15	11:35	USFS Fire & Aviation Leadership Perspective on Technology & Future Direction	Zach Holder	0:20
	1_3	11:35	11:55	NASA Applied Sciences Wildfire Program update	David Green	0:20
	1_4	11:55	12:15	Wildland Fire Science Strategic Plan	Paul Steblein	0:20
	1_5	12:15	12:35	NLI Rapid Fire Needs Assessment	Carolyn Vadnais	0:20
	1_6	12:35	13:00	Fire Year Look Ahead	Tom Mellin / Sean Triplett	0:25
		13:00	13:30	Break		0:30
Block 2	2_1	13:30	13:45	Canadian Update (Torchlight & Wildfire Sat)	Josh Johnston / Alan Cantin	0:15
	2_2	13:45	14:00	CALFire Update	T. Chavez / P. Selegue	0:15
	2_3	14:00	14:15	Findings from Feb 22 NASA SWS Workshop	Parimal Kopardekar	0:15
	2_4	14:15	14:30	NOAA Wildfire activities: GEO-XO and the Pathfinder Fire Table Top Exercise (TTX)	Vanessa Escobar	0:15
	2_5	14:30	14:45	Thermal Working Group Update	Win Idle	0:15
			14:45	15:15	Break	
Block 3	3_1	15:15	15:45	Provisioning Remote Sensing Data in Support of Wildland Fire (Technosylva / Interra)	J. Ramirez / B. Collins	0:30
	3_2	15:45	16:00	Decision Support Tools to Improve Wildfire Planning, Response and Collaboration	Steve Ambrose	0:15
	3_3	16:00	16:15	High-resolution, annually updated maps of fire risk based on satellite and meteorological data (TerraPulse)	Joseph Sexton	0:15
	3_4	16:15	16:30	Application of SAR Products for Wildfire Response and Monitoring	Karen An	0:15
	3_5	16:30	16:45	Open Discussion & Wrap Up	Vince, Birgit, Everett	0:15
	16:45	17:00	Everyone		0:15	

Eastern
Start End

Day 2 - May 19th

	Slot	Start	End		Speaker / Email	Slot	
Block 4	Meeting Start						
	4_1	11:00	11:20	Meeting Start: Welcome and Day 1 Recap	Vince, Birgit, Everett	0:20	
	4_2	11:20	11:35	Breaking the Cycle of Community Wildfire Destruction	R. McCreight / G. Calderon	0:15	
	4_3	11:35	11:50	Connecting Fuel Structure to Consumption to Energy Release to Fire Behavior	Tim Ball	0:15	
	4_4	11:50	12:05	The Fire Behavior Assessment Team - ground measurements on wildfires and opportunities for remote sensing	Matt Dickinson	0:15	
	4_5	12:05	12:20	UAS based grass fire metrics measurement	Haiyang Chao	0:15	
	4_6	12:20	12:35	Ember Detection Using Infrared Cameras and Deep Learning	Enis Cetin	0:15	
			12:35	13:05	Break		0:30
	Block 5	5_1	13:05	13:20	ECOSTRESS Fire Applications	Kerry Cawse-Nicholson	0:15
		5_2	13:20	13:35	Quantifying fire-hydrology connections within the NASA Earth Information System (EIS)	S. Kumar	0:15
5_3		13:35	13:50	Wildfire AI: Fast detection and visual confirmation from anywhere	Gilberto DeSalvo	0:15	
5_4		13:50	14:05	TACFI-RS: Tactical Fire Mapping SBIR Phase I Results	Steve Pollard	0:15	
5_5		14:05	14:20	Overwatch: Update on Autonomous Mapping Programs	Greg Davis	0:15	
5_6		14:20	14:35	Open Led Discussion / Round Table	Vince, Birgit, Everett	0:15	
	14:35	14:50	Everyone		0:15		
		14:50	15:15	Break		0:25	
Block 6	6_1	15:15	15:30	Final prototype for the fuel discovery project (follow-up)	Purdue Team	0:15	
	6_2	15:30	15:45	A future space-based wildfire detection concept based on lessons learned from CHIRP	John Fleming	0:15	
	6_3	15:45	16:00	Fire Grand Challenge: Harnessing Open Innovation and Traditional Knowledge for Better Fire Mgmt in the Amazon, the American West, & Indonesia	Marion Adeney	0:15	
	6_4	16:00	16:15	ROGO integrated satellite communications system	Rod Goossen	0:15	
	6_5	16:15	16:30	The Science Behind BreezoMeter's Global Wildfire Tracker Algorithms	Dr. Yvonne Boose	0:15	
	6_6	16:30	16:45	Open Discussion / Wrap Up / Adjourn	Vince, Birgit, Everett	0:15	
	16:45	17:00	Everyone		0:15		

7_1	1st Alternate:	CrowdAI - Fireline Mapping	Robert Miller
7_2	2nd Alternate:	Courtney Aviation Update 2019-2022	Mark Zaller
7_3	3rd Alternate:	Soil Moisture Mapping with UAS	Bill Nickerson
7_4	4th Alternate:	Image to Image Translation & Wildfire Response	Dr. Moskowit

Slides Online https://fsapps.nwcg.gov/nirops/tfrsac_spring_2022