Tactical Fire Remote Sensing Advisory Committee

Fall 2021 Agenda
Day 1 - December 1st

	Slot	PPT		Speaker / Email	YouTube / Time
Block 1	**Meeting Start**				V1: Link
	1_1	link	Meeting Start: Welcome and Introductions	Vince & Everett	V1: 00.00.00
	1_2	noPPT	USFS Fire & Aviation Leadership Perspective on Technology & Future Direction	Mark Lichtenstein	V1: 00.12.00
	1_3	link	NASA Wildland Fire initiative (NASA ESD and ESD/Applied Science)	Barry Lefer / Lawrence Friedl	V1: 00.46.00
	1_4	link	USGEO, USGCRP and ICAMS Rapid Fire EO Assessment	C. Vadnais & G. Snyder	V1: 01.19.00
	1_5	noPPT	OMB Perspective	Grace Hu / Mark Hazelgren	V1: 01.40.00
	1_6	link	Wildland Fire Science Strategic Plan	Paul Steblein	V1: 02.01.00
		Break			V2: Link
Block 2	2_1	link	Fire Season Summary	Tom Mellin	V2: 00.00.00
	2_2	link	NASA ARMD Wildfire Management Workshop - Next Steps	Parimal (PK) Kopardekar	V2: 00.16.00
	2_3	noPPT	Thermal Working Group Update	Win Idle	V2: 00.35.00
	2_4	link	Canadian Torchlight Update / AI activities	Josh Johnston / Alan Cantin	V2: 00.47.00
	2_5	link	Fire and Smoke Model Evaluation Experiment (FASMEE) - Update	Adam Watts	V2: 01.04.00
		link	**Break - NASA In-Time Aviation Safety Management System (VIDEO)**	Russ Wolf	V2: 01:24:31
Block 3	3_1	link	AI / ML Definitions and Caveats - What it is / what it isn't	Jensen Sun	V2: 01.41.00
	3_2	link	NOAA Automated Fire Detection, Alerting, and Characterization	Michael Pavolonis	V2: 02.08.00
	3_3	link	AI - Lawrence Berkeley National Laboratory - Wildfire team	Qing Zhu	V2: 02.27.00
	3_4	link	ML Based Wildfire Detection System	Kinshuk Govil	V2: 02.44.00
	3_5	noPPT	**Open Discussion & Wrap Up**	Ambrosia / Hinkley Everyone	V2: 03.06.00

TFRSAC - Fall 2021 Agenda
Day 2 - December 2nd

	Slot	PPT		Speaker / Email	YouTube / Time
Block 4	**Meeting Start**				V3: Link
	4_1	link	**Meeting Start: Welcome and Day 1 Recap**	Vince & Everett	V3: 00.00.00
	4_2	link	Focus Group on AI for Natural Disaster Management	Dr. M. Kuglitsch	V3: 00.04.00
	4_3	link	Results of ML fusing Camera & Geo-stationary Satellite Networks for Fire Intel.	Ball / Schmidt / Pennypacker	V3: 00.23.00
	4_4	link	Beacon: A machine learning system for real-time wildfire planning at scale	Mendelsohn / Sinha	V3: 00.50.00
	4_5	link	Estimating fire progression from L2 satellite data using SVM-ML technique	Angel Farguell Caus	V3: 01.10.00
			Break		
Block 5	5_1	link	Detecting wildfires at the smouldering stage using ML / AI models	Cherian Mathew	V3: 01.51.00
	5_2	link	RADR-Fire AI/ML automated analysis	Andre Coleman	V3: 02.05.00
	5_3	*Prop*	AI for early detection and georeferencing of fires - update	E. Pineda / Enis Cetin	V3: 02.26.00
	5_4	link	Automated fire perimeter algorithms / Fire Mapping	Greg Denton	V3: 02.45.00
	5_5	link	Artificial Intelligence systems for analysis of on-orbit satellite imagery	Marcel Lariviere	V3: 03.06.00
	5_6	noPPT	**Open Led Discussion on AI**	Ambrosia / Hinkley Everyone	V3: 03.20.00
	5_7	link	**Break - GeoCollaborate Demo**	Dave Jones	V3: 03:45:00 V4: 00:00:00
					V4: Link
Block 6	6_1	Demo	Demo: Pre-suppression/Forest Resilience/Community Wildfire Protection	Allison Wolff / Scott Conway	V4: 00:08:00
	6_2	*Prop*	Decision Support Tool for Forest System Criticality, Risk and Response	Ambrose, Evarts, Timler, & D Jones	V4: 00:26:00
	6_3	link	Fire Fuels Detection - Concept Paper	Purdue Electrical Engineering Team	V4: 00:48:00
	6_4	link	Fire Spyer App	Patrick Wilson	V4: 01:06:00
	6_5	link	Update on Wildland Fire Research at NNU	Dale Hamilton / Cole McCall	V4: 01:16:00
	6_6	noPPT	**Open Discussion / Wrap Up / Adjourn**	Ambrosia / Hinkley Everyone	V4: 01:43:00

Presentation Central Site
https://fsapps.nwcg.gov/nirops/tfrsac_fall_2021

YouTube Links

V1 https://youtu.be/T_dCRumBkuE
V2 https://youtu.be/pswjrsIot4U
V3 https://youtu.be/gLpSbCR6BJg
V4 https://youtu.be/2SvMJDKkjog