

Monday, 12 December 2022

08:00 - 09:00



06:00 - 07:00 PST

[GC11B ALOS-2 Research Synergies I Online Poster Discussion](#)

Online Only

09:00 - 12:30



07:00 - 10:30 PST

[GC12F-0502 Synergizing P/L/C-band SAR to monitor landslides along the U.S. west coast](#) *Yuankun Xu*

McCormick Place - Poster Hall, Hall - A

14:45 - 18:15



12:45 - 16:15 PST

[GC15A-42](#)

[QUAKES-I Airborne Spatial and Temporal Topography and Analysis for Achieving Surface Topography and Vegetation \(STV\) Goals](#) *Andrea Donnellan*

McCormick Place - Poster Monitor 1

[GC15A-46](#)

[Utilizing multiple-frequency SAR observations for monitoring hydrological and ecological characteristics: A study of UAVSAR and AirSWOT airborne data from ABoVE](#) *Jessica V Fayne*

McCormick Place - Poster Monitor 1

15:15 - 15:25



13:15 - 13:25 PST

[H15E-04](#)

[A New Dielectric Imaging Station for Characterizing the Microwave Behavior of Permafrost Active Layer Organic Soil](#) *Kazem Bakian Dogaheh*

McCormick Place - E270

Tuesday, 13 December 2022

09:00 - 12:30



07:00 - 10:30 PST

B22G-1518

Scattering properties of ecosystem structure and composition: Using terrestrial lidar for parameterization in radar scattering models of forests *Nick Steiner*

McCormick Place - Poster Hall, Hall - A

C22E-0800

Airborne SAR (UAVSAR) and machine learning accurately predict snow density *Ahmad Hojatimalekshah*

McCormick Place - Poster Hall, Hall - A

C22E-0804

Evaluating Changes in SWE from 2020–21 NASA UAVSAR with Ground-Penetrating Radar at Cameron Pass, Colorado *Randall Bonnell*

McCormick Place - Poster Hall, Hall - A

C22E-0807

Optimizing InSAR and optical data fusion for tracking changes in snow water equivalent *Jack Tarricone*

McCormick Place - Poster Hall, Hall - A

C22E-0808

Predicting Multi-Polarization Low Frequency SAR Backscatter From Snow Using Machine Learning Models. *Naheem Adebisi*

McCormick Place - Poster Hall, Hall - A

C22E-0809

Quantifying Snow Covered Area and Snow Depth in a Prairie Environment Using UAVSAR Data *Ross Palomaki*

McCormick Place - Poster Hall, Hall - A

C22E-0810 Reynolds Mountain East SnowEx2020 Dataset and Initial Research Findings *Ernesto Trujillo*

McCormick Place - Poster Hall, Hall - A

C22E-0811 Using InSAR in Snow - Uavsar Coherence in the SnowEx Campaigns *Zachary Keskinen*

McCormick Place - Poster Hall, Hall - A

11:05 - 11:15



09:05 - 09:15 PST

NH23C-01 Opportunities of Remote Sensing in Landslide Research *Xie Hu (Invited)*

McCormick Place - E253ab

13:52 - 13:59



11:52 - 11:59 PST

H24E-02

Monitoring Soil Moisture Changes Using Multi-band SAR Over Landslide Regions in California

Eric Jameson Fielding

 *Online Only*

Wednesday, 14 December 2022

09:00 - 10:30



07:00 - 08:30 PST

H32K

Ultra-High Resolution Near-Surface Soil Moisture Products for Hydrology, Agriculture, and Hazard Applications I Oral

 *McCormick Place - E350*

09:27 - 09:39



07:27 - 07:39 PST

B32A-03

Developing a detection and monitoring framework for wildfire regimes with L-Band Polarimetric SAR

Karen An

 *McCormick Place - S405b*

09:30 - 09:40



07:30 - 07:40 PST

H32K-04

Combining UAVSAR Observations from Multiple Incidence Angles for Retrieval of Surface Soil Moisture Over Corn and Soybean Fields *Ponnurangam Gramani Ganesan*

 *McCormick Place - E350*


14:45 - 18:15



12:45 - 16:15 PST


C35E-0919

Avalanches in L-band InSAR imagery during the 2020-21 NASA SnowEx Mission *Hans-Peter Marshall*

 *McCormick Place - Poster Hall, Hall - A*

P35F-1935

Radar Investigations of Tephra and Buried Ice in the Valley of Ten Thousand Smokes, Katmai National Park, Alaska: Implications for Ice and Overburden Characterization on Mars *David M. H. Baker*

 *McCormick Place - Poster Hall, Hall - A*

15:15 - 15:25



13:15 - 13:25 PST

IN35A-04

Data Applications Notebooks with Synthetic Aperture Radar, UAVSAR Data Exploration in Google Colab

Annemarie Peacock

McCormick Place - E252

Thursday, 15 December 2022

09:00 - 12:30



07:00 - 10:30 PST

H42G

Ultra-High Resolution Near-Surface Soil Moisture Products for Hydrology, Agriculture, and Hazard Applications II Poster

McCormick Place - Poster Hall, Hall - A

H42G-1379

A data-driven snapshot algorithm for high-resolution soil moisture retrievals for the upcoming NISAR mission *Preet LAL*

McCormick Place - Poster Hall, Hall - A

09:01 - 09:16



07:01 - 07:16 PST

NS42A-01

NASA's Surface Topography and Vegetation Study and the QUAKES-I/SAR-Fusion instruments: Mapping our Changing Earth in 3D *Andrea Donnellan (Invited)*

McCormick Place - S104b

13:45 - 14:45



11:45 - 12:45 PST

B44C-04

Integration of L-band and C-band SAR data with high resolution optical observation in field crop yield estimation *Natacha Kalecinski*

Online Only

14:00 - 14:15



12:00 - 12:15 PST

H44A-02

Understanding Agroecosystem Dynamics in the Little River Experimental Watershed of Southern Georgia, USA: Incorporating UAVSAR AMPM Airborne Campaign Data with Landscape Measurements *Alisa Coffin*

Online Only

14:45 - 18:15



12:45 - 16:15 PST

IN45D-0387

Getting the MOST from UAVSAR: Near-Real-Time Products for Oil Spill Response *Cathleen E Jones*

McCormick Place - Poster Hall, Hall - A

NS45A-0317

Too many trees? Finding the point where vegetation density obscures valid deformation measurements using polarimetric InSAR *Elizabeth Wig*

McCormick Place - Poster Hall, Hall - A

15:49 - 15:59



13:49 - 13:59 PST

B45C-07

Tracking dynamic wetland vegetation communities after a flood event with airborne AVIRIS-NG, UAVSAR, UAV LiDAR, and PlanetScope data in Peace-Athabasca Delta *Chao Wang*

McCormick Place - S501a

Friday, 16 December 2022

14:45 - 18:15



12:45 - 16:15 PST

GC55K-0360

Thermokarst processes observed by remote sensing and ground surveys at intact and disturbed tundra on the North Slope, Alaska *Go Iwahana*

McCormick Place - Poster Hall, Hall - A

16:50 - 17:18



14:50 - 15:18 PST

U56A-01

Advances in Remote Sensing of the eEarth's Surface: Past, Present, and Future *Andrea Donnellan* (Invited)

 *McCormick Place - N427A-D*
