

DRONES AND SHALLOW SUBSURFACE CHARACTERIZATION

-PANEL SESSION-
FOUR(4) INVITED UAV INDUSTRY EXPERTS
MARCH 22nd, 2022
Hilton City Center
Denver, Colorado

A panel discussion on the current state of the practice and future developments in the application of small unmanned aerial systems for geophysical characterization of the shallow subsurface also known as the “near surface”.

Topics & Panelists

Introduction – *Bill Barkhouse – Drone Geoscience*

Description of topics & introduction of the panelists \ bios.

Unmanned Aerial Systems – *Jack Elston, Ph.D., Black Swift Technologies*

An overview of the current state of the art of drone technology for collecting geoscientific data with specific focus on geophysical measurements applied to characterizing the near surface.

Sensors – *Richard A. Krahenbuhl – Dept. of Geophysics – CSM*

A review of the current state of the art of sensor technology for geophysical characterization of subsurface.

Data – *Ron Bell – Drone Geoscience*

Insights in the issues and challenges with geophysical data collected via a drone including data management and the application of machine learning and artificial intelligence.

Regulations & BVLOS – *Vic Moss – Drone Service Provider Alliance (DSPA)*

Report on the recent and expected changes in FAA regulations governing the operation of small UAS with insights into the changes allowing beyond visual line of sight (BVLOS) flight operations.

Summary Review \ Q&A – *Tim Rathmann – Drone Geoscience*

A brief review of the key points and information provided by the panelists followed by a Q&A session where the audience is encouraged to ask questions of the panel.

Co-moderators:

Bill Barkhouse, CEO – Drone Geoscience; bill@dronegeosci.com

Tim Rathmann, Business Operations Manager – Drone Geoscience; tim@dronegeosci.com



Unmanned Aerial Systems



Jack Elston, Ph.D - Founder/CEO
Black Swift Technologies

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Sensors



Richard A. Krahenbuhl
Dept. of Geophysics - Colorado School of Mines

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Data



Ron Bell - Senior geoDRONEologist
Drone Geoscience

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Regulations & BVLOS



Vic Moss - COO/Vice President
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Click the link to register:

<https://www.eegs.org/sageep-2022-registration-information>

