

TRANSPORTATION RESEARCH BOARD
99th ANNUAL MEETING TRANSPORTATION RESEARCH BOARD
AKG 10(1) - SUBCOMMITTEE ON ROCKFALL MANAGEMENT
7:30 P.M. - 10:00 P.M., SUNDAY, JANUARY 12, 2020

MEETING MINUTES

The meeting was convened in the Marriott Marquis Cherry Blossom (Mezz) MM, Washington, D.C., at 7:30 P.M. Sunday, January 12, 2020. Fifty-five (55) people signed the attendance sheet that follows.

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1. INTRODUCTIONS

The meeting began with self-introductions. This year's agenda was discussed. No changes were proposed.

2. 2019 MINUTES

The 2019 minutes were accepted.

3. SUMMARY PAST SUBCOMMITTEE AND RELATED ACTIVITIES

- Tim Shevlin provided summary of the 2019 HGS in Portland, Oregon which had 189 Attendees.
- Jean Hutchinson provided a presentation on Developing and Calibrating Fragmental Rockfall Models using Physics Engines Pooled Fund.

- Darren Beckstrand provided a presentation on Managing Highway Rock Slope Scaling.

4. SUMMARY OF FUTURE SUBCOMMITTEE AND RELATED ACTIVITIES

- 2020 Engineering Geology Committee Meeting AFP10 Ty Ortiz
- 2020 AFP10(2) Advances in Landslides, Analysis, and Control Brent Black
- 2020 Highway Geology Symposium – Asheville, N.C. John Pilipchuck/Krystle Pelham

5. PRESENTATIONS

Three informative presentations were given that included:

1. *Slide Ridge Debris Flows.* Robert Kimmerling
2. *Using Drones for Geohazard Management in Colorado.* Randy Post
3. *Geohazards Industry Center - AGHP.* Ahren Bichler

6. ROCKFALL RESEARCH NEEDS AND FUTURE SESSION TOPICS

Fragmentation of Rockfall Workshop

Further Discussion of a workshop or pooled fund study.

Research Needs Statement (RNS)

- Ongoing work with Rockfall Fragmentation Modeling.
- Drone Synthesis – How are DOT’s and Agencies using Drones and technologies?
- Partnering with Drones and Photogrammetry.
- Debris Flow Synthesis - How are DOT’s and Agencies using Debris Flow technologies and tools? Characterize Mobility of Soils, related Soil Moisture, Resiliency. Use AEG as basis for Debris Flows
- Rock Scaling Guidelines – does more need to be done? Training sessions?
- Geologic Data Web Based Location. Instrumentation, inclinometer, borings, etc.

10. ADJOURNMENT

The meeting was adjourned with further discussion occurring after 10 P.M.