

The 8th International Ice Drill Symposium



Contribution ID: 49

Type: **Oral**

Rapid Air Movement Drill Upgrade

Tuesday 1 October 2019 17:00 (20 minutes)

Significant upgrades to the Rapid Air Movement (RAM) Drill were developed and tested in 2018 by the U.S. Ice Drilling Program (IDP) for the U.S. National Science Foundation (NSF). The design of the system leverages the existing infrastructure of the RAM Drill to greatly reduce the logistical burden of deploying the drill while maintaining the ability to drill an access hole in firn and ice to 100m in 20 minutes or less. In this presentation, characteristics of the drill are described, along with a description of the drill performance in the testing at Raven field camp in Greenland.

Author: Mr GIBSON, Christopher (University of Wisconsin-Madison)

Co-authors: Mr BOECKMANN, Grant (University of Wisconsin-Madison); Mr KUHL, Tanner (University of Wisconsin-Madison); Mr JETSON, Joshua (University of Wisconsin-Madison)

Presenter: Mr GIBSON, Christopher (University of Wisconsin-Madison)

Session Classification: Session 4