



UAS at UTK: Drones for Research

Brown Bag Lunch
Seminar Series

The **Spatial Analysis Lab (SAL)** at **NIMBioS** hosts a series of seminars focusing on the use of Unmanned Aerial Systems (UAS) use at UTK. The format is a casual brown bag lunch with a short talk followed by a question/answer period. The series is organized by Eric Carr (NIMBioS) and Mona Papeş (EEB).

"Unmanned aerial vehicle studies of terrestrial analogs for Mars"

Dr. Jeff Moersch, Earth & Planetary Sciences, UTK

12:15 p.m., April 13, 2018

**@NIMBioS, Hallam Auditorium (Room 206)
Claxton Education Building**

Terrestrial analogs are places on Earth that share one or more important geologic or astrobiologic characteristics with features found on other planets. In-depth studies of such relatively-accessible locations are useful because they provide a better understanding of the processes that may have been active on other planets, and also because they help us refine our exploration strategies for future planetary missions. Dr. Moersch has worked on terrestrial analog studies related to Mars for the past 20 years using traditional geologic field techniques and recently has added the use of unmanned aerial vehicles (UAVs, or "drones") to his approach. In this talk, he will discuss the added value that UAVs bring to this type of work, with examples from terrestrial analog sites in the high Arctic, the Atacama Desert and Altiplano of Chile, the Mojave Desert, and Iceland.

For more information, visit www.nimbios.org/SAL/uas-seminars

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