

The DarkNESS CubeSat: demonstrating space-based imaging with skipper-CCDs

Speaker: Nate Saffold

- DarkNESS will deploy skipper-CCDs on a 6U CubeSat to search for dark matter and advance the Technology Readiness Level of skipper-CCDs for space-based imaging.
- The CubeSat will house four 1.3 Mpix skipper-CCDs that will be biased and readout using a small-format Low Threshold Acquisition (LTA) board.
- The poster will describe the DarkNESS instrument and science goals, the challenges of adapting skipper-CCDs to space-based imaging, and the current status and timeline of the DarkNESS mission.

