

## AccessBrookhaven: Sensors, Electronics & Systems

Hosted by Brookhaven National Laboratory  
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### Keynote Speaker



#### **JUSTINE HAUPT**

*Scientific Associate, Instrumentation Division*

Justine Haupt is an instrument developer and was a primarily contributor to the sensor development effort for the Vera Rubin Observatory, a dark matter and dark energy cosmology survey telescope in Chile.

She's a PI for the Free Space Optical Link for Entangled Photon Distribution Over Long Distances, an over-the-air optical relay between Brookhaven Laboratory and Stony Brook University to entangle single photons between the two facilities for the LIQuIDNet quantum information network.

She's also an ongoing contributor and drone pilot for a 4-dish 21cm cosmology demonstration radio telescope (the Baryon Mapping Experiment). Her competencies span optical, mechanical, and Electrical engineering.

Justine is the Research Director at Custer Observatory in Southold, NY, and founding owner of Sky's Edge, an opensource technology company specializing in telecommunications and robotics. In 2014 she was named that year's Rising Engineering Star by Mouser Electronics and Design News Magazine.