Our mission is to develop technologies for subsystem necessary for a future CubeSat. Project BaDSTAR II consists of the development of a hybrid gravity-gradient boom system, testing system for viscous fluid dampening, and data acquisition/communications to collect and transmit real-time data.

Electronics Team
To build a control system for communication, data acquisition/collection on telemetry systems, on-demand image transfer, Hybrid boom deployment sensor, vibration dampener sensors

Rotational Dampening Team
We will design a rotational dampening system (RDS) to analyze viscous fluid for rotational damping abilities for a future CubeSat.

Gravity-Gradient Boom Team
To successfully employ a Hybrid gravity gradient boom system (GGB). The intent is to reduce overall size and weight.

Background courtesy by Dr. Doug