Registration Form

TEAM INFORMATION

Team Name/Project Title: Rocket Lynx

Department: Mechanical Engineering Department

Faculty Advisors: Douglas Gallagher, Joseph Cullen

Team Members: Mark Anderson, Joseph Heltmes, Andrew Frederick, Alexander Hassell, Dan Green, Ryan Klein

PROJECT INFORMATION

Description:

Description: We are the propulsion team of Rocket Lynx with the goal of developing a Hybrid rocket engine.

Abstract:

We are the rocket propulsion team of Rocket Lynx. Our goal is to develop a hybrid rocket engine that will perform predictably for the implementation in a launch vehicle for the future. We are using nitrous oxide and HTPB for liquid oxidizer and solid fuel. This year we have begun developing the engine and will perform a static test fire in the spring of 2019. We are expected to get between 600 and 1000 Ns of impulse. This should be achieved will a little less than ½ of a kg. This is ultimately a step in the direction of a developing an engine that can take a launch vehicle to 30,000 ft.