Launch Vehicle Propulsion Virtual Training Course

October 25 – 27, 2021

Due to COVID-19, this training course will be held virtually with a minimal registration fee. To enhance the virtual experience and encourage participant interactions, instruction will be through a live video feed and the course will be limited to 30 applicants.

Course Overview
This introductory course covers the liquid propellant system design and analysis for launch vehicles. By focusing on the propellant system upstream of the turbopump, the course includes topics of feedline dynamics, pressurization systems, liquid sloshing, propellant management, and propellant system modeling. Practical exercises are used throughout the course to re-enforce the material and virtual facility tours provide exposure to SwRI’s test facilities. Instruction is provided by experienced SwRI staff.

Cost
The short course cost is $249 USD.

Registration includes course instruction, training materials, and participation in classroom exercises.

Course Topics
• Introduction to the engine and propellant system
• Liquid Propellant Feedline Dynamics
• Propellant Pressurization Systems
• Liquid Propellent Management
• In-Flight Propellant Dynamics and Sloshing

For more information, please contact:
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