

**UNIVERSITY OF TURKISH AERONAUTICAL ASSOCIATION  
GRADUATE SCHOOL OF AERONAUTICS AND ASTRONAUTICS  
AEROSPACE ENGINEERINGPROGRAM**

**GRADUATE SEMINAR SERIES**

**HYBRID POWERED LUNAR LANDING PROGRAM**

**by**

**Deniz Eray Badan**

This seminar on Moon Landing Program with a Hybrid Engine explores the integration of hybrid propulsion systems in spacecraft for lunar missions. This seminar focuses on enhancing rocket efficiency, combining traditional liquid or solid propellants with alternative technologies. Rocket design, propulsion system optimization, and spacecraft engineering to improve lunar surface access will be explained. Key elements include the development of innovative hybrid propellant systems, addressing challenges in space transportation, and contributing to the advancement of aerospace engineering. The seminar aims to contribute to the broader field of space exploration by innovatively leveraging hybrid rocket technologies for efficient and successful lunar missions.

Date: January 23, 2024 Tuesday

Time: 15:00

Location: 102 Amfi