

Session Program

May 5 - 9, 2025

9th IAA PLANETARY DEFENSE CONFERENCE 2025

***Poster Session 1: Hypothetical Threat Exercise Technical
Session***

STELLENBOSCH, CAPE TOWN, SOUTH AFRICA
Protea Hotel by Marriott® Stellenbosch

Mon, May 5

6:00 PM

Poster Session 1: Hypothetical Threat Exercise Technical Session: Posters - Session 1: Hypothetical Threat Exercise Technical Session

Poster Session | Location: STELLENBOSCH, CAPE TOWN, SOUTH AFRICA, Protea Hotel by Marriott® Stellenbosch

Nuclear Electric Propulsion for Planetary Defense

Speaker
Steven Oleson

Trajectory optimization for deflection of asteroid 2024 PDC25 using genetic algorithms and departure via lunar swing-bys

Speaker
Rebeca Ribeiro

Using the NEO Size-Frequency Distribution in Probabilistic Assessments

Speaker
Andrew Rivkin

LAMB WAVE DRIVEN TSUNAMI DAMAGE QUANTIFICATION ALONG THE 2025 PDC RISK CORRIDOR

Speaker
Mark Boslough

Exhaustive search of gravity assist trajectories for rapid reconnaissance and deflection of fictitious asteroid PDC2025

Speaker
Miguel Gavira-Aladro

CONCEPT OF OPERATIONS FOR A RENDEZVOUS RECONNAISSANCE MISSION TO AN IDENTIFIED ASTEROID THREAT: THE FIRST STEP TOWARDS DEFLECTION

Speaker
Dhanisha Sateesh

Impulsive and Slow-push Mitigation Options for 2025 PDC Hypothetical Asteroid Impact Scenario

Speakers
Yirui Wang, Prof. Jinglang Feng

9:00 PM