

Session Program

May 5 - 9, 2025

9th IAA PLANETARY DEFENSE CONFERENCE 2025

Session 1: Hypothetical Threat Exercise Technical Session

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

Tue, May 6

9:05 AM

<p>Session 1: Hypothetical Threat Exercise Technical Session: Session 1: Hypothetical Threat Exercise Technical Session</p> <p>Session Location: STELLENBOSCH, CAPE TOWN, SOUTH AFRICA, Protea Hotel by Marriott® Stellenbosch</p>	
<p>9:05 – 9:13 AM</p>	<p>The international response of space agencies to the PDC 2025 exercise - the 'SMPAG exercise' - lessons learned</p> <p>Speaker Prof. Detlef Koschny</p>
<p>9:13 – 9:21 AM</p>	<p>Overall Results of the SMPAG Work Package on Mission Scenarios in Response to the 2025 Planetary Defense Conference Hypothetical Asteroid Impact Threat Scenario</p> <p>Speaker Juan Luis Cano</p>
<p>9:21 – 9:29 AM</p>	<p>NASA Analysis of Space Mission Options for the 2025 Planetary Defense Conference Hypothetical Asteroid Impact Threat Scenario</p> <p>Speaker Brent Barbee</p>
<p>9:29 – 9:37 AM</p>	<p>Retasking In-flight Spacecraft for Rapid Response Reconnaissance in Planetary Defense Exercises</p> <p>Speaker Justin Atchison</p>
<p>9:37 – 9:45 AM</p>	<p>ANALYSIS OF ASTEROID DEFLECTION MISSION OPTIONS FOR THE 2025 PLANETARY DEFENSE CONFERENCE HYPOTHETICAL ASTEROID IMPACT THREAT SCENARIO BY THE ITALIAN SPACE AGENCY DELEGATION AT SMPAG</p> <p>Speakers Mr Saverio Franzese, Ms Elena Basile</p>
<p>9:45 – 10:05 AM</p>	<p>Q&A / Discussion</p>
<p>10:05 – 10:30 AM</p>	<p>COFFEE BREAK</p>
<p>10:30 – 10:38 AM</p>	<p>ESA NEOCC: Impact Assessment of 2024 PDC25</p> <p>Speaker Laura Faggioli</p>
<p>10:38 – 10:46 AM</p>	<p>The effect of prior knowledge on planetary defense scenario risk assessments</p> <p>Speaker Jessie Dotson</p>
Empty row for the final time slot	

10:46 – 10:54 AM

Uncertainty Effects from an Asteroid Risk Assessment Perspective for the PDC25 Impact Scenario

Speaker

Ashley Coates

10:54 – 11:02 AM

Simulation of PDC 2025 Asteroid Entry, Terrestrial Impacts, Hazard and Consequences with Emphasis on South Africa’s Stellenbosch & False Bay Communities

Speaker

Souheil Ezzedine

11:02 – 11:10 AM

Multi-Parameter Monitoring of the Potential Impact of the Exercise Asteroid

Speaker

Rudolf Albrecht

11:10 – 11:30 AM

Q&A / Discussion

11:30 AM