

**Session Program**

May 5 – 9, 2025

**9th IAA PLANETARY DEFENSE CONFERENCE 2025**

***Session 5: Near-Earth Object (NEO) Characterization***

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

## Wed, May 7

1:35 PM

**Session 5: Near-Earth Object (NEO) Characterization: Session 5: Near-Earth Object (NEO) Characterization**

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

**1:35 – 1:45 PM IAWN Planetary Defense Campaigns****Speaker**

Michael S. Kelley

**1:45 – 1:55 PM JWST As a Tool for Early Characterization of Potential Impactors****Speaker**

Andrew Rivkin

**1:55 – 2:05 PM Follow-up Activities and Developments from ESA's Planetary Defence Office****Speaker**

Marco Micheli

**2:05 – 2:15 PM Status of Near-Earth Asteroid Radar Observations at Goldstone****Speaker**

Lance Benner

**2:15 – 2:25 PM****The Rapid-Response Fully-Automated NEA Follow-Up Program with the SAAO's 1-m Lesedi Telescope****Speaker**

Thobekile Sandra Ngwane

**2:25 – 2:35 PM Investigation of Near-Earth Objects Using the 1.88m Telescope at NRIAG, Egypt****Speaker**

Ahmed Moursi

**2:35 – 3:00 PM COFFEE BREAK****3:00 – 3:10 PM Characterization of High Priority NEOs from the 4.3-m Lowell Discovery Telescope (LDT)****Speaker**

Nicholas Moskovitz

**3:10 – 3:20 PM****Measuring the Menace: Advances in Determining the Size of Hazardous Near-Earth Objects****Speaker**

Maxime Devogele

**3:20 – 3:30 PM Physical Characterization of Potentially Hazardous Asteroid (1566) Icarus****Speaker**

Eric MacLennan

**3:30 – 3:40 PM Tidal disruptions increase the number of asteroids on Earth-crossing orbits**

**Speaker**  
Prof. Mikael Granvik

3:40 – 3:50 PM **A Near-Earth Object Model Calibrated to Earth Impactors**

**Speaker**  
Sophie E. Deam

3:50 – 4:00 PM

**Review of instrumentally recorded meteorite falls as geological hand specimens of asteroid families**

**Speaker**  
Peter Jenniskens

4:00 PM