

Session Program

May 5 – 9, 2025

9th IAA PLANETARY DEFENSE CONFERENCE 2025

Poster Session 4: Near-Earth Object (NEO) Discovery

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

Mon, May 5

6:00 PM

Poster Session 4: Near-Earth Object (NEO) Discovery: Posters - Session 4: Near-Earth Object (NEO) Discovery

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

Capabilities of Independent Company 6ROADS Through a Global Network of Telescopes and Innovative Sensors

Speaker
Mr Michał Żoźnowski

CONVOLUTIONAL NEURAL NETWORKS TO IMPROVE THE DISCOVERY OF NEAR-EARTH ASTEROIDS IN THE ZWICKY TRANSIENT FACILITY

Speaker
Belén Yu Irureta-Goyena

DISCOVERING NEAR-EARTH ASTEROIDS WITH THE BOK NEO SURVEY

Speaker
Melissa Brucker

System of Observation of Daytime Asteroids (SODA)

Speaker
Andrey Shugarov

Measuring Asteroid Distances from a Single Observatory in One Night with Upcoming All-Sky Telescopes

Speaker
Ms Maryann Benny Fernandes

NON-GOVERNAMENTAL NEO DISCOVERY INTERNATIONAL PROGRAMS INCLUDING THE ASTROMETRICA SOFTWARE

Speaker
Nancy C. Wolfson

POTENTIALLY HAZARDOUS ASTEROIDS AND TUNGUSKA-SIZED OBJECTS IN THE TAURID RESONANT SWARM

Speaker
Quanzhi Ye

Assessing the Vulnerabilities of the Meerkat Asteroid Guard

Speaker
Charlie Drury

Near-Earth Object (NEO) Discovery

Speaker
Mr Kibrop Webber

NEAR-EARTH OBJECT (NEO) SURVEYOR DEVELOPMENT - CHALLENGES AND OPPORTUNITIES IN SUPPORT OF PLANETARY DEFENSE

Speaker
Gabe Loftusa

NEA observations with the World's Biggest Schmidt Telescope

Speaker
Bringfried Stecklum

Real-time Discovery of Near-Earth Objects via Accelerated Image Analysis with AI Methods

Speaker
Mr Szabolcs Velkei

PRE-IMPACT DETECTION OF CHELYABINSK-TYPE OBJECTS IN THE THERMAL INFRARED

Speaker
Thomas Mueller

Rapid Pre-discovery of Near-Earth Objects

Speaker
Tam Nguyen

Current Status of ESA's Flyeye Telescopes

Speaker
Dora Fohring

Machine Learning assisted NEO Discovery and Polarimetric Characterization with Astronomical Surveys

Speaker
Gijs Verdoes Kleijn

ATLAS-Teide: A Modular and Cost-Effective Upgrade to the ATLAS network

Speaker
Javier Licandro

NEO DETECTION USING IMAGE STACKING METHOD IMPLEMENTED IN CELESTIAL COORDINATES

Speaker
Diana Haritonova

SSAU'S ACTIVITIES IN NEO OBSERVATIONS IN 2019-2024

Speaker
Dr Oleksandr Kozhukhov

9:00 PM