Day 1 - 6 August 2024

DAY 1: Morning Session – Fast Follow-Up and Global Telescope Networks

(chairs: Amanda Sickafoose and Federica Spoto)

start	end				
10:30:00 AM	**10:50:00 AM**	**Elisabetta**	**Dotto**	**Fast-reaction follow-up and global networks of telescopes (invited)**	Virtual
10:50:00 AM	11:00:00 AM	Nataša	Todorović	The possible contribution of telescopes in Southeastern Europe to large asteroid surveys	In person
11:00:00 AM	11:10:00 AM	Yurij	Krugly	Photometric monitoring of near-Earth asteroids	Virtual
11:10:00 AM	11:20:00 AM	Nicolas	Erasmus	Exploring Capabilities: Characterising Solar System Objects with SAAO Telescopes	In person
11:20:00 AM	11:30:00 AM	Sofiia	Mykhailova	Spectroscopy of primitive asteroids with the Southern African Large Telescope	Virtual
11:30:00 AM	11:40:00 AM	Ahmed	Moursi	Search and study of the Near-Earth Orbit within ground-based optical telescopes at NRIAG-Egypt	In person
11:40:00 AM	11:50:00 AM	Jana	Ticha	Near Earth Objects Follow-up Astrometry at Klet Observatory – 30 years of experience in Central Europe	In person
11:50:00 AM	12:00:00 PM	Dusan	Marceta	Evaluating the LSST's Capability to Detect Interstellar Objects that can be Followed-up with the Milankovic Telescope	In person

DAY 1: Afternoon Session 1 – Exciting Upcoming Surveys: the MPC and Alert Streams

(chairs: Marco Micheli and Nicolas Erasmus)

start	end				
1:30:00 PM	**1:50:00 PM**	**Myung-Jin**	**Kim**	**NSOS-α: The First Korean Asteroid Survey Telescope (invited)**	In person
1:50:00 PM	**2:10:00 PM**	**Luca**	**Conversi**	**NEOMIR: ESA'S SPACE-BASED NEO INFRARED MISSION (invited)**	In person
2:10:00 PM	2:20:00 PM	James M.	Bauer	Planetary Science with the SPHEREx 0.7 – 5.0 μm Solar System Object Catalog	In person
2:20:00 PM	**2:40:00 PM**	**Federica**	**Spoto**	**Minor Planet Center: preparing for the increased flux of discoveries expected from LSST (invited)**	In person
2:40:00 PM	2:50:00 PM	David	Trilling	The Solar System Notification Alert Processing System (SNAPS)	Virtual
2:50:00 PM	3:00:00 PM	Colin	Snodgrass	The Adler alert system for Solar System transients	In person

DAY 1: Afternoon Session 2 – Tools, Large Datasets and Science with Large Datasets

(chairs: James Bauer and Hee-Jae Lee)

start	end				
3:30:00 PM	**3:50:00 PM**	**Milagros**	**Colazo**	**Large photometric database and application to asteroid data from multiple space- and ground-based surveys (invited)**	In person
3:50:00 PM	4:00:00 PM	Nick	Moskovitz	The astorb database at Lowell Observatory: Enabling Science in the Era of Big Data	Virtual
4:00:00 PM	4:10:00 PM	Tobias	Hoffmann	DePhOCUS: a Statistics-based Correction Scheme for astro-Photometric Observations	In person
4:10:00 PM	4:20:00 PM	Josef	Durech	On the importance of combining photometric data sets for asteroid light curve inversion	In person
4:20:00 PM	4:30:00 PM	Alex	Gibbs	Prioritizing and Coordinating NEO Follow-up with NEOfixer in the Era of Large Discovery Surveys	Virtual
4:30:00 PM	4:40:00 PM	Siegfried	Eggl	Rubin Rocks:An online tool for assessing the dynamical evolution of near-Earth asteroids in the age of LSST.	In person
4:40:00 PM	4:50:00 PM	Dmitrii	Vavilov	Near-Earth asteroid follow-up and precovery with uncertainty analysis	In person
4:50:00 PM	5:00:00 PM	Kai	Tang	Error analysis for rotating-drift-scan charge-coupled device observation of near-Earth asteroids	In person

Day 2 - 8 August 2024

DAY 2: Morning Session 1 – Small Body Science using LSST and Other Survey-like Data

(chairs: Nicolas Erasmus and Susanne Pfalzner)

start	end				
10:30:00 AM	**10:50:00 AM**	**Zeljko**	**Ivezic**	**Rubin's LSST: opportunities for small-body science from a large-scale Solar System survey (invited)**	In person
10:50:00 AM	11:00:00 AM	Jean-Luc	Margot	Determination of Nearly 32,500 Asteroid Rotation Periods from WISE Data	Virtual
11:00:00 AM	11:10:00 AM	Andrew	Rivkin	The Surprising Spectral Diversity of Low-Albedo Asteroids	In person
11:10:00 AM	11:20:00 AM	Hee-Jae	Lee	Investigating Asteroids Shape and Spin State from KMTNet and Gaia Light Curves	In person
11:20:00 AM	11:30:00 AM	Thobekile	Ngwane	Automated Rapid Follow-up Observations and Taxonomic Characterization of Near-Earth Asteroids using the robotic Lesedi Telescope	In person
11:30:00 AM	11:40:00 AM	Marcello	Fulchignoni	THE CONTRIBUTION OF BVRI PHOTOMETRY IN CHARACTERIZING THE NEA POPULATION	In person
11:40:00 AM	11:50:00 AM	Xavier	Inosencio	Characterization of analogous objects to Earth's mini-moons: the case of 1990 UQ and 2022 NX1	In person
11:50:00 AM	12:00:00 PM	Marco	Micheli	Observational activities and results of ESA's Planetary Defence Office	In person

DAY 2: Afternoon Session 1 – Observations of Faint/Distant Targets: Beyond Visible Wavelengths

(chairs: Anne Verbiscer and Milagros Colazo)

start	end				
1:30:00 PM	**1:50:00 PM**	**Javier**	**Licandro**	**Enhancing LSST Solar System Discoveries: The Critical Role of 10-m Class Telescope Follow-ups (invited)**	Virtual
1:50:00 PM	2:00:00 PM	Bryce	Bolin	Constraints on the compositional gradient of the trans-Neptunian disk with visible and near-infrared colours of Neptunian Trojans	TBC
2:00:00 PM	2:10:00 PM	Anne	Verbiscer	The New Horizons Search for Targets in the Outer Solar System: Follow-up Observation Results and Future Plans	In person
2:10:00 PM	2:20:00 PM	Susanne	Pfalzner	A stellar flyby explains multiple small-body properties in the solar system	In person
2:20:00 PM	**2:40:00 PM**	**Noemi**	**Pinilla-Alonso**	**Dawning of a New Era: Understanding Ices in the Solar System with the James Webb Space Telescope (invited)**	Virtual
2:40:00 PM	2:50:00 PM	Joseph	Lazio	Ground-Based Radar Observations of Near-Earth Asteroids	In person
2:50:00 PM	3:00:00 PM	Shinji	Horiuchi	Southern Hemisphere Asteroid Radar Program (SHARP)	In person

DAY 2: Afternoon Session 2 – Active Bodies

(chairs: Andy Rivkin and Amanda Sickafoose)

start	end				
3:30:00 PM	**3:50:00 PM**	**Henry**	**Hsieh**	**Rapid detection and characterization of active small solar system bodies in the LSST era (invited)**	Virtual
3:50:00 PM	4:00:00 PM	Gonzalo	Tancredi	Transitional objects among asteroids and comets monitored through archival images from large surveys	In person
4:00:00 PM	4:10:00 PM	Ian	Wong	Follow-up studies of active solar system objects in the LSST era	Virtual
4:10:00 PM	4:20:00 PM	K	Aravind	Unveiling Cometary Composition: Importance of Spectroscopic Follow-up in the Era of Large Discovery Surveys	In person
4:20:00 PM	4:30:00 PM	Teddy	Kareta	Near Jupiter Comets: Activity and Characterization in the Rubin/LSST Era	Virtual
4:30:00 PM	4:40:00 PM	Said	Hmiddouch	The dust and gas production rates: monitoring of Long-period comets (LPC) and Dynamically new comets (DNC) with TRAPPIST telescopes.	In person
4:40:00 PM	4:50:00 PM	Gulchehra	Kokhirova	PHOTOMETRIC PROPERTIES OF ACTIVE ASTEROID 248370 (2005 QN173) FROM OBSERVATIONS IN SLOVAKIA AND TAJIKISTAN	In person
4:50:00 PM	**5:00:00 PM**		**Erasmus & Sickafoose**	**FM wrap up**	

Posters Day 1:	***Small bodies posters 1: Followups, Meteors, and Outer SS***				
start	end				
3:00:00 PM	**3:30:00 PM**	Cyrielle	Opitom	LSST follow-up with VLT/CUBES	In person
		James M.	Bauer	A Lunar Comet/Asteroid Spectroscopy Telescope (LCAST) – Automated Operations	In person
		Siegfried	Eggl	GRSS: AN OPEN-SOURCE TOOL FOR HIGH PRECISION ASTEROID ORBIT DETERMINATION AND ORBIT PROPAGATION	In person
		Simone	SACQUEGNA	Early-stopping SOMs as a tool to classify SSOs in space surveys	In person
		Marina	Ishchenko	The Milky Way Globular Clusters: guests in the Oort cloud system on cosmological time scale.	Virtual
		Amanda	Sickafoose	Stellar Occultations by Bodies in the Outer Solar System	In person

Posters Day 2:	***Small bodies posters 2: Asteroids to Comets***				
start	end				
10:00:00 AM	**10:30:00 AM**	Colin	Snodgrass	Feedback Session: Summary of the ESO-LSST workshop in Garching	In person
start	end				
3:00:00 PM	**3:30:00 PM**	Kale	Boyes	Taxonomic classification of asteroids in the ATLAS database using machine learning	In person
		Іван (Ivan)	Слюсарев (Slyusarev)	A contemporary view on M-type asteroids	Virtual
		Doris	Daou	THE INTERNATIONAL YEAR INITIATIVE FOR PLANETARY DEFENCE, 2029.	In person
		Omri	Scannell	Searching for Signs of Asteroid Activity in ATLAS Data	In person
		Marcos	Voelzke	ARE THE DIAMAGNETIC CAVITIES RELATED TO THE OUTBURSTS IN COMET 67P/CHURYUMOV-GERASIMENKO?	In person
		Tobias	Hoffmann	Robotic NEO follow-up observation pipeline based on open-source software	In person