

## Day 1 - 6 August 2024

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

| start       | end         |            |           |   | Registration Type (as of 2024/06/04) |
|-------------|-------------|------------|-----------|---|--------------------------------------|
| 10:30:00 AM | 10:50:00 AM | Elisabetta | Dotto     | Fast-reaction follow-up and global networks of telescopes (invited)   | TBC                                  |
| 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 | Yuriy      | Krugly    | Photometric monitoring of near-Earth asteroids  | Virtual                              |
| 11:10:00 AM | 11:20:00 AM | Alessandro | Nastasi   | The follow-up resources of the GAL Hassin center - a network of wide-field telescopes in Sicily                       | In person                            |
| 11:20:00 AM | 11:30:00 AM | Ahmed      | Moursi    | Search and study of the Near-Earth Orbit within ground-based optical telescopes at NRIAG-Egypt                        | In person                            |
| 11:30:00 AM | 11:40:00 AM | Milos      | Tichy     | Near Earth Objects Follow-up Astrometry at Klet Observatory – 30 years of experience in Central Europe                | In person                            |
| 11:40:00 AM | 11:50:00 AM | Nicolas    | Erasmus   | Exploring Capabilities: Characterising Solar System Objects with SAAO Telescopes                                      | 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

| start      | end        |           |           |   |           |
|------------|------------|-----------|-----------|---|-----------|
| 1:30:00 PM | 1:50:00 PM | Myung-Jin | Kim       | NSOS- $\alpha$ : 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)  | TBC       |
| 2:10:00 PM | 2:20:00 PM | James M.  | Bauer     | Planetary Science with the SPHEREx 0.7 – 5.0 $\mu$ m Solar System Object Catalog                  | TBC       |
| 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)                                     | TBC       |
| 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

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

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

| start      | end        |                |                |   |           |
|------------|------------|----------------|----------------|---|-----------|
| 3:30:00 PM | 3:40:00 PM | Javier         | Licandro       | Enhancing LSST Solar System Discoveries: The Critical Role of 10-m Class Telescope Follow-ups (invited)                           | Virtual   |
| 3:40:00 PM | 3:50:00 PM | Bryce          | Bolin          | Constraints on the compositional gradient of the trans-Neptunian disk with visible and near-infrared colours of Neptunian Trojans | TBC       |
| 3:50:00 PM | 4:00:00 PM | Anne           | Verbiscer      | The New Horizons Search for Targets in the Outer Solar System: Follow-up Observation Results and Future Plans                     | In person |
| 4:00:00 PM | 4:10:00 PM | Noemi          | Pinilla-Alonso | Dawning of a New Era: Understanding Ices in the Solar System with the James Webb Space Telescope (invited)                        | Virtual   |
| 4:10:00 PM | 4:20:00 PM | Joe            | Lazio          | Ground-Based Radar Observations of Near-Earth Asteroids   | In person |
| 4:20:00 PM | 4:30:00 PM | Shinji         | Horiuchi       | Southern Hemisphere Asteroid Radar Program (SHARP)  | In person |
| 4:30:00 PM | 4:40:00 PM | Luisa Fernanda | Zambrano-Marin | The Arecibo Observatory: 50 Years of Planetary Sciences Data  | TBC       |

### DAY 2: Afternoon Session 2 – Active Bodies

| start      | end        |           |                      |  |           |
|------------|------------|-----------|----------------------|--|-----------|
| 3:30:00 PM | 3:40:00 PM | Henry     | Hsieh                | Rapid detection and characterization of active small solar system bodies in the LSST era (invited)                                   | Virtual   |
| 3:40:00 PM | 3:50:00 PM | Gonzalo   | Tancredi             | Transitional objects among asteroids and comets monitored through archival images from large surveys                                 | TBC       |
| 3:50:00 PM | 4:00:00 PM | Joe       | Wong                 | Follow-up studies of active solar system objects in the LSST era   | Virtual   |
| 4:00:00 PM | 4:10:00 PM | K         | Aravind              | Unveiling Cometary Composition: Importance of Spectroscopic Follow-up in the Era of Large Discovery Surveys                          | In person |
| 4:10:00 PM | 4:20:00 PM | Teddy     | Kareta               | Near Jupiter Comets: Activity and Characterization in the Rubin/LSST Era   | TBC       |
| 4:20:00 PM | 4:30:00 PM | Said      | Hmidouch             | The dust and gas production rates: monitoring of Long-period comets (LPC) and Dynamically new comets (DNC) with TRAPPIST telescopes. | In person |
| 4:30:00 PM | 4:40:00 PM | Gulchehra | Kokhirova            | PHOTOMETRIC PROPERTIES OF ACTIVE ASTEROID 248730 (2005 QN173) FROM OBSERVATIONS IN SLOVAKIA AND TAJIKISTAN                           | In person |
| 4:40:00 PM | 4:50:00 PM |           | Erasmus & Sickafoose |  |           |

### OTHER:

|           |     |       |           |  |  |
|-----------|-----|-------|-----------|--|--|
| Time/Date | TBC | Colin | Snodgrass | Feedback Session: Summary of the ESO-LSST workshop in Garching |  |
|-----------|-----|-------|-----------|--|--|

### Posters Day 1: Small bodies posters 1: Followups, Meteors, and Outer SS

|  |           |            |  |           |
|--|-----------|------------|--|-----------|
|  | Cyrielle  | Opitom     | LSST follow-up with VLT/CUBES  | In person |
|  | James M.  | Bauer      | A Lunar Comet/Asteroid Spectroscopy Telescope (LCAST) – Automated Operations                               | TBC       |
|  | Tobias    | Hoffmann   | Robotic NEO follow-up observation pipeline based on open-source software                                   | 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 |
|  | Sergei    | Kalabanov  | Meteor orbit compositions during 2022-2023 observations submitted from meteor radar at KFU (Kazan, Russia) | TBC       |
|  | Simon     | Anghel     | Assessing the scale of meteoroids entering the atmosphere based on well-known impacts                      | TBC       |
|  | Susanne   | Pfalzner   | A stellar flyby explains multiple small-body properties in the solar system                                | In person |
|  | Marina    | Ishchenko  | The Milky Way Globular Clusters: guests in the Oort cloud system on cosmological time scale.               | In person |
|  | Amanda    | Sickafoose | Stellar Occultations by Bodies in the Outer Solar System   | In person |

### Posters Day 2: Small bodies posters 2: Asteroids to Comets

|  |              |                       |   |           |
|--|--------------|-----------------------|---|-----------|
|  | Mandlenkosi  | Mnisi                 | Detecting surface inhomogeneity of small bodies in the SolarSystem  | In person |
|  | Kale         | Boyes                 | Taxonomic classification of asteroids in the ATLAS database using machine learning                                | In person |
|  | Sofia        | Mykhalova             | Spectroscopy of primitive asteroids with the Southern African Large Telescope                                     | Virtual   |
|  | Dagmara      | Oszkiewicz            | Follow-up observations of basaltic asteroids observed by the Gaia mission   | TBC       |
|  | Ibani (Ivan) | Cnocapeev (Siyusarev) | 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 |
|  | Goldy        | Ahuja                 | Long term monitoring using photometric and Spectroscopic observations for a dynamically new comet C/2020 V2 (ZTF) | In person |
|  | Shashikiran  | Ganesh                | Cometary polarimetry at low-phase angles  | In person |
|  | Marcos       | Voelzke               | ARE THE DIAMAGNETIC CAVITIES RELATED TO THE OUTBURSTS IN COMET 67P/CHURYUMOV-GERASIMENKO?                         | In person |