

CONFERENCE PROGRAMME



ASTERIODS
COMETS
METEORS

6-10 VII 2026 Poznań

acm2026.eu



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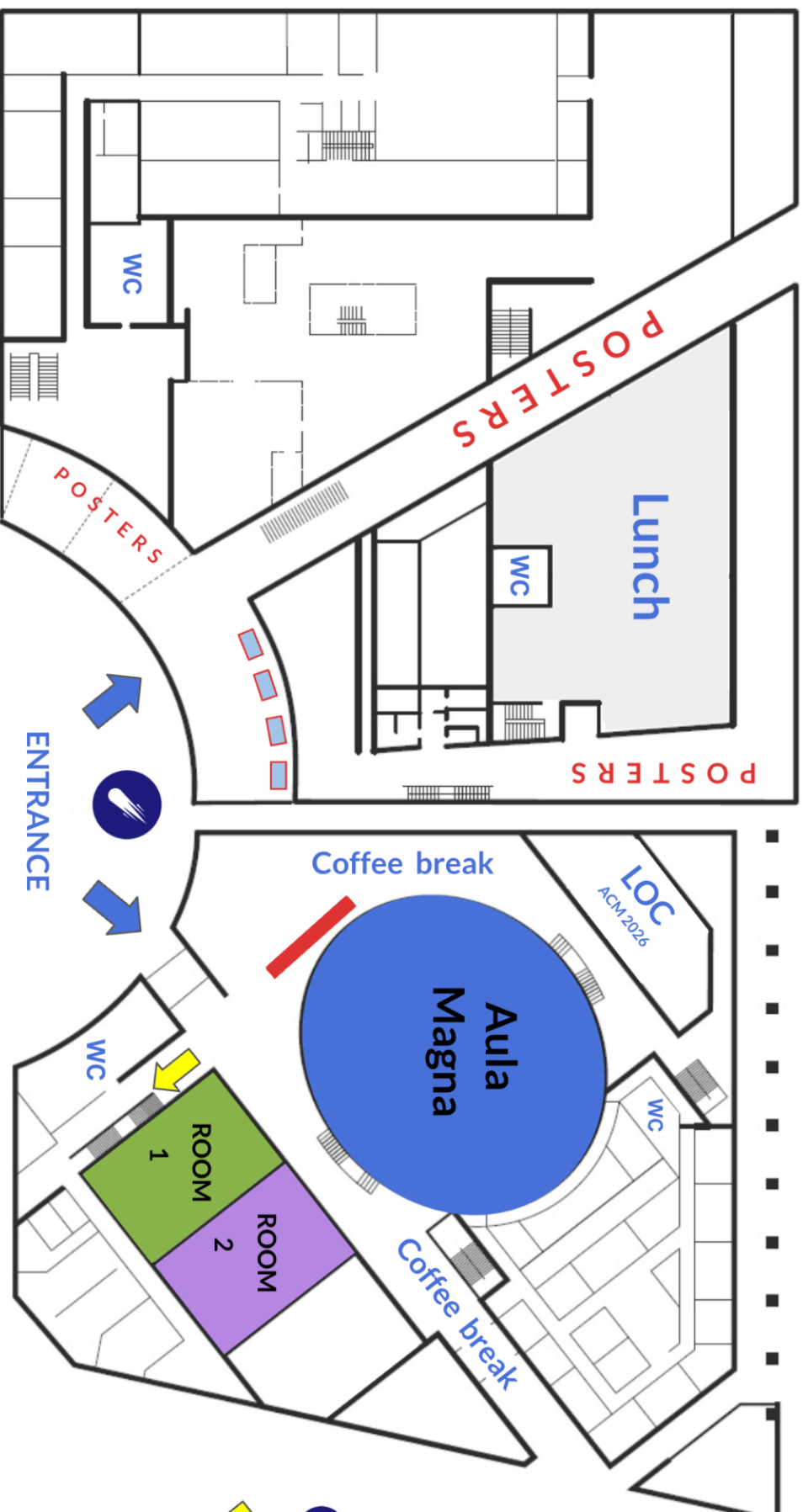


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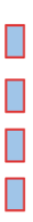
Poznań Science
and Technology Park

View of the river & Green area



Registration desk

Promotional stands



Conference photo location



1st floor:



Quiet room

Conference room

POSTERS





Monday, July 6

9:00-9:30 Welcome Ceremony, Aula Magna

Welcome Addresses:

- Jacek Bogusławski, Member of the Executive Board of the Wielkopolska Region
- Prof. dr hab. Teofil Jesionowski, Rector of Poznań University of Technology
- Prof. dr hab. Michał Banaszak, Vice-Rector of Adam Mickiewicz University, Poznań

9:30-11:00 Plenary session, Aula Magna

Chair: Agnieszka Kryszczyńska

9:30 - 10:00

- Mapping the Solar System with Rubin: First Results at the Start of LSST
Mario Jurić

10:00 - 10:30

- Progress in High-Precision Mapping and Visual Navigation Technologies for Asteroid Exploration
Huan Xie

10:30 - 11:00

- The Story of Asteroid Ryugu: What the Samples Taught us
Shogo Tachibana

11:00-11:30 Coffee Break



Monday, July 6

11:30-13:00 Spacecraft Missions, Aula Magna

Chair: Agata Rożek & Andy Rivkin

11:30 - 11:40

- The ESA Hera Mission: Four Months Before Arrival to the Binary Asteroid Didymos
Patrick Michel

11:40 - 11:50

- The Radio Science Experiments on the Hera and RAMSES Missions
Pierre-Louis Phan

11:50 - 12:00

- Seismic Instrument for Asteroids (SIA): the RAMSES Seismometer for Asteroid Apophis
Naomi Murdoch

12:00 - 12:10

- Updates on the APEX (OSIRIS–Apophis Explorer) Mission
Michael Nolan

12:10 - 12:20

- DESTINY+ Mission to the Asteroids (99942) Apophis and (3200) Phaethon
Harald Krüger

12:20 - 12:30

- Progress Updates on the START Mission: Investigating the 2029 Apophis Earth Encounter from a Geocentric Perspective
Yixuan Wu on behalf of Bin Cheng

12:30 - 12:40

- Comet Interceptor: Visiting A Pristine World
Michael Küppers

12:40 - 12:50

- Calibration and the Data Processing Pipeline for the Thermal Infrared Imager on ESA's Comet Interceptor Mission
Namrah Habib

12:50 - 13:00

- Forecasting the LSST Discovery Rate of Distant Comets: Implications for the Comet Interceptor Mission,
Abbie Donaldson



Monday, July 6

11:30-13:00 Meteors & Meteoroids, Room 1

chairs: Maria Gritsevich & Nick Moskovitz

11:30 - 11:40

- Discovery and Characterisation of a Meteorite Strewn Field from a Small Asteroid Impact Using Orbital Sensors, Radar, and Drones
Hadrien Devillepoix

11:40 - 11:50

- Analysis of the Iron Meteorite Fall of April 17, 2026
Jiří Borovička

11:50 - 12:00

- Croatian Meteor Cluster as a Result of the Catastrophic Disruption of a Parent Meteoroid
Pavel Koten

12:00 - 12:10

- From Iron Meteoroids to I-type Micrometeorites : A Meteor Perspective
Peter Brown

12:10 - 12:20

- Sub-Micron Mineral and Organic Mapping in Primitive Solar System Materials
Julie Brisset

12:20 - 12:30

- Transferring Laboratory Emission Diagnostics to Meteor Spectra: Application to the AMOS Spectral Catalogue
Veronika Pazderová

12:30 - 12:40

- Comparison of Sodium Variations in the 2017-2025 Geminid Meteor Shower with the Parent Body Phaethon
Shinsuke Abe

12:40 - 12:50

- Cross-Validation of Infrasound Detections and Fireball Observations from the Global Fireball Observatory
Iona Clemente

12:50 - 13:00

- Sporadic Meteoroids Density, Structure, and Composition Beyond Orbital Class
Maximilian Vovk



Monday, July 6

11:30-13:00 Laboratory Studies & Experimental Planetary Science, Room 2

chairs: Will Grundy & Hanna Pentikäinen

11:30 - 11:40

- Physical Properties of Near-Sun-Asteroid Surfaces via Laboratory Experiments and Polarimetric Observations
Mikael Granvik on behalf of Jooyeon Geem

11:40 - 11:50

- Reflectance Spectroscopy of Granular Icy Mixtures to Investigate Different Trans-Neptunian Surface Types
Elsa Hénault

11:50 - 12:00

- Nonlinear Optical Dominance in Layered Regolith: Surface Texture and Spectral Analysis of CI Simulant Deposition Mechanisms
Emma Belhadfa

12:00 - 12:10

- Connecting Activity of (3200) Phaethon to Geminids Through lab Experiments
Leonard Schirner

12:10 - 12:20

- Experimental Study of Oblique, Low Velocity Impacts into Granular Media
Esteban Wright

12:20 - 12:30

- Water Delivery on Asteroidal Surfaces by Hydrated Impactors
Kosuke Matsubara

12:30 - 12:40

- ASTRI: Asteroid Surface Characterization Through Robotic Interaction
Irina Luciana San Sebastián

12:40 - 12:50

- From MIRO to Future Comet Microwave Radiometers: Laboratory Support for Volatile Retrievals
Dominik Belousov

12:50 - 13:00

- Facility Access Through the Europlanet Distributed Research and Technology Infrastructure (RTI)
Anita Heward

13:00-14:30 Lunch

13:00-14:30 Science Opportunities with the Emirates Mission to the Asteroid Belt



Monday, July 6

14:30-16:00 Asteroid Science: Dynamics, Evolution & Physical Properties, Aula Magna

chairs: Chrysa Avdellidou & Sławomir Breiter

14:30 - 14:40

- Spatially Resolved ALMA Observations of Main-Belt Asteroids: Ground-Truthing with (4) Vesta
Becky Williams

14:40 - 14:50

- A Census before Rubin of Asteroid Families in the Main Belt
David Nesvorný

14:50 - 15:00

- Unveiling Hidden Structures in the Main Belt: A Machine Learning Framework for Asteroid Families
Maya Guy

15:00 - 15:10

- A New Synthetic Model of the Asteroid Belt
Joseph DeMartini

15:10 - 15:20

- Recovering the Initial Main Belt Asteroid Population
Marco Delbo

15:20 - 15:30

- Primitive Asteroids in the Main Belt From Gaia DR3
Noémie El-Bez-Sébastien

15:30 - 15:40

- The Diversity of the Low-Albedo Small Bodies Population
Andrew Rivkin

15:40 - 15:50

- Comparative Analysis of Asteroid Surface Geomorphologies Across Size and Compositional Classes
Laura Martinez Parro

15:50 - 16:00

- Spin Properties of Members of Asteroid Families
Josef Durech



Monday, July 6

14:30-16:00 New results from New Horizons and JWST, Room 1

chairs: Anne Verbiscer & Bryce Bolin

14:30 - 14:40

- On the Remarkable Diversity of the Solar System's Dwarf Planet Population
Alan Stern

14:40 - 14:50

- Deep Ground Based Searches for New Horizons Encounter Targets
Jj Kavelaars

14:50 - 15:00

- Using Deep Learning to Search for New Horizons Targets at the Edge of the Solar System
Wesley Fraser

15:00 - 15:10

- Shapes and Poles of Kuiper Belt Objects from New Horizons
Simon Porter

15:10 - 15:20

- Arrokoth vs Asteroids – Impact Crater Size-frequency Distributions Across the Solar System Exhibit Mostly Shallow Slopes
Kelsi Singer

15:20 - 15:30

- Contrast Reversal and Contrast Emergent Features on Pluto
Jason Hofgartner

15:30 - 15:40

- JWST Spectrophotometry of New Horizons Kuiper Belt Targets
Anne Verbiscer

15:40 - 15:50

- A First-Pass Search for TNOs in Single JWST/NIRCam Exposures
Anastasia Morgan

15:50 - 16:00

- The Luminosity Function of Ultra-Faint Trans-Neptunian Objects Detected by James Webb Space Telescope
Marielle Eduardo



Monday, July 6

14:30-16:00 Methods, Tools & Instrumentation, Room 2

chairs: Milagros Colazo & Alvaro Alvarez-Canda

14:30 - 14:40

- The Solar System Open Database Network (SsODNet). 2026 Updates: Comets, Satellites, and More
Benoit Carry

14:40 - 14:50

- The Solar System Notification Alert Processing System (SNAPS): Infrastructure status report and science projects
David Trilling

14:50 - 15:00

- Don't Miss Out! Follow-up of Dynamic Moving Object Phenomena with FOMO
Carrie Holt on behalf of Tim Lister

15:00 - 15:10

- Layup: Orbit Fitting at LSST Scale
Ryan Lytle

15:10 - 15:20

- Polarimetric Characterisation of Minor Planets with VSTPOL
Gijs Verdoes Kleijn

15:20 - 15:30

- The Irregular Body Exploration (IBEx) Toolkit
Abhinav Jindal

15:30 - 15:40

- Cross-Calibration of the ESA Hera HyperScout-H Instruments Using Mars Observations
Andrea Farina

15:40 - 15:50

- Development of an Automated Very Faint Meteor Analysis Algorithm Applied to EMCCD Sensor Measurements
Justin Domagala-Tang

15:50 - 16:00

- A Community-Accessible Tool for Meteorite Recovery Using Drones and Machine Learning
Seamus Anderson

16:00-16:30 Coffee Break



Monday, July 6

16:30-18:00 Interstellar Objects, Aula Magna

Chairs: Michele Bannister & Oleksandra Ivanova

16:30 - 16:40

- A Targeted Search for Inbound Interstellar Objects with CFHT
Jack Patterson

16:40 - 16:50

- On the Chemical Composition of Interstellar Objects
Matthew Hopkins

16:50 - 17:00

- Contextualizing the Discovery of Interstellar Object 3I/ATLAS
Rosemary Dorsey

17:00 - 17:10

- Near-perihelion Observations of 3I/ATLAS with the MAJIS Instrument Onboard the Juice Spacecraft: H₂O and CO₂ Production, and Dust Colors.
Dominique Bockelée-Morvan

17:10 - 17:20

- The Interstellar Comet 3I/ATLAS As Seen By JANUS Onboard The JUICE Spacecraft
Cecilia Tubiana

17:20 - 17:30

- Interstellar Object 3I/ATLAS Observed from Mars by China's Tianwen-1 Spacecraft
Jian-yang Li

17:30 - 17:40

- JWST Mid-infrared Observations of 3I/ATLAS
Matthew Belyakov

17:40 - 17:50

- The Nucleus and Coma of Interstellar Comet 3I/ATLAS as Seen by JWST
Michael Kelley

17:50 - 18:00

- Compositional Studies of the Interstellar Comet 3I/ATLAS Pre- and Post-Perihelion With JWST
Dennis Bodewits on behalf of Stephanie Milam



Monday, July 6

16:30-18:00 Outreach, Citizen Science & Popularisation, Room 1

chairs: Myung-Jin Kim & Krzysztof Langner

16:30 - 16:40

- Rubin Comet Catchers: Citizen Science and AI for Active Small-Body Discovery with LSST
Colin Chandler

16:40 - 16:50

- Morasko Meteorite Impact Science Center
Anna Łosiak

16:50 - 17:00

- The First Ten Years of the Italian PRISMA Fireball Network: Between Scientific Research and Dissemination
Chiara Lamberti

17:00 - 17:10

- A 3D-Printed Robotic Networkable Nano-Observatory for High-Precision Tracking of Bright and Fast-Moving Celestial Objects
Krzysztof Kamiński and Przemysław Bartczak

17:10 - 17:20

- Bejaia Amateur Astronomers Advancing Stellar Occultation Studies of Asteroids in Algeria
Mohamed Lamine Allik

17:20 - 17:30

- Very Short-duration Multi-chord Stellar Occultation: The case of (65803) Didymos
Hirotomo Noda

17:30 - 17:40

- From APOD to University Lectures: Modernizing and Revitalizing the Taiwanese Language Through Astronomy Education
An-li Tsai

17:40 - 17:50

- Professional Astronomers and Astronomy Outreach: A Case Study of a UK Astronomy Centre
Rok Nežič

17:50 - 18:00

- Metadata For All: Improving PDS FAIRness Through Conference Outreach
Kristina Lopez



Monday, July 6

16:30-18:00 Multiple Systems & Moons, Room 2

chairs: Marina Brozovic & Daniel Hestroffer

16:30 - 16:40

- The Formation and Evolution of Multi-component Asteroid Systems
Daniel Scheeres

16:40 - 16:50

- Morphology Reconfiguration in Excited Contact Binaries
Haishuo Wang

16:50 - 17:00

- Linking Tidal Evolution to Internal Structures for Rubble Pile Asteroid Binaries
Iosfo Fodde

17:00 - 17:10

- Phobos's Formation Ring Was Removed by the Eclipse-Yarkovsky Effect
Wen-han Zhou

17:10 - 17:20

- Impact Origin of the South-Polar Depression and Global Regolith Layer of Deimos
Sabina Raducan

17:20 - 17:30

- Direct Physical and Astrometric Characterization of a Kilometer-scale Jovian Moon for a Potential JUICE Flyby
Juan L. Rizo

17:30 - 17:40

- Machine-Learning Enabled Impact Crater Detection at Lunar Poles
Petr Pokorný

17:40 - 17:50

- A Unique Probe of High-Speed Launch Physics Would Be Provided by Ejecta From a Large Lunar Impact
Brett Gladman

17:50 - 18:00

- First Photometric Evidence of Multi-Component Emission in a Geminid Lunar Impact Flash via 98-fps Three-Band Observations
Noriaki Arima

18:30-20:00 Free city tour



Tuesday, July 7

9:00-11:00 Plenary session, Aula Magna

Chair: Dagmara Oszkiewicz

9:00 - 9:30

- International Year of Asteroid Awareness and Planetary Defence, 2029 (Asteroids2029)
Romana Kofler

9:30 - 10:00

- Models of the NEO and MBA Populations: From Sky Surveys to Geophysics
Mikael Granvik

10:00 - 10:30

- An Overview of the Minor Planet Center Over the Years
Matthew Payne

10:30 - 11:00

- Artificial Intelligence and Machine Learning in Planetary Science - Opportunities and Challenges in the Rubin Era
Valerio Carruba

11:00-11:30 Coffee Break



Tuesday, July 7

11:30-13:00 Near-Earth Objects & Planetary Defence, Aula Magna

chairs: Davide Farnocchia & Tomasz Kwiatkowski

11:30 - 11:40

- Astrometric Follow-up of a Torino Scale 3 object: the Case of 2024 YR4
Marco Micheli

11:40 - 11:50

- Keyhole-to-surface Mapping for Kinetic Impact Missions to Near-Earth Asteroids
Siegfried Eggli

11:50 - 12:00

- How Many Dangerous Asteroids are There? Twice as Many as Previously Estimated
Gonzalo Tancredi

12:00 - 12:10

- The Science Case for Apophis 2029 and the International Year for Asteroid Awareness and Planetary Defence
Richard Binzel

12:10 - 12:20

- Unusual Thermal Behaviour of the Near-Earth Asteroid 2024 YR4
Thomas Müller

12:20 - 12:30

- Managing Chaotic Dynamics in Asteroid Close Encounters: Identifying Scattering Events for Planetary Defense
Giacomo Tommei

12:30 - 12:40

- Impact Hazard Assessment at ESA's NEOCC: A Review of Recent Activities
Marco Fenucci

12:40 - 12:50

- NEO Polarimetry for Planetary Defence With the Nordic Optical Telescope
Meri Kolehmainen

12:50 - 13:00

- Characterizing Sound Speed in a Rubble-pile Asteroid Analog
Eric Scott Frizzell



Tuesday, July 7

11:30-13:00 Interstellar Objects, Room 1

chairs: Meg Schwamb & Colin Snodgrass

11:30 - 11:40

- Deuterium Enriched Water in the Interstellar Comet 3I/ATLAS Revealed by ALMA
Luis Salazar Manzano

11:40 - 11:50

- High Nitrogen And Carbon Isotopic Ratios In The Interstellar Comet 3I/ATLAS
Cyrielle Opitom

11:50 - 12:00

- 3I/ATLAS' Coma Composition at Perihelion from Observations with the IRAM 30-m Telescope
Dominique Bockelee-Morvan on behalf of Nicolas Biver

12:00 - 12:10

- Optical High-resolution Spectroscopic Monitoring of the Interstellar Comet 3I/ATLAS Across Perihelion with the VLT
Aravind Krishnakumar

12:10 - 12:20

- The International Asteroid Warning Network's 3I/ATLAS Campaign for Improving Comet Astrometry
James M. Bauer

12:20 - 12:30

- Coordinated Time-Domain Photometry of Interstellar Comet 3I/ATLAS with BHTOM
Andrew Gillan

12:30 - 12:40

- Quasi-simultaneous Photometric, Polarimetric, and Spectral Observations of the Interstellar Comet 3I/ATLAS
Oleksandra Ivanova

12:40 - 12:50

- Pre- and Post-Perihelion Polarimetry of Interstellar Comet 3I/ATLAS
Zuri Gray

12:50 - 13:00

- Post-perihelion Optical Polarimetry of Interstellar Comet 3I/ATLAS
Christian Wöhler



Tuesday, July 7

11:30-13:00 Meteors & Meteoroids, Room 2

Chairs: Jérémie Vaubaillon & Regina Rudawska

11:30 - 11:40

- Review of Asteroids, Meteors and Meteorite Type Links
Peter Jenniskens

11:40 - 11:50

- Spectral Observations of Meteors and Luminous Efficiency
Margaret Campbell-Brown

11:50 - 12:00

- Detecting Asteroidal Activity Using Meteor Observations: How to Find a "Rock-Comet"
Patrick Shober

12:00 - 12:10

- Deconstructing mm-sized Meteoroids: Indication of Heterogeneity from the Physical Properties of Gross Fragments
Tomáš Vörös

12:10 - 12:20

- Dynamical Origins of Earth-Impacting Millimetre-Sized Sporadic Meteoroids
Tam Do

12:20 - 12:30

- Bayesian Acoustic-seismic Characterization of the March 8, 2026 Koblenz Meteoroid
Dario Eickhoff

12:30 - 12:40

- ASTERISC: A CubeSat Mission to Observe Beta Meteoroids with a New Large-Area Film Dust Sensor
Ryo Ishimaru

12:40 - 12:50

- Simulating the Alpha Capricornid Meteor Shower: A Dynamical Study Based on the Proposed Parent Bodies
Gabriel Borderes-Motta

12:50 - 13:00

- Geminids are Initially Cracked by Atmospheric Thermal Stress
Tomáš Henych

13:00-14:30 Lunch

13:15-13:45 - SsODNet Demo - group 1

13:45-14:15 - SsODNet Demo - group 2



Tuesday, July 7

14:30-16:00 Comets, Transition & Interstellar Objects, Aula Magna

chairs: Cyrielle Opitom & Mathew Knight

14:30 - 14:40

- Long-term Volatile Evolution of Interstellar Comet 3I/ATLAS
Dennis Bodewits

14:40 - 14:50

- The Metallic Rich Atmosphere of the Interstellar Comet 3I/ATLAS
Emmanuel Jehin

14:50 - 15:00

- Spatial Profiles and Scale Lengths of Nickel, Iron and CN on Interstellar Comet 3I/ATLAS
Alessandra Caterina Mura

15:00 - 15:10

- Exploring 3I/ATLAS Through Thermal Modeling, Dust Tail Simulations, and Spacecraft Flyby Feasibility
Atsuhiko Yaginuma

15:10 - 15:20

- Observations of the Ion Tail of 3I/ATLAS using Integral Field Units
Lea Ferrellec

15:20 - 15:30

- Observability of Planet Forming Materials From Interstellar Comet 3I/ATLAS
Tessa Frincke

15:30 - 15:40

- Deep Learning-Enabled Size Estimation Of Comets Indicates A More Dynamic Early Solar System
Xian Shi

15:40 - 15:50

- Statistical Insights on the Nature of Cometary Spin Ratios: Evidence for Environmental Processing
Manuela Lippi

15:50 - 16:00

- Tracing Coma Jets and Nucleus Rotation in Comets via Narrowband Imaging
Cyrielle Opitom on behalf of Vincent Okoth



Tuesday, July 7

14:30-16:00 Multiple Systems & Moons, Room 1

chairs: Daniel Hestroffer & Agnieszka Kryszczyńska

14:30 - 14:40

- The Lucy Mission's Unexpected Binary Bonanza
Keith Noll

14:40 - 14:50

- Where Do Binary Near-Earth Asteroids Form?
Adriano Campo Bagatin

14:50 - 15:00

- Catastrophic Disruptions as the Origin of Contact-binary Asteroids
Harrison Agrusa

15:00 - 15:10

- Binary Asteroid Population: North-South Asymmetry of the Distribution of Orbital Poles of Asteroid Satellites
Peter Scheirich

15:10 - 15:20

- Evidence from Gaia FPR Astrometry of a Hidden Binary Asteroid Population
Luana Liberato

15:20 - 15:30

- Derivation of the Individual Masses of Widely Separated Binaries Based on Gaia Astrometric Data
Ziyu Liu

15:30 - 15:40

- Detection And Characterization Of Binary Asteroids Using Stellar Occultations
Raphaël Lallemand

15:40 - 15:50

- Extreme Adaptive Optics Characterization of the Quadruple Asteroid (130) Elektra
Bin Yang

15:50 - 16:00

- (44) Nysa: A Contact Triple (?) Binary System
Kate Minker



Tuesday, July 7

14:30-16:00 Asteroid Science: Dynamics, Evolution & Physical Properties, Room 2
chairs: Edyta Podlewska-Gaca & Eric Asphaug

14:30 - 14:40

- An 800-Million-Year-Old Impact Shower on the Terrestrial Planets from the Breakup of the Eulalia Parent Body
William Bottke

14:40 - 14:50

- The Polana-Eulalia Complex with JWST NIRSpec: Connections to Bennu, Ryugu, & Outer Solar System Bodies
Lucas McClure

14:50 - 15:00

- Early Intrafamily Collisions In Newly Formed Asteroid Families
Roberto Balossi

15:00 - 15:10

- A Monte Carlo Model for Coupled Collisional and YORP-Driven Spin Evolution of Asteroids in the Main Belt
Po-yen Liu

15:10 - 15:20

- Asteroid Pairs: Survey of the Main Belt
Ihor Kyrylenko

15:20 - 15:30

- Fragment Spin States Trace Giant Impact Collision Regimes
Robert Melikyan

15:30 - 15:40

- Evolution of Re-impacting DART Ejecta Debris on Didymos and Predictions for the ESA Hera Mission
Jeanne Bigot

15:40 - 15:50

- Mobility of Orbits in the NEO Region
Nataša Todorović

15:50 - 16:00

- An Improved Theoretical Model for the Diurnal Yarkovsky Effect
Oleksiy Golubov



Tuesday, July 7

16:00-18:00 Poster session:

CTNO = Centaurs & Trans-Neptunian Objects

CTO = Comets & Transition Objects

IO = Interstellar Objects

MSPS = Meteorites, Samples & Planetary Systems Evolution

MM = Meteors & Meteoroids

MTI = Methods, Tools & Instrumentation

LS = Laboratory Studies & Experimental Planetary Science

16:00 - 17:30 European Research Council (ERC) - funding opportunities for frontier research

19:00 Amadeus Chamber Orchestra & MozART group concert



Wednesday, July 8

9:00-11:00 Plenary session, Aula Magna

chair: Milagros Colazo

9:00 - 9:30

- A New Era in Cometary Science with JWST
Sara Faggi

9:30 - 10:00

- An Overview of the Asteroid-Comet Continuum
Man-To Hui

10:00 - 10:30

- 3I/ATLAS: Into the Era of Interstellar Objects
Michele Bannister

10:30 - 11:00

- Exocomets: What Comets in Extrasolar Systems Reveal
Daniela Iglesias Vallejo

11:00-11:30 Coffee Break



Wednesday, July 8

11:30-13:00 Spacecraft Missions, Aula Magna

chairs: Benoît Carry & Elisabeta Petrescu

11:30 - 11:40

- Beyond the 2.45 micron Barrier: The SPHEREx Year 1 Census of Asteroid Spectral Diversity
Max Mahlke

11:40 - 11:50

- NASA's Lucy Mission to the Trojans – Results from flybys of (152830) Dinkinesh and (52246) Donaldjohanson
Harold Levison

11:50 - 12:00

- Disentangling Binary Thermal Inertias via L'TES Unresolved Radiometry: Implications for the Lucy Trojan Tour
Duncan Lyster

12:00 - 12:10

- MMX and MIRS to Constrains the Origin of Phobos and Deimos
Antonella Barucci

12:10 - 12:20

- MMX Rover IDEFIX, Looking Forward to Launch and In-situ Science from Phobos
Stephan Ulamec

12:20 - 12:30

- Emirates Mission to the Asteroid Belt Overview
Mohsen Al Awadhi

12:30 - 12:40

- Science Overview of the Emirates Mission to the Asteroid Belt's MBR Explorer
Hoor AlMazmi

12:40 - 12:50

- Volatile Stability Estimates for Targets of the Emirates Mission to the Asteroid Belt
Kya Sorli

12:50 - 13:00

- Thermal Imaging Science on the Emirates Mission to the Asteroid Belt
Paul Hayne



Wednesday, July 8

11:30-13:00 Meteors & Meteoroids, Room 1

Chairs: Regina Rudawska & Miroslav Brož

11:30 - 11:40

- Telescopic meteors observed by AMOS and ATLAS in Hawaii
Martin Čulák

11:40 - 11:50

- High-Speed Observations of Lunar Impact Flashes
Dale Giancono

11:50 - 12:00

- When the Leonids Meteor Storms are Back
Jérémy Vaubaillon

12:00 - 12:10

- 2020 BX₁₄: A New Fragment of the Alpha Capricornids Parent Comet
Apostolos Christou

12:10 - 12:20

- Breaking the Threshold Barrier in Orbital Similarity Metrics
Simon Anghel

12:20 - 12:30

- Computing the Velocity of a Meteor Using the Phase of the Fourier Transform :
Application to BRAMS Data
Hervé Lamy

12:30 - 12:40

- Bulk Density Estimation Using α - β Inversion of Fireball Trajectories
Maria Gritsevich

12:40 - 12:50

- Ballistic-Strength Survival Limits for Metallic, Siliceous and Carbonaceous Meteoroids
Thomas Stevenson

12:50 - 13:00

- Spectroscopic Study of Rocket Debris During Atmospheric Re-entry
Kosuke Watanabe



Wednesday, July 8

11:30-13:00 Centaurs & Trans-Neptunian Objects, Room 2

Chairs: Alan Stern & Thomas Müller

11:30 - 11:40

- Distribution, Segregation, and Loss of CO₂ on Trans-Neptunian Objects Revealed by JWST and Laboratory Experiments
Rosario Brunetto

11:40 - 11:50

- The Scattered Disk and Extended Scattered Disk View in the LSST Era – Implications for Searching for Signs of Planet Nine
Meg Schwamb

11:50 - 12:00

- Nature vs. Nurture in the Scattering Disk and Detached Trans-Neptunian Object Populations
Bryan Holler

12:00 - 12:10

- Constraining the High-inclination 2:1 Resonance with the LiDO Survey
Ying-tung Chen

12:10 - 12:20

- Astrometric and Orbital Refit of an Ultra-wide Trans-neptunian Binary: 2001 QW322
Camille Chatenet

12:20 - 12:30

- Tidal Disruption of Ancient Plutos Populates the Solar System's Polar Corridor
Yukun Huang

12:30 - 12:40

- Galactic Tides on the Solar System in a Non-axisymmetric Milky Way Model Adjusted to Gaia Data
Alexandre Bougakov

12:40 - 12:50

- A Motion-Based Search for Distant Solar System Objects in the Catalina Sky Survey
Jose David Balseca Cisneros

12:50 - 13:00

- The Physical Parameters of (50000) Quaoar Using Stellar Occultations, Photometry Light Curves, and Machine Learning
Bruno E. Morgado on behalf of Guliano Margoti

13:00-14:30 Lunch

13:00-13:15 Conference photo

13:45-14:15 The Habitable Worlds Observatory and Small Body Science



Wednesday, July 8

14:30-16:00 Near-Earth Objects & Planetary Defence, Aula Magna

Chairs: Juan L. Cano & Marina Brozovic

14:30 - 14:40

- Source Families of S-type Near-Earth Objects Visited by Space Missions
Paul Simon

14:40 - 14:50

- NEOMIR: ESA's Space-Based Infrared Mission For Near-Earth Object Detection And Early Warning
Eric MacLennan on behalf of Luca Conversi

14:50 - 15:00

- Radiation Forces and Trajectory of Hayabusa2# Target 1998 KY26
Davide Farnocchia

15:00 - 15:10

- Evaluating the Influence of the Yarkovsky Effect on the Recently Classified Dark Comet 1998 KY26 via Numerical Simulations
Nicolas Michel

15:10 - 15:20

- Pre-flyby Spin and Shape Model of Hayabusa2# Target (98943) Torifune
Petr Fatka

15:20 - 15:30

- Compositional Characterization of Asteroid Didymos from Ground-based Spectra: What to Expect at Hera's Arrival
George Prodan

15:30 - 15:40

- Post-DART Rotational State of Dimorphos
Ileana Uccheddu

15:40 - 15:50

- Post-Impact Evolution of the Didymos Binary Driven by Coupled Yarkovsky and YORP Effects
Yixuan Wu

15:50 - 16:00

- The Updated Mutual Orbit of Dimorphos in Anticipation of the Hera Mission
Shantanu Naidu



Wednesday, July 8

14:30-16:00 Comets, & Transition Objects, Room 1

Chairs: Daniela Iglesias Vallejo & Marc Fouchard

14:30 - 14:40

- Temporal Mapping of the Dust Tails of Comets C/2023 A3 (Tsuchinshan–ATLAS) and C/2024 G3 (ATLAS)
Jake Hanlon

14:40 - 14:50

- 18-cm OH Lines in Comets with Tianma Radio Telescope: 12P/Pons-Brooks, C/2023 A3 (Tsuchinshan-ATLAS), C/2024 G3 (ATLAS) and 3I/ATLAS
Juncen Li

14:50 - 15:00

- The Volatile Evolution of C/2024 E1 (Wieruchoś) From Multi-epoch JWST Data
Carrie Holt

15:00 - 15:10

- HyperActive Asteroids First Results: Activity Discovered on Jupiter Family Comet 2015 DD349
Kennedy Farrell

15:10 - 15:20

- Monitoring the Activity of Special Comet C/2017 K2 (PanSTARRS)
Javiera Espinoza

15:20 - 15:30

- Dust and Gas Characterization of the Great C/2023 A3 Comet Near Perihelion
Giovanna Rinaldi

15:30 - 15:40

- Dynamical Evolution of Jupiter-Family Comets 2005 EC272, 2009 SR143, and 2015 DD349
Annabella Dickenson

15:40 - 15:50

- New Fluorescence Models for NH and CH in Cometary Optical Spectra
Elsa Blond Hanten

15:50 - 16:00

- Fluorescence Properties of Homonuclear Cations in Cometary Atmospheres: N₂⁺ and O₂⁺
Steven Bromley



Wednesday, July 8

14:30-16:00 Asteroid Science: Dynamics, Evolution & Physical Properties, Room 2

Chairs: Jessica Agarwal & Simone Ieva

14:30 - 14:40

- Spectroscopy From the Near-ultraviolet to the Near-infrared to Study the Composition of Primitive asteroids: (84) Klio and (313) Chaldaea
Tania Le Pivert-Jolivet

14:40 - 14:50

- Soluble Organic Matter in Hydrated Asteroid Families: Insights from 3 μm Spectroscopy
Pranvera Hyseni

14:50 - 15:00

- Near-Infrared Spectroscopic Follow-Up of Gaia DR3 V-Type Asteroid Candidates with IRTF/SpeX
Christopher Bass

15:00 - 15:10

- Searching for Primitive, Dark, Spectrally Red Asteroid Families with Gaia
Ullas Bhat

15:10 - 15:20

- Low-Albedo and Inclination Asteroid Families as Tracers for Volatiles in the Inner Solar System
Driss Takir

15:20 - 15:30

- Active Asteroid P/2021 L4
Jens Richter

15:30 - 15:40

- The Nysa Family as the Main Source of Unequilibrated LL Ordinary Chondrites
Michaël Marsset

15:40 - 15:50

- Probing the Origin and Interiors of Jupiter Trojans Through JWST Spectroscopy of Collisional Family Members
Ian Wong

15:50 - 16:00

- Building Artificial Neural Networks To Determine Family Membership Of Dark Inner Main Belt Families
Andrew Marshall-Lee

16:00-16:30 Coffee Break



Wednesday, July 8

16:30-18:00 Near-Earth Objects & Planetary Defence, Aula Magna

Chairs: Juan L. Cano & Marina Brozovic

16:30 - 16:40

- Shape Models of Near-Earth Asteroids 1036 Ganymed, 3200 Phaethon, 5189 (1990 UQ), 285331 (1999 FN53), and 385186 (1994 AW1)
Sean Marshall

16:40 - 16:50

- Shape and Spin State Reconstruction of Near-Earth Asteroid (53319) 1999 JM8 Based on Radar and Optical Observations
Marina Brozovic

16:50 - 17:00

- Shape Model of Near-Equal Mass Binary Near-Earth Asteroid 2017 YE5
Kris Laferriere

17:00 - 17:10

- Differences In Morphology Amongst Radar Observed Contact Binaries
Richard Cannon

17:10 - 17:20

- Using Solveorbit and Mutual Events to Characterize Radar-Observed Near-Earth Binary Systems
Aaron Deleon

17:20 - 17:30

- Bistatic Radar Observations of NEA 2025 FA22
Shinji Horiuchi

17:30 - 17:40

- Initial Orbit Determination of Near-Earth Objects with Physics-Informed Neural Networks
Francesco Geroni

17:40 - 17:50

- A New Method for the Computation of the Yarkovsky Effect for Non-circular Orbits
Maddalena Mochi

17:50 - 18:00

- Infrared Detection and Characterization of Earth-interior Asteroids With a Novel Thermal Model
Eric MacLennan



Wednesday, July 8

16:30-18:00 Meteorites, Samples & Planetary Systems Evolution, Room 1

Chairs: Joanna Drążkowska & Tomas Kohout

16:30 - 16:40

- Ripening of Planetesimals: Diversity of Asteroids
Eric Asphaug

16:40 - 16:50

- Temporal Evolution of NEOs and Meteorite Flux
Miroslav Brož

16:50 - 17:00

- Linking Terrestrial Planet Formation to the Main Asteroid Belt: Implantation of Non-carbonaceous Material
Max Goldberg

17:00 - 17:10

- Carbonaceous Chondrites Provide Evidence for Late-stage Planetesimal Formation in a Pressure Bump
Nerea Gurrutxaga

17:10 - 17:20

- Inefficient Outward Transport Preserves CM and CI Reservoir Separation
Sarah E. Anderson

17:20 - 17:30

- The Accretion Timescale of CR Clan Parent Bodies
Wladimir Neumann

17:30 - 17:40

- Ammonium-bearing Phyllosilicate Phases Identified in Ryugu and Bennu Samples via Infrared Spectroscopy
Te Jiang

17:40 - 17:50

- A Survey of Hydrated Phosphates in Returned Ryugu and Bennu Samples Reveals Divergent Alteration Histories
Donia Baklouti

17:50 - 18:00

- The Composition of the Dust Particles of 67P/Churyumov-Gerasimenko Suggests a Pre-accretional Irradiation
Nicolas Fray



Wednesday, July 8

16:30-18:00 Asteroid Science: Dynamics, Evolution & Physical Properties, Room 2

Chairs: Dagmara Oszkiewicz & Max Malkhe

16:30 - 16:40

- Phase Curves and Phase Coloring of Asteroids From Survey Photometry
Milagros Colazo

16:40 - 16:50

- Asteroid Photometric and Polarimetric Phase Curve Modelling
Hanna Pentikäinen

16:50 - 17:00

- Distribution of Absolute Colors of Small Bodies
Alvaro Alvarez-Candal

17:00 - 17:10

- Shape, Orientation and Colors Combined approach for Asteroids (SOCCA)
Konstantinos Odysseas Xenos

17:10 - 17:20

- Rigorous use of Light Curve Inversion and Stellar Occultation for Deriving a Scaled Three-dimensional Shape for the Jupiter Trojan (911) Agamemnon
Altair R. Gomes-Junior on behalf of Eros Gradovski

17:20 - 17:30

- Rotational Characteristics of Trojan and Hilda Asteroids Observed by TESS
Nóra Takács

17:30 - 17:40

- Spectroscopic Survey of Primitive Asteroids with SALT and GTC Telescopes
Sofia Mykhailova

17:40 - 17:50

- Asteroid Mineralogy Revealed By Near-Infrared Polarimetry
Joseph Masiero

17:50 - 18:00

- Calibrating Minor Planet Photometry with a Sparse and Data-driven Model
Steven Stetzler

18:30-20:00 Free city tour



Thursday, July 9

9:00-11:00 Plenary session, Aula Magna

Chair: Daniel Hestroffer

9:00 - 9:30

- What Meteorites Reveal About Planet Formation
Joanna Drażkowska

9:30 - 10:00

- Connecting Asteroid Families to Meteorite Classes: New Results and Open Questions
Pierre Vernazza

10:00 - 10:30

- Compositional Diversity and Surface Evolution of TNOs - Heritage and Perspective with JWST
Sonia Fornasier

10:30 - 11:00

- Binary Asteroid Discoveries and Characterization: New Approaches and Perspectives
Paolo Tanga

11:00-11:30 Coffee Break



Thursday, July 9

11:30-13:00 Comets & Transition Objects, Aula Magna

chairs: Colin Chandler & Sara Faggi

11:30 - 11:40

- 10 Years on from the Rosetta Mission to 67P/Churyumov-Gerasimenko: Our Current Understanding of Geologic-like Processes on Comets
M. Ramy El-Maarry

11:40 - 11:50

- Boulder Mobility on Comets: Insights from Rosetta Observations and Numerical Modelling
Xiang Tang

11:50 - 12:00

- The Sediment Pathways Shaping Landscapes Across Comet 67P/Churyumov-Gerasimenko
Abhinav Jindal

12:00 - 12:10

- Variations in the Dust Properties of Comet 67P Across Multiple Apparitions
Ludmilla Kolokolova

12:10 - 12:20

- A Proposed Classification of Distinct Dust Grain Populations from the Analysis of High-Activity Comets' Dust Tails
Geraint H. Jones

12:20 - 12:30

- Dust Productivity of Comets from Various Dynamical Families
Anhelina Voitko

12:30 - 12:40

- Surface Manifestations of Cometary Outbursts
Samuel Birch

12:40 - 12:50

- Evidence for the Influence of the Jupiter-Saturn Barrier on the Physical Evolution of Long Period Comets
Colin Snodgrass

12:50 - 13:00

- Dynamical evolutionary scenarios of near-polar Halley-type comets
Paweł Kankiewicz



Thursday, July 9

11:30-13:00 Surveys & Data Mining, Room 1

chairs: Siegfried Eggl & Marco Delbo

11:30 - 11:40

- Taxonomy of 14042 Asteroids from Gaia DR3 Reflectance Spectra
Fernando Tinaut-Ruano

11:40 - 11:50

- A Unified SDSS–SkyMapper Catalog of Asteroid Colors and Taxonomic Classes
Alexey Sergeyev

11:50 - 12:00

- Ramping up Rubin Asteroid Discovery: Challenges and Triumphs
Aren Heinze

12:00 - 12:10

- Early Characterization of Rubin Observatory's Asteroid Detection Efficiency
Jacob Kurlander

12:10 - 12:20

- Predictions and First Results of the LSST Search for Imminent Impactors
Ian Chow

12:20 - 12:30

- Detection of New Long Period Comets by Vera C. Rubin Telescope (LSST)
Marc Fouchard

12:30 - 12:40

- China's 2.5-meter Wide Field Survey Telescope and Its Progress in Asteroid Search
Lulu Fan

12:40 - 12:50

- Color Analysis of Potentially Hazardous Asteroids within the NEOPOPS Project
Mirel Birlan

12:50 - 13:00

- TESS Solar System Objects Data Release 2
Róbert Szakáts



Thursday, July 9

11:30-13:00 Spacecraft Missions, Room 2

chairs: Przemysław Bartczak & Adriano Campo Bagatin

11:30 - 11:40

- Physical Parameters of Space Mission Asteroid Targets
Marcel Popescu on behalf of Petr Pravec

11:40 - 11:50

- Hayabusa2# Target Asteroid 1998 KY26 is Smaller and Rotating Faster than Previously Known
Toni Santana-Ros

11:50 - 12:00

- Shape and Spin-State Determination of the Tianwen-2 Target Asteroid (469219) Kamo'oalewa
Josef Hanuš

12:00 - 12:10

- Assessment of (524522) Zoozve as a Candidate Target for a Future Korean Near-Earth Asteroid Impact Mission
Youngmin JeongAhn

12:10 - 12:20

- Orange Material Patches on Vesta: Morphology and Distribution
Ivan Slyusarev

12:20 - 12:30

- ESA M8 Candidate PRIAMOS - A Sample Return Mission to a D-Type Near-Earth Asteroid
Raphael Marschall

12:30 - 12:40

- The CALICO+ Mission – Exploring Ocean World Ceres
Axel Hagermann

12:40 - 12:50

- Lunar Meteoroid Impact Flashes Detection with LUMIO CubeSat Mission
Sabrina Sughi

12:50 - 13:00

- Robotic Exploration of the Centaurs: Prospects, Challenges, and Near-Term Opportunities
Walter Harris

13:00-14:30 Lunch

13:00-14:20 The New Horizons Search for KBO Observation and Flyby Targets: An Update



Thursday, July 9

14:30-16:00 Near-Earth Objects & Planetary Defence, Aula Magna

Chairs: Juan L. Cano & Marcel Popescu

14:30 - 14:40

- Probing Sub-Minute Rotators: Simultaneous Tricolor Video Observations of Three Tiny Near-Earth Asteroids
Jin Beniyama

14:40 - 14:50

- Near Earth Asteroid Photometric Characterisation from the University of Western Australia Space Surveillance Hub
Dorota Mieczkowska

14:50 - 15:00

- From Hours to Days: Imminent Impactors in the LSST Era
Michael Frazer

15:00 - 15:10

- What are the smallest NEOs that LSST will discover?
Sophie E. Deam

15:10 - 15:20

- Rapid Albedo Determination of Near-Earth Objects From Single Polarimetric Observations
Maxime Devogele

15:20 - 15:30

- Deriving Taxonomic Classifications for Small Near-Earth Asteroids with MuSCAT
Remington Cantelas

15:30 - 15:40

- Toward the Intrinsic Taxonomic Distribution of Small Near-Earth Objects
Andy López-Oquendo

15:40 - 15:50

- Characterizing Near-Earth Objects with Polarimetry in the framework of the NEOPOPS project
Emily Frank

15:50 - 16:00

- Characterizing potential impactors inside the NEOPOPS project: The case of 2025 FA22
Simone Ieva



Thursday, July 9

14:30-16:00 Surveys & Data Mining, Room 1

Chairs: Siegfried Eggl & Toni Santana Ros

14:30 - 14:40

- Every JWST Image is a Movie: Recovering Trailed Asteroids in the JWST NIRCam Archive by Differencing Group Reads
Anthony Girmenia

14:40 - 14:50

- A Search for Vulcanoids in STEREO/HI1 images
Quanzhi Ye

14:50 - 15:00

- J-ARRAS: near-UV spectrophotometry of Solar System small bodies with the JST250/JPCam
David Morate

15:00 - 15:10

- Search for L4 Earth Trojan Asteroids With the 2.5-meter Wide Field Survey Telescope
Junqiang Lu

15:10 - 15:20

- New Software, New Tracklets, Same Images: Applying Modern Tools to the NEAT Data set
Nicole Tan

15:20 - 15:30

- Large survey of V-type asteroids
Edyta Podlowska-Gaca

15:30 - 15:40

- A Heliocentric-orbiting Objects Processing System (HOPS) for the Wide Field Survey Telescope
Shaohan Wang

15:40 - 15:50

- Active Asteroids In the Rubin Science Validation Survey: Searching for Appearing and Disappearing Objects
Adam Wilson

15:50 - 16:00

- Detecting surface color heterogeneity of small Solar System bodies with survey data
Oriel Humes



Thursday, July 9

14:30-16:00 Centaurs & Trans-Neptunian Objects, Room 2

Chairs: Josselin Desmars & Simon Porter

14:30 - 14:40

- Final Catalog from the DECam Ecliptic Exploration Project (DEEP)
Pedro Bernardinelli

14:40 - 14:50

- Preliminary Results from the Occultation by Haumea on 2026 May 4
Jose L. Ortiz

14:50 - 15:00

- Size-Dependent Compositional Trends in Cold Classical TNOs and the Processes Responsible For Them
Will Grundy

15:00 - 15:10

- New Constraints On Primordial Nitrogen Chemistry In The Outer Protoplanetary Disk From Organics-Type Trans-Neptunian Objects
Sasha Cryan

15:10 - 15:20

- The Rings of (2060) Chiron: Evidence of an Evolving System
Chrystian L. Pereira

15:20 - 15:30

- Has the Dust Settled? Tracing the 2021 Brightening Episode of Centaur (2060) Chiron with Six Years of Survey Photometry
Joseph Murtagh

15:30 - 15:40

- The RENOIR survey: Possible Evidence of Surface Transformation and Color Bimodality in the Centaur Population
Eva Lilly

15:40 - 15:50

- The Snowball Fight Happening in the Dark: How the Low-speed/High-porosity Conditions of Comet Nuclei Produce Unrecognizable Impact Craters
Jordan Steckloff

15:50 - 16:00

- Kuiper Belt Formation: The Role of Grainy Planetary Migration and Primordial Plutos
Patryk Sofia Lykawka



Thursday, July 9

16:00-18:00 Poster session:

AS = Asteroids Science: Dynamics, Evolution & Physical Properties

MSM = Multiple Systems & Moons

NEO = Near Earth Objects & Planetary Defence

SM = Spacecraft Missions

OPC = Outreach, Popularisation & Citizen-Science

SDM = Surveys & Data Mining

16:00-17:30 ERC Q&A - funding opportunities

19:00 Banquet



Friday, July 10

9:00-11:00 Plenary session, Aula Magna

Chair: Gonzalo Tancredi

9:00 - 9:30

- Hayabusa2's New Challenge: (98943) Torifune Flyby Exploration
Makoto Yoshikawa

9:30 - 10:00

- The Renaissance of Meteor Physics: New Optical and Radar Perspectives
Denis Vida

10:00 - 10:30

- Progress in Planetary Defense: Discovery, Risk Assessment, and Response
Steven Chesley

10:30 - 11:00

- Closing Summary

11:00-11:30 Coffee Break

11:30 Excursions



Poster Session Tuesday – July 7, 16:00-18:00

Centaurs & Trans-Neptunian Objects

Poster number	Presenting author	Poster title
CTNO1	Cameron Collyer	Weywot in the Quaoar System
CTNO2	Camille Chatenet	Trans-Neptunian Objects with MICADO
CTNO3	Laura Buchanan	Investigating TNO Spectra Predictions from Optical Slope and Phase Angle
CTNO4	Milagros Colazo	Historical Surveys to Rubin First Look: Absolute Colors of Trans-Neptunian objects
CTNO5	Patryk Sofia Lykawka	A Distant Earth-Class Planet (Planet X2) as an Architect of the Trans-Neptunian Region
CTNO6	Simon Porter	Updated Shapes and Orbits of the Small Satellites of Pluto
CTNO7	Tania Le Pivert-Jolivet	Ices and Organics Composition of Centaurs Using NIRSpec/JWST
CTNO8	Wesley C. Fraser	The Compiled Size Frequency Distribution of Kuiper Belt Objects
CTNO9	Adriano Campo Bagatin	Collisional Evolution of Outer Solar System Small Bodies: Linking the Kuiper Belt and Jupiter Trojans
CTNO10	Anastasia Morgan	Spectral Evolution and Thermal Desorption of CO from CO ₂ -Dominated Thin-Film Ice Mixtures
CTNO11	Anne Verbiscer	Investigating TNO and Centaur Surface Properties Via the Opposition Effect
CTNO12	Josselin Desmars	Orbit of Pluto from Long Term Astrometry and Constraints on the Location of Planet 9
CTNO13	Laura Woodney	Forming Rapid Response Campaigns For Centaurs
CTNO14	Nataliya Kovalenko	Dynamical Evolution of Damocloids
CTNO15	Oleksandra Ivanova	Distant Activity of Centaur C/2023 RS61 (PanSTARRS)
CTNO16	Samantha Hemmelgarn	The Colors of Jupiter Family Comet-Sized Centaurs
CTNO17	Sasha Cryan	Molecular Carriers Of The 4.9 μ m Feature On Trans-Neptunian Objects Revealed By JWST/DiSCo-TNOs
CTNO18	Vitalii Kuksenko	Analysis of Brightness and Color Evolution of Active Centaur (2060) Chiron Observed by the Two-meter Twin Telescope
CTNO19	Zhihao Fu	Planetesimal Formation via Cloud Collapse in the Kuiper Belt
CTNO21	Kavelaars Jj	Deep Ground Based Searches for New Horizons Encounter Targets



Poster Session Tuesday - July 7, 16:00-18:00

Comets & Transition Objects

Poster number	Presenting author	Poster title
CTO1	Bryce Bolin	JWST Characterization of Oort Cloud Comets C/2014 UN271 (Bernardinelli–Bernstein) and C/2025 K1 (ATLAS)
CTO2	Chadwick Trujillo	Discoveries from the HyperActive Asteroids Survey
CTO3	Gwenaëlle Dufour	HC3N and HNCO Study in Comet 12P/Pons-Brooks
CTO4	Maxwell Frissell	Cometary Activity Discovered on Minor Planets 2005 EC272 and (507119) 2009 SR143
CTO5	Mohamad Ali-Dib	Gravity's Role in Shaping Boulder Distributions on 67P/Churyumov-Gerasimenko
CTO6	Olena Shubina	Dust Activity In Comet 67P/Churyumov–Gerasimenko During Its Current Return
CTO7	Paweł Kankiewicz	Dynamical Evolutionary Scenarios of Near-Polar Halley-Type Comets
CTO8	Sarah E. Anderson	A Comprehensive Reanalysis of the Blue Comet C/1908 R1 (Morehouse) from Century-Old Astronomical Plates
CTO9	Yu-chi Cheng	Short-Term Dynamics of Short-Period Comets: Identifying "Fresh" Comets and Their Observational Appearances
CTO10	Abbie Donaldson	The Shapes and Surfaces of Jupiter-Family Comets as Revealed by Ground-Based Optical Photometry
CTO11	Adam McKay	A Multi-Faceted Optical Study of Comet 103P/Hartley 2 During the 2023-2024 Apparition: Narrowband Imaging and Spectroscopy
CTO12	Anton Pomazan	Photocenter Shift and Astrometry Analysis of Comet C/2023 A3 (Tsuchinshan–ATLAS)
CTO13	Brian Keeney	A Database of Coma and Nucleus Emissions from 67P/Churyumov-Gerasimenko Using UV Observations by Rosetta-Alice
CTO14	Daejhae Smith	A Search for Extended Emission in Dormant Comets Via a Remnant Emission Survey Tool (REST)
CTO15	Emmanuel Jehin	TRAPPIST Monitoring of Periodic Comets 67P/Churyumov-Gerasimenko and 103P/Hartley 2 at Two Different Perihelion Passages
CTO16	Federica Spoto	Modernizing Comet Processing at the Minor Planet Center
CTO17	Galin Borisov	Investigation of the Colour Distribution in the Coma of the Disintegrating Comet C/2025K1 (ATLAS)
CTO18	Geraint Jones	Raking Grains: Growing Evidence for Solar Wind Influences on Comets' Dust Tails
CTO19	Gulchehra Kokhirova	Activity of Jupiter-Family Comet P/2019 LD2 (ATLAS) in 2020
CTO20	Gulchehra Kokhirova	Optical Photometry of Comet C/2021 S3 (PANSTARRS) in 2024
CTO21	Jianchun Shi	The Distant Activity of Long-Period Comet C/2023 A3 (Tsuchinshan–ATLAS)



Poster Session Tuesday - July 7, 16:00-18:00

Comets & Transition Objects

CTO22	Lea Ferellec	An Optical Survey of Comet Volatile Composition up to 3.5au
CTO23	Leonid Shakun	Photometry and Imaging Polarimetry of Comet C/2012 S1 (ISON) at Heliocentric Distances from 4.8 to 0.8 au
CTO25	Marc Fouchard	Gas Drag in the Oort Cloud: a Long Term Effect
CTO25	Maria Gritsevich	The Disintegration of Comet C/2025 K1 (ATLAS)
CTO26	Matthew Knight	On-Sky Results with New Comet Narrowband Filters: High Cadence Monitoring of C/2024 E1 (Wierzchos)
CTO27	Philippe Rousselot	Effects of Collisions in the Cometary CN Spectrum
CTO28	Rhiannon Hicks	Preliminary Albedos and Trends for JFC Bare Nuclei
CTO29	Said Hmiddouch	Comparative Analysis of Light Curves, Dust–Gas Activity, and Dynamical Evolution in Long-Period and Dynamically New Comets
CTO30	Valerii Kleshchonok	Dust Environment of Comet 67P/Churyumov–Gerasimenko Near Perihelion Based on Photometry of the Nucleus Shadow from Rosetta/OSIRIS
CTO31	Valerii Kleshchonok	Features of Comet 67P/Churyumov–Gerasimenko in the 2021/2022 Apparition
CTO33	Yaeji Kim	Development of an AI-Based Detection Pipeline for Near-Sun Comets in STEREO Imaging Data
CTO33	Yanga Fernandez	Comet Science with NEO Surveyor
CTO34	Yu-chi Cheng	Spectroscopic Survey of Bright Comets in Lulin Observatory
CTO35	Anna Conanec	Study of the Abundances of Oxygen and Sulphur in the Dust Particules of 67P/Churyumov-Gerasimenko
CTO36	Abhinav Jindal	Augmented Geomorphic Mapping of Cometary Landscapes



Poster Session Tuesday - July 7, 16:00-18:00

Interstellar Objects

Poster number	Presenting author	Poster title
IO1	Anton Pomazan	Probabilities of Dynamical Interactions Between 3I/ATLAS and Native Solar System Bodies
IO2	Ariel Graykowski	Color Evolution of 3I/ATLAS Through Ground-Based Relay Observations
IO3	Bryce Bolin	Comprehensive Visible and Near-Infrared Characterization of 3I/ATLAS During its Encounter with the Solar System
IO4	Colin Chandler	NSF-DOE Vera C. Rubin Observatory Observations of Interstellar Comet 3I/ATLAS (C/2025 N1)
IO5	Dominique Bockelée-Morvan	3I/ATLAS' Coma Composition at Perihelion from Observations with the IRAM 30-m Telescope
IO6	Kurt Retherford	Europa-UVS, JUICE-UVS, and LRO-LAMP Observations of Interstellar Comet 3I/ATLAS: Different Views by Three Similar Instruments
IO7	Manuela Lippi	Exploring the Volatile Composition of the Interstellar Visitor 3I/ATLAS with CRIRES+
IO8	Simon Porter	3I/ATLAS as Observed by NASA PUNCH WFI
IO9	Hanjie Tan	Perihelion Asymmetry In The Water Production Rate Of The Interstellar Object 3I/ATLAS
IO10	Hima Ramrooch	Studying the Activity Drivers of Comet 3I/ATLAS with VLT/MUSE
IO11	Man To Hui	Nucleus and Postperihelion Activity of Interstellar Object 3I/ATLAS Observed by the Hubble Space Telescope
IO12	Said Hmiddouch	TRAPPIST Photometric Monitoring of the Activity and Composition of the Third Interstellar Object 3I/ATLAS
IO13	Hanjie Tan	Perihelion Asymmetry in the Water Production Rate of the Interstellar Object 3I/ATLAS



Poster Session Tuesday - July 7, 16:00-18:00

Meteorites, Samples & Planetary Systems Evolution

Poster number	Presenting author	Poster title
MSPS1	Tomas Kohout	Non-Linear Space Weathering Evolution with Combined Solar Wind and Micrometeorite Impact Components
MSPS2	Ayaka Okuya	Observational Prospects for Water in Exoplanetary Minor Bodies Around White Dwarfs
MSPS3	Mária Hajduková	Solar System Small Bodies Approaching Nearby Star Systems
MSP35	Arika Higuchi	Effects of Gas Drag on the Orbital Evolution of Small Bodies in the Galaxy Augmented Geomorphic Mapping of
MSPS6	Raphael Marschall	A Modified Formation Scenario of the Proto-Solar Disk Constrained by the Xenon Composition of Comets
MSPS7	Silvia Maria Giuliatti Winter	Stable Regions in Kepler-90 Planetary System: Possible Reservoir of Small Bodies
MSPS8	Naoya Torii	Ring Formation Around Giant Planets by Tidal Disruption of a Large KBO: The Dynamical Fate of Tidal Fragments
MSPS9	Rifah Anjum Priti	Deriving Exoplanets' Structural and Dynamical Properties from Mass-Radius Relations: Linking Composition, Spin and Atmospheric Parameters
MSPS10	Shunjing Zhao	Late Migration of CI-like Bodies: From Main Belt Structure to Lunar Impact and Water Delivery
MSPS11	Thamiris De Santana	Tidal Migration and Dynamical Stability of Earth-Like Moons Orbiting Giant Exoplanets
MSPS12	Yixiao Liu	Joint Precision Orbit Determination and Dynamic Parameter Estimation of Neptune and Triton
MSPS13	Sarah E. Anderson	The Ménétreöl meteorite: Rapid Recovery of a Uniquely Documented Ordinary Chondrite Fall
MSPS14	Simone De Angelis	Spectral Characterization of Martian Meteorites with High Resolution VIS-IR Imaging Spectroscopy in the 0.35-5.1 μm Range
MSPS15	Daniel Ostrowski	Physical Properties Similarities and Difference Across Meteorite Types
MSPS16	Danielle Vosper	Experimental Investigations into Impacts on Metal Meteorites and the Production of a Metal-Rich Regolith
MSPS17	Evan O'Neal	Classification Scheme for Bennu Stones Using X-ray Computed Tomography
MSPS18	Juraj Tóth	Pusté Úľany Meteorite in Slovakia - the Smallest Recorded Meteorite Fall - Physical, Mineralogical, Chemical, and Radionuclide Analyses
MSPS19	Karri Muinonen	Scattering-Matrix Measurements of Cosmic Dust Analogues: Parametrisation and Classification
MSPS20	Marjorie Galinier	Searching for Analogues of Andesitic Meteorite Erg Chech 002 with Near-Infrared Spectroscopy
MSPS21	Patrycja Poźniak	Phase Coloring in Meteorites and Its Relevance to Asteroid Spectroscopy



Poster Session Tuesday - July 7, 16:00-18:00

Meteors & Meteoroids

Poster number	Presenting author	Poster title
MM1	Maria Gritsevich	Persistence and Detectability of the 1892 Outburst Dust Trail of Comet 17P/Holmes
MM2	Althea Moorhead	A Model of the Distribution of Meteor Magnitudes
MM3	Dario Barghini	Ten Years of Observations of the Italian PRISMA Fireball Network: Results and Perspectives
MM4	David Čapek	Spin Rate and Fragmentation Processes of Meteoroids Derived from Meteor Clusters
MM5	Filip Hlobik	Tracing the Origins of Spectrally Classified Meteoroids in the AMOS Data
MM6	Gulchehra Kokhirova	Near-Earth Asteroids Associated with the Chi-Orionid Meteoroid Stream
MM7	Juraj Tóth	Possible Asteroidal Meteor Showers from AMOS Data
MM8	Lukáš Shrbený	Recent Meteorite Falls Observed by the European Fireball Network
MM9	Mária Paprskárová	Double-Peaked Meteors Analysis via Differential Ablation and Fragmentation Modelling
MM10	Martina Kováčová	Search for the True Parent Body of the Phoenicids
MM11	Nagatoshi Nogami	A New Mechanism Proposal of Long Life Emission of Meteor Persistent Trains
MM12	Regina Rudawska	Recent Advances in the IAU Meteor Data Centre
MM13	Regina Rudawska	On the Relationship Between Meteor Showers 20/COM, 32/DLM, 90/JCO, and 506/FEV
MM14	Toshihiro Kasuga	Destruction of Comet 289P/Blanpain and Production of the Phoenicids
MM15	Vlastimil Vojáček	Physical Properties of τ Herculid Meteoroids from the 2022 Outburst: a Fragmentation Modelling Study
MM16	Alberto Castro-Tirado	Refraction Correction for Low-Elevation Meteor Observations
MM17	Andrea Dahlmo Løkke	Meteor Head Echoes Observed with EISCAT VHF Between 2014 and 2025
MM18	Ariane Courtot	A New Analysis of D-Criteria Reliability
MM19	Daiki Nobe	Evolution of the Dust Trail of (3200) Phaethon Through Spectroscopic Observation of the Geminid Meteor Shower
MM20	Dušan Tomko	Meteor Showers on Mercury, Venus and Mars Originating in Comet 21P/Giacobini-Zinner
MM21	Hadrien Devillepoix	Data Release of Atmospheric Weather Models Calculated Around 300+ Meteorite Falls and Spacecraft Re-Entries



Poster Session Tuesday - July 7, 16:00-18:00

Meteors & Meteoroids

MM22	Hugo Joly	Meteor Trajectory Retrieval from BRAMS Data: Updates and Improvements
MM23	Ioana Lucia Boaca	Physical Properties of Meteoroids and Heliocentric Orbits of Parent Bodies
MM24	Irina Luciana San Sebastián	Argentina's First Recovered Meteorite Fall with a Reconstructed Orbit
MM25	Jiri Borovicka	Physical Properties of α -Capricornids and Comparison with Some Other Cometary Streams
MM26	Marco Delbo	The Twin Impact Lunar Telescope Network & Geminids 2025 Observations
MM27	Patrick Shober	The Great Meteorite Filters: Thermal Fracturing and the Atmosphere
MM28	Patrick Shober	Automated Detection of Meteorite Falls Using Doppler Weather Radar
MM29	Pavel Koten	Properties of Low Perihelion Meteor Showers
MM30	Ryushin Miyake	The Taurid Meteor Shower: Chemical Composition and Parent Body Investigation Based on Spectroscopic Observations
MM31	Svitlana Kolomiyets	On Direct and Retrograde Meteoroid Motion in the Solar System
MM32	Thomas Stevenson	Dynamic Trajectory Analysis of Meteoroids Showing Minimal Deceleration
MM33	Vlastimil Vojáček	Spectroscopic Analysis of Hydrogen and Silicon in Bright Fireballs: New Insights into Meteoroid Composition
MM34	Aishabibi Ashimbekova	Impact Ejecta from Near-Earth Asteroids as a Source of Meteor Showers
MM35	Ariane Courtot	Impact Risk from the Venus Circumsolar Dust Ring
MM36	Andrea Lokke Dahlmo	The MAARSY Catalogue of Micrometeoroid Orbits



Poster Session Tuesday - July 7, 16:00-18:00

Methods, Tools & Instrumentation

Poster number	Presenting author	Poster title
MTI1	Mutong Hu	Quantifying Methodological Elongation Bias in Asteroid Shape Reconstruction
MTI2	Christian Wöhler	Imaging Polarimetry of the Tails of Comets C/2023 A3 (Tsuchinshan-ATLAS), C/2025 A6 (Lemmon), and C/2026 R3 (PanSTARRS)
MTI3	Johannes S. Laur	First Steps Toward Wind Retrieval from BRAMS Forward-Scatter Meteor Radar Observations
MTI4	Altair Gomes-Júnior	When Nothing Happens: Using Negative Occultation Chords to Improve Ephemerides
MTI5	Dora Föhring	The ESA Flyeye-1 Telescope: Status and Path to the Operational Near-Earth Object Survey
MTI6	Gijs Verdoes Kleijn	The General Open Orbital Dynamics (GOOD) Platform
MTI7	J. M. Bauer	Comets Without Coma: Nucleus Extraction for the NEO Surveyor Mission
MTI8	Julio Camargo	The LIneA Occultation Prediction Database -Stellar Occultation Predictions in the LSST Era-
MTI9	Karri Muinonen	Radiative Transfer and Coherent Backscattering in the Particulate Surfaces of Small Solar System Objects
MTI10	Stijn Calders	Deep Learning-Based Meteor Detection Using Radio Meteor Zoo-Labelled Spectrograms
MTI11	Yaqiong Wang	Dynamic Lagrangian Mascon Learning for Irregular-Body Gravity Modeling
MTI12	Zijie Tang	G-FLAG: A GPU-Accelerated Code for Large-Scale Gravitational Discrete Element Simulation
MTI13	Bruno Morgado	Probabilistic Estimation of Asteroid Sizes from Single-chord Stellar Occultations: Application to Jupiter's Trojans
MTI14	Chrystian L. Pereira	SORA-RINGS: Detection Limits and Physical Characterization of Ring Features
MTI15	Dale Giancono	High-Speed Observations of Asteroid Occultations Using Event Based Cameras
MTI16	Juan Luis Rizos	An Open-Access Web Tool for Light Curve Simulations and Analysis of Small Solar System Objects
MTI17	Kate Minker	Speckletacular! A Survey of Binary Asteroid Systems with Speckle Interferometry
MTI18	Maria Gritsevich	BOOTES All-Sky Monitoring for Meteor Detection
MTI19	Nicholas Moskovitz	The Lowell Discovery Telescope, Designed for Solar System Work



Poster Session Tuesday - July 7, 16:00-18:00

Methods, Tools & Instrumentation

MTI20	Petr Pokorny	Synergy of Smart Telescopes and Machine-Learning for Citizen Scientist Enabled Stellar Occultation Observations
MTI21	René Duffard	StreakMind: AI Detection and Analysis of Satellite Streaks in Astronomical Images with Automated Database Integration
MTI22	Siegfried Eggl	Rubin Rocks: Accessing NEO Dynamical Histories
MTI23	Vitalii Kuksenko	Verification of Transformations Between Standard Photometric Systems for Small Solar System Bodies on Main-Belt Asteroid Color Data
MTI25	Ian Wong	Probing the Origin and Interiors of Jupiter Trojans through JWST spectroscopy of collisional family members
MTI26	Wanling Yang	Balancing Gravity Sensitivity and Nonlinear Estimation Robustness in Low-Altitude Small-Body Gravity Recovery
MIT27	Laura Inno	Tailkit: A Forward-Modelling Framework for the Characterization of Cometary Dust Environments in Rubin LSST Data



Poster Session Tuesday - July 7, 16:00-18:00

Laboratory Studies & Experimental Planetary Science

Poster number	Presenting author	Poster title
LS1	Pierre Hardy	A Cometary Fluorescence Model of Cyanogen in the Near-Infrared
LS2	Alexia Duchêne	The Compressive Strength of Cohesive Granular Materials in Low Gravity
LS3	Cecily Sunday	Grain-Scale and Gravity Effects on Granular Avalanches
LS4	Chrysa Avdellidou	Impact Cratering and Euclite Contamination on Bennu
LS5	Dominik Belousov	In-situ THz Spectroscopy to Resolve Sub-Surface Icy Pebbles on Comets
LS6	Haruna Toyoshima	Temperature Rise Beneath Impact Craters in Wet Sand Occurs Over a Wider Region Than in Dry Sand
LS7	Nicol Latsia	The Silence Of The Asteroids
LS8	Tetsushi Sakurai	Experimental Study on Impact Fragmentation of Asteroid Boulders: Effect of Underlying Particle Size
LS9	Alice Amsili	Pressure Dependence of Seismic Velocities
LS10	Audrey Smith	Investigating Sublimation of Complex Mixtures of H ₂ O and D ₂ O in Cometary Evolution
LS11	David Čapek	Realistic 3D Shape Models of Meteoroids and Small Monolithic Asteroids
LS12	Erika Kaufmann	The Planetary Surfaces Laboratory: Experimental Space Research at Luleå University of Technology
LS13	Hatsune Okawa	Impact Experiments on Heterogeneous Targets: Effects of Particle Size and Burial Depth on Ejecta Velocity and Angle
LS14	Léonie Gasteiner	Design and Characterization of Cohesive Planetary Simulants
LS15	Naomi Murdoch	Status and Expected Performance of the GRAVITE Active Drop Tower for Variable Gravity Experiments
LS16	Reia Kakinoki	Effects of Subsurface Structure on Crater Morphology and Impact-Induced Vibration: Impact Experiments on Regolith-Covered Cohesive Targets
LS17	Taiyo Inoue	Experimental Study on Translational and Rotational Velocities and Blackbody Temperature of Simulated Space Debris
LS18	Will Grundy	Laboratory Measurement of Vapor Pressures of Volatile Ices at Low Temperatures: C ₂ H _x Hydrocarbons
LS19	Yusuke Tani	Spin Period and Shape of Hypervelocity Impact Fragments: Implications for the Formation of Fast-Rotating Asteroids
LS20	Mikael Granvik	Solar Irradiation is Sufficient for Breaking Up and Removing Fragments of CI-Chondrite-Like Material from Asteroid Surfaces



Poster Session Thursday - July 9, 16:00-18:00

Asteroids Science: Dynamics, Evolution & Physical Properties

Poster numer	Presenting author	Poster title
AS1	Aldo Dell'Oro	Debiasing Mutual Collision Statistics Among Asteroids. The Role of the Choice of the Orbital Elements
AS2	Anoud Alzaabi	(269) Justitia's UAE Occultation Campaign
AS3	Apostolos Christou	The Gaussian Orbital Distributions of Small Family Asteroids
AS4	Bhuvan Agrawal	Betrothed Coordination Number and Porosity, No More
AS5	Bruno Morgado	An Irregular Shape and Surface Characterization of the Jupiter Trojan (3317) Paris from a Multi-technique Investigation
AS6	Bryce Bolin	The Discovery and Characterization of Active Asteroid and Tianwen-2 Rendezvous Target 311P/PANSTARRS (2013 P5)
AS7	Chan-kao Chang	The Spin-Rate and Lightcurve-Amplitude Distributions of Main-Belt Asteroids from the FOSSILI Survey
AS8	Elena Vchкова Bebekovska	Integration of GAIA Data with Dense Photometric Observations: the Case of Asteroid 4940 Polenov
AS9	Elo Tuominen	Mass Estimation with Photocenter-Barycenter Offsets for (44) Nysa Based on Gaia Astrometry
AS10	Emma Gross	Preliminary Near-Infrared Spectral Analysis of the Gaia V-Type Asteroids (1904) Mashevitch and (1914) Hartbeespoortdam
AS11	Federica Spoto	Discovery Credits and a New Numbering Algorithm at the Minor Planet Center
AS12	Jessica Agarwal	Unusual Active Asteroid P/2023 JN16
AS13	John Wimarsson	The Role of Particle Shape and Size Frequency Distribution in Tidal Disruption of Rubble Piles
AS14	Mohamad Ali-Dib	Dynamical Constraints on the Origin of (269) Justitia
AS15	Qing Zhang	Spectral Evolution of Ceres' Surface and Implications for Space Weathering
AS16	Sofiia Mykhailova	Spectroscopic Survey of Primitive Asteroids with SALT and GTC Telescopes
AS17	Anicia Arredondo	Long-Term Mid-Infrared Photometry and Spectroscopy of (1) Ceres with SOFIA
AS18	David Trilling	Identifying Water-Ice on Main-Belt Asteroids in JWST Data
AS19	Gordana Apostolovska	Shape Modelling and Spectral Classification of Asteroid (1011) Laodamia from Dense and Sparse Photometry
AS20	Hsuan-ting Lai	Dynamical Migration Pathways of Themis Family Asteroids
AS21	Josef Hanuš	Age-Dependent Rotational and Shape Properties of Asteroid Families
AS22	Joshua Emery	Surface Heterogeneity on Trojan Asteroids: (4709) Ennomos and its Family



Poster Session Thursday - July 9, 16:00-18:00

Asteroids Science: Dynamics, Evolution & Physical Properties

AS23	Ghoulam Imad Eddine Boudiba	Multi-Occultation Characterization of Jupiter Trojan (4709) Ennomos: Size, Albedo, and Implications for a Collisional Family
AS24	Julia Perła	Size, Non-convex Shape Model, and Bulk Density of Asteroid (203) Pompeja
AS25	Kaushik Mukherjee	Disk-Resolved Hapke Parameters of (4) Vesta from a Reproducible Dawn Framing Camera Pipeline aaaa
AS26	Lakshika Palamakumbure	Aging in Space: Space Weathering Age of S-type and V-type Asteroid Families
AS27	Lingrui Zhai	Photometry and Rotational Period Analysis of Near-Earth Asteroids Based on Antarctic Telescope Observations
AS28	Michelangelo Formisano	Thermophysical Analysis of the EMA Mission Target Asteroids: Mapping Temperature and Illumination Distribution
AS29	Myungjin Kim	DEEP-South: Survey and Physical Characterization of Small Solar System Bodies
AS30	Tanguy Chope	Towards a Community Standard for Stellar Occultation Results: an EPN-TAP Extension and Prototype Service
AS31	Thomas Dyer	The Dependence of Asteroid Rotation on Composition: A Spectral Class Database for MP3C
AS32	Vasyl Shevchenko	Dark Asteroids Without an Opposition Effect
AS33	Wolfgang Beisker	The Occultation Observation Network In Europe From The European Section Of The International Occultation Timing Association (IOTA/ES)
AS34	Zachary Murray	A Combinatorics-Inspired Robust Loss Function: Application to Asteroid Phase Curves
AS35	Ziyu Liu	Cross-Longitude Collaboration Between Lulin and OHP for Mutual Events Observations
AS36	Lucia Francesca Civati	Metastability and Shape-Induced Resonant Structures in Ejecta Dynamics



Poster Session Thursday - July 9, 16:00-18:00

Multiple Systems & Moons

Poster number	Presenting author	Poster title
MSM1	Lucia Francesca Civati	Constraining Didymos' Internal Structure and Physical Properties from Observed Shape and Spin
MSM2	Rafael Sfair	From the Moon to multiple planets: co-orbital formation from lunar ejecta
MSM3	Wen-han Zhou	Phobos's Formation Ring Was Removed by the Eclipse-Yarkovsky Effect
MSM4	Antoine Bourget	Shape Model of the Near-Equal Binary Near-Earth Asteroid (190166) 2005 UP156
MSM5	Ashish Cavale	A Monte Carlo Assessment of Asteroid (101955) Bennu's Internal Density Distribution from OSIRIS-REx Gravity Field Data
MSM6	Brian Keeney	Occultation Confirmation that (16974) Iphime is a Binary
MSM7	Haeun Kim	Long-Term Photometric Investigation of the Main-Belt Binary Asteroid (7344) Summerfield
MSM8	Daniel Sheward	Statistical Analysis of Lunar Impact Flashes
MSM9	Marjorie Galinier	Study of the Contaminants of Saturn's Mid-Sized Icy Moons: the Case of Dione.
MSM10	Nikhil Keshav	Photometric Mapping of Phobos's Heterogeneity
MSM11	Özgür Karatekin	Thermal Infrared Imager TIRI Observations of Mars and Deimos During Hera's Mars Swing-by
MSM12	Thomas Dyer	Infrared-to-Visible Albedo Ratio of Phobos: Comparison with Primitive Asteroids
MSM13	Yifei Jiao	Tidal Stripping of a Pre-Existing Moon Explains the Origin of Saturn's Rings and Planetocentric Impactor Population
MSM14	Zhong-yi Lin	The Results of the LIFs Geminids Campaign Taiwan (LGCT)
MSM15	Filippo Tusberti	New Insight Into the Didymos Surface: Geological Map Using both DRACO and Unexplored LICIACube/LUKE Images
MSM16	Magdalena Polińska	Current Status of Eclipsing Synchronous Binary Asteroids
MSM17	Wojciech Burzyński	Search for Asteroid Moons
MSM18	Juan Luis Rizos	Morphological and Spectral Analysis of the 11 September 2013 Lunar Impact Using LRO Data
MSM19	Kelsi Singer	Empirical Constraints on Ejecta Characteristics and Scaling Laws from Secondary Craters on Icy and Rocky Worlds
MSM20	Xian Shi	Lunar Impact Flash Monitoring with Infrared Differential Detectors
MSM21	Yuto Araki	Detection Performance of Simultaneous Three-Color Observations of Lunar Impact Flashes using the 3.8 m Seimei Telescope/TriCCS
MSM22	Carolyn Ernst	Updates to the Deimos Shape Model Using Hera and Hope Images



Poster Session Thursday - July 9, 16:00-18:00

Near Earth Objects & Planetary Defence

Poster number	Presenting author	Poster title
NEO1	Ayyub Guliyev	Anomalous Comet Tails, Meteoroid Streams and 11-year Solar Activity Cycle
NEO2	Benjamin Sharkey	JWST Observations of Earth Quasi-Satellite (469219) Kamo'oalewa
NEO3	Brian Murphy	Area-Based Risks of Meteoroid Swarms for Satellite Giga-Constellations
NEO4	Carson Fuls	NEOfixer: A Targeting Broker for Coordinated Near-Earth Object Follow-Up in the Rubin/NEO Surveyor Era
NEO5	Edoardo Gramigna	Gravity Imaging Radio Observer (GIRO): Enabling High-Accuracy Small-Asteroid Mass Determination for Planetary Defense Missions
NEO6	Eric MacLennan	Evidence of Surface Heterogeneity on (163693) Atira from Spectroscopy, Polarimetry, and Lightcurve Photometry
NEO7	Francisco Ocaña	Recent Planetary Defence Observational Advances at ESA's NEO Coordination Centre
NEO8	Grigori Fedorets	Observations of Very small NEAs with High Eccentricities and Inclinations
NEO9	Jules Bourdelle de Micas	The NEO Physical Observations and Properties Simulation (NEOPOPS) Project
NEO10	Junxin Gao	Dual-Spacecraft Flyby Mass Estimation of (99942) Apophis: Sensitivity Analysis
NEO11	Lorenzo Fiacadori	Machine Learning Analysis of DART Ejecta Dynamics and Predictability Limits
NEO12	Luisa Fernanda Zambrano Marin	3122 Florence: Multi-Wavelength Observations for Shape Model
NEO13	Qifeng Cheng	Characterizing Vera Rubin Observatory's Earth Impactor Discovery Performance and the Case for Complementary Survey Strategies
NEO14	Sara Falcionella	Exploiting Gaia FPR Asteroid Observations to Improve Orbit Determination
NEO15	Selina Machnitzky	Identifying Under Detected Near-Earth Asteroid Density Regions in Orbital Element Space
NEO16	Yurii Kruhlyi	Photometric Survey of Near-Earth Asteroids: Impact on Binary and Contact Binary Asteroids
NEO17	Andrea Farina	First Two Years of NEAs Spectroscopic Observations within the NEOPOPS Project at Asiago Observatory
NEO18	Carolyn Ernst	Improving the DART-Based Didymos Shape Model in Preparation for Hera
NEO19	Chenyang Huang	Hidden Load-Bearing Networks Govern Impact-Induced Dynamic Responses in Rubble-Pile Asteroids
NEO20	Andy Rivkin	Distinguishing Metallic from Rocky Objects for Planetary Defense



Poster Session Thursday - July 9, 16:00-18:00

Near Earth Objects & Planetary Defence

NEO21	Elisabeta Petrescu	Didymos' Orbital Changes Post DART Impact
NEO22	Ellen S. Howell	Near-Earth Asteroid Thermal Modeling
NEO23	Flaviane Venditti	Mission Accessible NEAs Observed at the Arecibo Observatory
NEO24	Javier Rodríguez Rodríguez	Shape Models and Spin Parameters of Near-Earth Asteroids and Potentially Hazardous Subpopulation Derived from Lightcurve Inversion
NEO25	Karolina Dombek	A Spherical Approximation for Mapping Photocenter Offset
NEO26	Karolina Dziadura	Impact of Asteroid Shape on Photocenter–Barycenter Offsets
NEO27	Marco Fenucci	From Orbit to Ground: Pre-Impact Meteorite Strewn Field Predictions for Planetary Defence
NEO28	Marek Husárik	Rotation, Size, Taxonomy, and Convex 3D Shape of 1998 TU3 and 2004 VA
NEO29	Melissa Brucker	Spacewatch Astrometric Follow-Up of Near-Earth Asteroids
NEO30	Mohamed Amine Miftah	Physical Characterization of NEA (154244) 2002 KL6 Using Radar and Optical Observations
NEO31	Mu-lin Liu	Near-Earth Flyby of Asteroid Binaries
NEO32	Nicholas Moskovitz	NEO Reconnaissance by the Mission Accessible Near-Earth Object Survey (MANOS)
NEO33	Nicolas Erasmus	A Fully Automated Rapid-Response Programme for Near-Earth Asteroid Follow-Up at the SAAO
NEO34	Othon Winter	Investigation of the Chaotic Evolution of NEOs in Kinetic Impact Missions
NEO35	Regina Rudawska	NEOCC FITS Image Archive: A Resource for Precovery and Orbit Refinement
NEO36	Remington Cantelas	Reevaluating the Tidal Resurfacing Hypothesis for Q-type NEOs
NEO37	Sabina D. Raducan	Post-impact Ejecta Re-accumulation on Dimorphos and Implications for Hera Gravity Measurements
NEO38	Santiago Iglesias Álvarez	Photometric Data from the Two-meter Twin Telescopes (TTT) in Support of Radar Observations of Near-Earth Asteroids
NEO39	Takato Nishio	Asteroid Velocity Change in Disruptive Impacts: Momentum Transfer Modified by Target Gravity
NEO40	Thobekile Ngwane	Probing the Overabundance of X-type Asteroids Among Small Near-Earth Asteroids
NEO41	Tomasz Kwiatkowski	Photometry and Modelling of Two Very Small Near Earth Asteroids 2020 WG and 2024 RJ32 from a Single Apparition
NEO42	Tzu-heng Chang	Numerical Modeling of Asteroid Internal Structure for the Hera and RAMSES Missions
NEO43	Tzu-heng Chang	PEANUTS (Pipeline for the Estimation of Asteroid iNternal structure) for the Hera and RAMSES ESA space missions
NEO44	Zhijun Song	Deciphering Active Asteroid Evolution and Kinetic Impact Parameters From DART Ejecta Morphology



Poster Session Thursday - July 9, 16:00-18:00

Spacecraft Missions

Poster number	Presenting author	Poster title
SM1	Runsong Lu	Simulated Mass and Rotation Estimation of the Tianwen-2 Target Kamo'olewa with Added Landmark Data
SM2	Wutong Gao	Estimating the Gravity Field of Asteroid Ryugu from Hayabusa2 Mission Data and Its Implications for Hemispheric Heterogeneity
SM3	Marcel M. Popescu	Compositional Constraints on the Anti-Mars Side of Deimos from HyperScout-H Observations aboard ESA's Hera Spacecraft
SM5	Heyam Alblooshi	Emirates Mission to the Asteroid Belt (EMA): ConOps Development, System Complexity Management, and National Capability Growth
SM6	Jeremy Knittel	Science-Enabling Navigation for the Emirates Mission to the Asteroid Belt
SM7	Joseph Masiero	Design And Current Status of the Survey Data System For NASA's NEO Surveyor Mission
SM8	Laura Lee	A Taxonomic Characterization of Targets in the Emirates Mission to the Asteroid Belt
SM9	Matthias Noeker	Overview of Current Small Solar System Bodies Activities in the German Space Science Programme
SM10	Max Mahlke	Jayrock: JWST Observation Planning and Simulation for Minor Bodies
SM11	Max Mahlke	Identification of the PRIAMOS Sample-Return Target for ESA's M8 Mission
SM12	Othon Winter	An Evaluation of Solar Sail Sizes when Station Keeping Asteroids with Different Dimensions and Ellipsoidal Shape
SM13	Alexander Stark	The Laser Altimeter on Hera Mission (PALT-H)
SM14	Ariel Graykowski	The LUSTER Mission Concept for Simultaneous NUV-Visible Monitoring Of Comets and Asteroids from the Moon
SM15	Fatema AlHameli	Low-Thrust Multi-Asteroid Mission Design for the Emirates Mission to the Asteroid Belt
SM16	Jason Soderblom	Comet.Photos: An Interactive Tool for Rapidly Searching and Displaying Small Body Images by Spatial Location and Other Properties
SM17	Juan L. Rizos	The Large Smooth Patch on Comet 9P/Tempel 1: Remnant of a Recent Past Event
SM18	Katherine Shirley	Optimizing Bandpass Filter Selection for the Thermal InfraRed Imager on ESA's Comet Interceptor



Poster Session Thursday - July 9, 16:00-18:00

Spacecraft Missions

SM20	Neil Bowles	MIRMIS - the Modular Infrared Molecules and Ices Sensor for ESA's Comet Interceptor
SM21	Sonia Fornasier	Activities of the Comet Interceptor Comet Environment Working Group
SM22	Xiao-duan Zou	AN10-GravProbe: A Flyby Mission for Direct Gravity-Field and Environmental Characterization
SM23	Alexia Duchêne	The mass-ratio of binary asteroid systems using laser altimetry: A case study using Hera's Planetary Altimeter (PALT-H)
SM24	Alexia Duchêne	Using the Planetary Altimeter (PALT-H) Measurements on Board Hera to Determine the Mass of Dimorphos



Poster Session Thursday - July 9, 16:00-18:00

Outreach, Popularisation & Citizen-Science

Poster number	Presenting author	Poster title
OPC1	Sabrina Sughi	ESCAPE MOON: Discovering the Solar System, Meteor Streams and the Moon with an Escape Room
OPC2	Josef Hanuš	Stellar Occultation of (107) Camilla on 17 January 2026: Improved Shape Model and Constraints on the Satellite Orbit
OPC3	Kristina Lopez	Metadata For All: Improving PDS FAIRness Through Conference Outreach
OPC4	Przemyslaw Bartczak	A 3D-Printed Robotic Networkable Nano-Observatory for High-Precision Tracking of Bright and Fast-Moving Celestial Objects
OPC5	Sabina Raducan	The International Space Science Institute (ISSI): Opportunities For Small Body Research
OPC6	Simon Anghel	Navigating the Future of Research: Empowering Discovery with the Science Explorer Platform
OPC7	Tomasz Kluwak	High-Cadence Photometry of Two NPA Rotators Using Commercial Off-the-Shelf Equipment



Poster Session Thursday - July 9, 16:00-18:00

Surveys & Data Mining

Poster number	Presenting author	Poster title
SDM1	Siegfried Eggl	Ultrafast Rotating Asteroids in the Rubin First Light Dataset
SDM2	Zhaoxing Liu	Asteroid Light Curves and Rotation Periods from the TESS Ecliptic Sectors
SDM3	Preeti Cowan	A Catalogue of Asteroids from the MOA Survey
SDM4	Alreem Alzarouni	Asteroid Taxonomic Classification for EMA CNAC Using Synthetic Color Ratios from Gaia Spectra
SDM5	Anne Verbiscer	A Deep, Wide Search for a New Horizons Flyby Target and Deep Exploration of the Kuiper Belt Luminosity Function-Size Frequency Distribution
SDM6	Apurva Balaji	End-to-End Asteroid Precovery Pipeline
SDM7	Kacper Najda	Synthetic Tracking in SST and NEO Observations
SDM8	Nayan Jangid	Assessing the Impact of Orbital Datacenter Constellations on Asteroid Discovery Rates for LSST
SDM9	Soon Jie Chong	Asteroid Detection in OmegaCAM Images with Machine Learning
SDM10	Xiaobin Wang	Small Solar System Objects in the Chinese Space-Station Survey Telescope (CSST) survey
SDM11	An-li Tsai	Asteroid Detection Efficiency in Blazar Monitoring Fields: A Serendipitous Calibration Study
SDM12	Bhaskar Mondal	Hidden in Plain Sight: Asteroids in South Pole Telescope Survey Data
SDM13	David Trilling	Active Asteroid Identification with The Solar System Notification Alert Processing System (SNAPS)
SDM14	Samuel Cornwall	Evaluating HelioLinC3D Linking Efficiency with Full Scale LSST Inner Solar System Simulations
SDM16	Samuel Zalma	Sensitivity of Orbit-Fitting to the Quality of Astrometric Data: from Gaia DR3 to DR4
SDM16	Steven Stetzler	A Catalog of Single-Night Tracklets and Densely Sampled Light Curves of Main Belt Asteroids to VR~23.5





ASTEROIDS
COMETS
METEORS

6-10 VII 2026 Poznań