



Conference Programme

Sunday, July 5

17:30-20:00 Ice-breaker

Monday, July 6

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

Welcome Addresses:

- Jacek Bogusławski, Member of the Executive Board of the Wielkopolskie Voivodeship
- Prof. dr hab. Bogumiła Kaniewska, Rector of Adam Mickiewicz University, Poznań
- Prof. dr hab. Teofil Jesionowski, Rector of Poznań University of Technology

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

chairs: TBD

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
Xie Huan

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

chairs: TBD

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
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: TBD

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: TBD

11:30 - 11:40

- Physical Properties of Near-Sun-Asteroid Surfaces via Laboratory Experiments and Polarimetric Observations
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
Estepan 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: TBD

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 Centaurs & Trans-Neptunian Objects, Room 1

chairs: TBD

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
Vega 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: TBD

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
Tim Lister

15:00 - 15:10

- Layup: Orbit Fitting at LSST Scale
Ryan Lyttle

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: TBD

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
Stefanie Milam



Monday, July 6

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

chairs: TBD

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 Decade of Stellar Occultation by Small Bodies Observation in Algeria
Djounai Baba Aissa

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

- From Myth to Matter: How Ancient Greek Mythology Interpreted Meteors, Comets and Celestial Events
Maria Gatsou

17:50 - 18:00

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



Monday, July 6

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

chairs: TBD

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
Isto 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. Rizos

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

16:30-18:00 Free city tour



Tuesday, July 7

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

chairs: TBD

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: TBD

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 Eggl

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: TBD

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

- Tracking the CN and C2 Evolution of Interstellar Object 3I/ATLAS using VLT MUSE
Erica Molnar-Bufanda

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: TBD

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: TBD

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
Vincent Okoth



Tuesday, July 7

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

chairs: TBD

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: TBD

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



ASTERIODS
COMETS
METEORS

6-10 VII 2026 Poznań

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

chairs: TBD

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: TBD

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: TBD

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
Jeremie 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: TBD

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
Giuliano 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: TBD

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
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: TBD

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 (Wierzchoś) 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: TBD

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

- The Hydration and Mineralogy of Main Belt Asteroids from JWST
Katherine De Kleer

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: TBD

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: TBD

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: TBD

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
Eros Gradovski

17:20 - 17:30

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

17:30 - 17:40

- Thermal Inertia Estimation of Small Asteroids by Light Curve Phase Lags
Sorato Wada

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

16:30-18:00 Free city tour



Thursday, July 9

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

chairs: TBD

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: TBD

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

- Study of the Non-Gravitational Forces Acting on Long-Period Comets
Margherita Maria Revellino



Thursday, July 9

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

chairs: TBD

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 Sergeev

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: TBD

11:30 - 11:40

- Physical Parameters of Space Mission Asteroid Targets
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: TBD

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: TBD

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

- Single-Apparition Phase Curves from ATLAS survey: Photometric Parameter Determination
Jonatan Michimani Garcia

15:50 - 16:00

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



Thursday, July 9

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

chairs: TBD

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
Patrik Sofia Lykawka



ASTERIODS
COMETS
METEORS

6-10 VII 2026 Poznań

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

chairs: TBD

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