

ACTIVE SMALL BODIES IN THE SOLAR SYSTEM
OVER A WIDE RANGE OF HELIOCENTRIC DISTANCES

5-8 September 2023, Stará Lesná, Slovakia

PROGRAM

Monday 4 th September	
18:00 – 21:00	Welcome Cocktail – Hotel Lesná Registration

Tuesday 5 th September	
8:00 – 8:45	Registration
8:45	OPENING
9:00	Nicolas Biver (key note talk) <i>Chemical composition of comets</i>
9:30	Stavro Ivanovski (key note talk) <i>Cometary coma models</i>
10:00	Dennis Bodewits <i>Probing Radiative Processes in Cometary Atmospheres: Spectral Modeling, Observational Opportunities, and Challenges</i>
10:15	Juraj Országh <i>Excitation-Emission Cross Sections for Electron Impact Excitation of Carbon Monoxide</i>
10:30 – 11:00	COFFEE BREAK AND POSTER SESSION
11:00	Michael Kelley (key note talk) <i>JWST observations of two short-period comets</i>
11:30	Jean-Baptiste Vincent (key note talk) <i>Morphological evolution of cometary surfaces</i>
12:00	Cyrielle Opitom <i>Using IFUs to characterize the distant activity of comets</i>
12:15	Bryce Bolin <i>The volatile content of giant Oort cloud comet C/2014 UN271 during its return to the planetary region</i>
12:30 – 14:00	LUNCH TIME
14:00	Christopher Kreuzig (key note talk) <i>Comet Simulation in the Laboratory</i>
14:30	Noria Brecher <i>Structural changes of illuminated water ice samples</i>
14:45	Clement Feller <i>Following the superficial water ice content in sublimating ice-dust mixtures</i>
15:00	Vladimir Zakharov <i>Stationary expansion of gas mixture from a spherical source into vacuum</i>
15:15	Dina Prialnik <i>The effect of early history on the activity of comets – long-term evolution models</i>
15:30 – 16:00	COFFEE BREAK AND POSTER SESSION

16:00	Evgenij Zubko <i>On temporal variations of linear polarization in several recent comets</i>
16:15	Said Hmiddouch <i>Monitoring the activity and the composition of comet C/2017 K2 (PANSTARRS)</i>
16:30	Mikołaj Sabat <i>New Constraints on Cometary Activity of 'Oumuamua from Lyman-alpha Images Obtained by SOHO/SWAN</i>
16:45	Simon Anghel <i>Meteoroid mass estimation based on well-known atmospheric impacts</i>
17:00 – 18:00	Discussion

Wednesday 6th September	
8:30	Raphael Marschall (key note talk) <i>Comets are Fragments: What the Kuiper Belt Size Distribution Tells Us About Its Collisional Evolution</i>
9:00	Cecilia Tubiana (key note talk) <i>The Comet Interceptor Mission</i>
9:30	Carey Lisse <i>Consequences for Solar System Formation and Evolution of the Early Activity & Removal of Bulk Hypervolatile CO, N₂, and CH₄ Ices by Evaporative Sublimation from Small Bodies</i>
9:45	Colin Snodgrass <i>Identification of Targets for ESA's Comet Interceptor Mission</i>
10:00 – 10:30	COFFEE BREAK AND POSTER SESSION
10:30	Dominique Bockelée-Morvan (key note talk) <i>Linking the gas and dust activity of distant comet 29P/Schwassmann-Wachmann 1</i>
11:00	Yuri Skorov (key note talk) <i>Dependence of modelled cometary gas production on the layer transport properties</i>
11:30 – 12:30	LUNCH TIME
12:40 – 17:00	EXCURSION

Thursday 7 th September	
9:00	Henry Hsieh (key note talk) <i>Active Asteroids: A Review of Recent Studies and Future Prospects</i>
9:30	Fernando Moreno (key note talk online) <i>Active asteroids, natural and artificial: The DART mission</i>
10:00	Maria Mastropietro <i>Activity of Main-Belt Comet 324P/La Sagra</i>
10:15	Jian-Yang Li <i>Long-term Evolution of the Dimorphos Tail Observed by Hubble Space Telescope</i>
10:30 – 11:00	COFFEE BREAK AND POSTER SESSION
11:00	Karri Muinonen (key note talk) <i>Scattering and absorption of light in asteroid regoliths</i>
11:30	Adam McKay (key note talk) <i>JWST Observations of Centaurs: CO₂ and CO Production Rates</i>
12:00	Eva Lilly <i>A Hundred Sleeping Beasts: The Lack of Activity Among Centaurs Between Jupiter and Uranus</i>
12:15	Volodymyr Reshetnyk (online) <i>Dust tail simulation for asteroid 6478 Gault</i>
12:30 – 14:00	LUNCH TIME
14:00	Harald Krüger <i>The DESTINY+ Mission to the Active Asteroid (3200) Phaethon</i>
14:15	Andreas Hein <i>Missions to Study Interstellar Objects at Various Heliocentric Distances</i>
14:30	Peter Jevčák <i>Detection of Cometary Activity on Centaur 2014 OG392</i>
14:45	Yan Fernandez <i>Characterizing Activity in Centaur-to-JFC Transition Object P/2019 LD2</i>
15:00	Iryna Kulyk (online) <i>Physical properties of Centaur 174P/Echeclus: post perihelion follow up observations</i>
15:15	Daniel Kastinen <i>Radar observability of near-Earth objects using EISCAT 3D</i>
15:30 – 16:00	COFFEE BREAK AND POSTER SESSION
16:00	Bin Liu <i>Tianwen-2 mission target asteroid (469219) 2016 HO3: preliminary spectroscopic observation results from Gran Telescopio CANARIAS (GTC)</i>
16:15	Charles Schambeau <i>Bridging the Gap Between TNOs and JFCs: A Large and Long Investigation of Centaurs and Distantly Active Jupiter-Family Comets</i>
16:30	Maria Womack (key note talk online) <i>Observations of Active Centaurs and Distant Comets</i>
17:00 – 18:00	Discussion
19:00	SOCIAL DINNER

Friday 8 th September	
9:00	Andrew Rivkin (key note talk) <i>Ejecta Creation and Evolution After the DART Impact</i>
9:30	Ludmilla Kolokolova (key note talk) <i>Large particles in active small bodies</i>
10:00	Michal Drahus <i>Detailed modeling of the active asteroid P/2012 F5</i>
10:15	Silvia Ďurišová <i>Dealing with the parent bodies in the Meteor Data Center</i>
10:30 – 11:00	COFFEE BREAK AND POSTER SESSION
11:00	Sonia Fornasier (key note talk online) <i>The Asteroids-Comets-TNOs continuum</i>
11:30	Simone Ieva <i>The TRANSient NEOs, the missing link in the asteroids-comets continuum</i>
11:45	Joel Parker <i>Close Observations of Outer Solar System Small Bodies</i>
12:00	Agata Rožek <i>Application of NoiseChisel to detecting faint small-body activity with the LSST</i>
12:15	CLOSING
12:30 – 14:00	LUNCH TIME

POSTER PRESENTATIONS
Sana Ahmed <i>Formation of Organic Species in the Gas Phase Cometary Coma</i>
Gabriel Borderes Motta <i>May a comet dynamically capture and keep meteoroids in its vicinity?</i>
Mária Hajduková <i>No evidence for interstellar meteors in the CNEOS database</i>
Marek Husárik <i>Photometric investigation of (493) Griseldis and (6478) Gault in their last apparitions</i>
Oleksandra Ivanova <i>Microphysics of dust in distant comets</i>
Kateryna Kulish <i>Quasi-simultaneous photometric, polarimetric, and spectral observations of comet 108P/Ciffreo</i>
Igor Luk'yanyk <i>Physical properties of extrasolar comets based on simulation of asymmetric dimming events in the TESS and Kepler data base</i>
Olena Shubina <i>Study of comets C/2020 V2 and C/2022 E3 through narrowband filters</i>
Volodymyr Troianskyi <i>Observations of the near-Earth asteroid (4660) Nereus</i>
Anhelina Voitko <i>Comet 29P/Schwassmann-Wachmann 1 during its activity outburst in 2020</i>