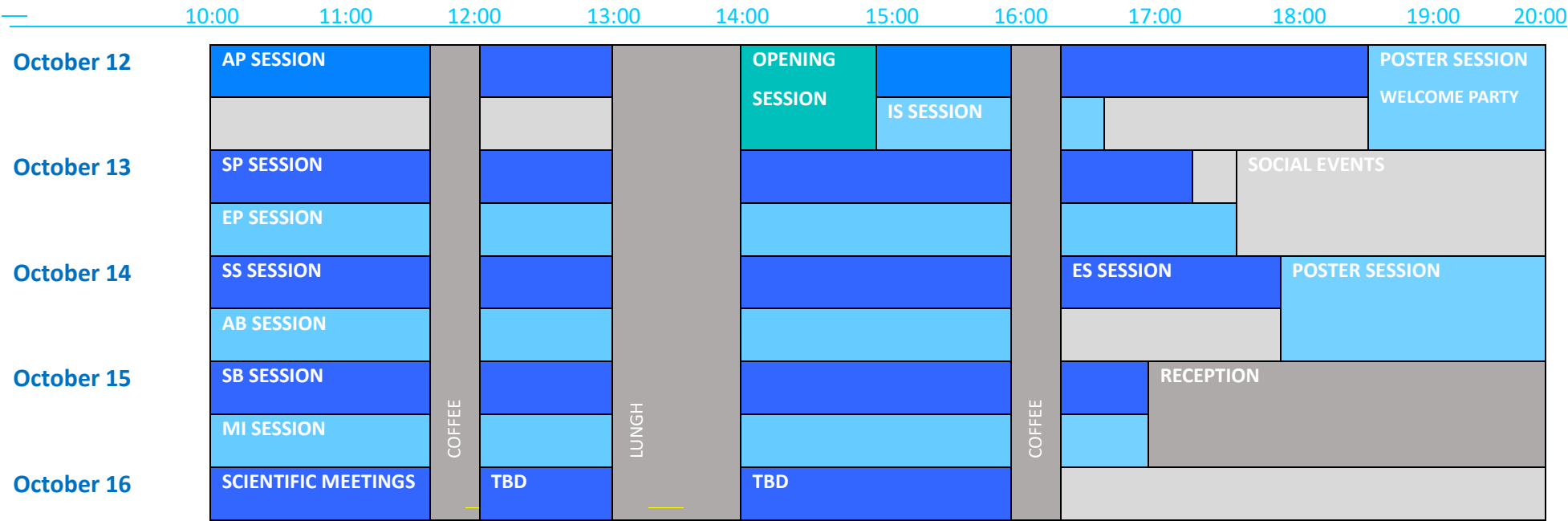


Overview 17M-S³ Program
THE SEVENTEENTH MOSCOW SOLAR SYSTEM SYMPOSIUM (17M-S³)
IKI RAS, 12-16 October 2026



- AP SESSION

IS SESSION

OPENING SESSION/ [IKI CONFERENCE HALL](#)
ATMOSPHERES OF PLANETS SESSION/ [IKI CONFERENCE HALL](#)
INTERNAL STRUCTURE OF PLANETS AND MOONS SESSION/ [IKI EXHIBITION HALL](#)
- SP SESSION

EP SESSION

SURFACES OF PLANETS AND MOONS SESSION/ [IKI CONFERENCE HALL](#)
EXTRASOLAR PLANETS SESSION/ [IKI EXHIBITION HALL](#)
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ES SESSION

AB SESSION

SOLAR SYSTEM IN THE LAB SESSION/ [IKI CONFERENCE HALL](#)
EXOSPHERES OF AIRLESS BODIES SESSION/ [IKI CONFERENCE HALL](#)
ASTROBIOLOGY SESSION/ [IKI EXHIBITION HALL](#)
- SB SESSION

MI SESSION

SMALL BODIES INCLUDING SPACE DUST SESSION/ [IKI CONFERENCE HALL](#)
PLANETARY MISSIONS AND SCIENTIFIC INSTRUMENTATION SESSION/ [IKI EXHIBITION HALL](#)
- SCIENTIFIC MEETINGS/ [IKI CONFERENCE HALL](#)
POSTER SESSION/ [IKI EXHIBITION HALL](#)

17M-S3 SCIENTIFIC PROGRAM

Monday, 12 October 2026			
OPENING SESSION			14.00-15.00
Convener: Lev ZELENYI conference hall, second floor TBD			
Monday, 12 October 2026			
Session 1. ATMOSPHERES OF PLANETS			10.00-13.00
Conveners: Oleg KORABLEV, Anna FEDOROVA conference hall, second floor			
17MS3-AP-01	Hiroki ANDO et al	Long-term variability of the Venusian atmosphere studied with Venus Express and Akatsuki radio occultation measurements / <i>Invited talk</i> /	10.00-10.20
17MS3-AP-02	Dmitrij TITOV and Z. WANG	Venus cloud top morphology: from VMC/ Venus Express to UVI/ Akatsuki	10.20-10.40
17MS3-AP-03	Dmitry GORINOV et al	Venus Nightside Lower and Middle Cloud Atmospheric Circulation from IR2/Akatsuki Data	10.40-11.00
17MS3-AP-04	Jinjin ZHAO and Dmitrij TITOV	Venus Cloud Morphology: Vertical Coupling and Temporal Evolution from Venus Express Multispectral Imaging	11.00-11.20
17MS3-AP-05	Masahiro TAKAGI et al	Angular momentum balance of the Venus atmospheric superrotation in and above the cloud layer / <i>Invited talk</i> /	11.20-11.40
Coffee-break			11.40-12.00
17MS3-AP-06*	Mikhail RAZUMOVSKIY and B. FOMIN	Compact flux-fitting k-distribution parameterizations suitable for radiation blocks in Venus climate models	12.00-12.20
17MS3-AP-07	Andrey KIRILLOV et al	Electronic kinetics and emissions of carbon monoxide in discharges in CO ₂ -N ₂ -CO atmospheres	12.20-12.40
17MS3-AP-08	Anastasiia IVANOVA et al	Studies of the atmospheres of giant planets based on data obtained at the SAO RAS	12.40-13.00
Lunch			13.00-14.00
OPENING SESSION			14.00-15.00
conference hall, second floor			
Session 1. ATMOSPHERES OF PLANETS (Continuation)			15.00-18.20
Conveners: Oleg KORABLEV, Anna FEDOROVA conference hall, second floor			
17MS3-AP-09	Denis BELYAEV et al	Martian neutral atmosphere from the mesosphere to CO ₂ exobase: a multi-mission climatology from occultation experiments	15.00-15.20
17MS3-AP-10	Anna FEDOROVA et al	Non-migrating tides in the Martian mesosphere from temperature measurements of TGO and IUVS/MAVEN	15.20-15.40
17MS3-AP-11*	Anastasia ROMANOVA et al	Interannual variations of the Martian seasonal cycle based on data from the HEND/Odyssey experiment	15.40-16.00
Coffee-break			16.00-16.20
17MS3-AP-12	Anatoliy PAVLOV and A. A. GOROKHOV	Destruction of methane by negative ions in the lower atmosphere of Mars. A possible solution to the methane problem	16.20-16.40
17MS3-AP-13	Hanlin YE and Jinsong PING	Terrain-Modulated Illumination and Incoming Solar Radiation on Mars: Implications for Atmospheric Simulation Models and Mission Planning	16.40-17.00
17MS3-AP-14	Tatiana ERMAKOVA et al	The Northern Hemisphere Stratosphere in the Past and Future: A Comparative Analysis of Temperature, Vertical Velocity, and Heat Transport	17.00-17.20
17MS3-AP-15	Andrey KOVAL et al	The Impact of Solar Activity on Global Wave Processes in the Middle and Upper Atmosphere: Numerical Modeling	17.20-17.40
17MS3-AP-16	Grigory TSURIKOV et al	Analysis of Earth's polar thermosphere overcooling during geomagnetic storms	17.40-18.00
17MS3-AP-17*	Sofiia BLAZHNOVA et al	Temporal and spatial characteristics of sporadic charged particle fluxes in the orbit around Mars, as measured by the HEND instrument onboard Mars Odyssey	18.00-18.20
POSTER SESSION, WELCOME PARTY			18.30-20.30
exhibition hall, ground floor			

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Monday, 12 October 2026			
OPENING SESSION conference hall, second floor			14.00-15.00
Session 2. INTERNAL STRUCTURE OF PLANETS AND MOONS Convener: Tamara GUDKOVA exhibition hall, ground floor			15.00-16.30
17MS3-IS-01	Ekaterina KRONROD et al	A physically based stratified model of the lunar crust: comparison with an exponential compaction model	15.00-15.15
17MS3-IS-02	Alexey BATOV et al	Tectonic stresses in the Cerberus region on Mars according to the analysis of digital relief models	15.15-15.30
17MS3-IS-03	Egor KULIK and Tamara GUDKOVA	On the dependence of the value of the Chandler period of Mars on the mineralogy and temperature of the mantle	15.30-15.45
Coffee-break			15.45-16.20
17MS3-IS-04	Anton SALNIKOV et al	Toward a global model of the Martian crustal magnetic field using legacy orbital magnetic observations	16.00-16.15
17MS3-IS-05	Ivan BORONIN and Tamara GUDKOVA	Inversion Results for Venus' Internal Structure with Probabilistic Approach: Elastic and Inelastic Models	16.15-16.30
POSTER SESSION, WELCOME PARTY exhibition hall, ground floor			18.30-20.30

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Tuesday, 13 October 2026			
Session 3. SURFACES OF PLANETS AND MOONS			10.00-17.15
Convener: Mikhail IVANOV conference hall, second floor			
17MS3-SP-01	Svetlana DEMIDOVA	Ancient magmatism of the eastern part of the lunar nearside as recorded in Luna-16 soil sample	10.00-10.15
17MS3-SP-02*	Artem LYSENKO et al	Thermal-cycling resistance of lunar regolith simulant samples produced by selective laser melting	10.15-10.30
17MS3-SP-03	Nikita SHANDROV et al	Local water-rich regions in the lunar south polar area from LEND data	10.30-10.45
17MS3-SP-04	Zhiguo MENG et al	Retrieving Geothermal Heat Flow of the Moon Using Onboard Passive Microwave Remote Sensing Data	10.45-11.00
17MS3-SP-05	Sergey KRASILNIKOV et al	Small-scale crater morphology on the Moon	11.00-11.15
Coffee-break			11.15-11.30
17MS3-SP-06	Jun HUANG et al	Geology of Rimae Bode region as priority site candidate for China's first crewed lunar mission	11.30-11.45
17MS3-SP-07	Zhanna RODIONOVA et al	Some Features of Crater Distribution in the Polar Regions of the Moon	11.45-12.00
17MS3-SP-08	Ekaterina FEOKTISTOVA et al	The De Gerlach–Shackleton Crater Region as a Potential Landing Site for Future Lunar Missions	12.00-12.15
17MS3-SP-09*	Olga CHERNENKO et al	Design of a Small-Scale Capsule's Return from the Lunar Surface	12.15-12.30
17MS3-SP-10	Alexey ANDREEV et al	Development of a Lunar Observation System for the Determination of the Moon's Rotation Parameters	12.30-12.45
17MS3-SP-11	Alexander BASILEVSKY et al	Geologic-morphologic analysis of Malapert Mons on the Moon	12.45-13.00
Lunch			13.00-14.00
17MS3-SP-12	Alexander GUSEV	Geological exploring of the Moon: rare earth elements	14.00-14.15
17MS3-SP-13	Mikhail IVANOV et al	Geology of the western portion of Noachis Terra on Mars	14.15-14.30
17MS3-SP-14	Ekaterina CHOLOVSKAIA and Mikhail IVANOV	Geological settings of clay minerals in the western Noachis Terra, Mars	14.30-14.45
17MS3-SP-15	Dmitry GOLOVIN et al	Local water rich regions in the equatorial area of Mars by FREND/TGO data	14.45-15.00
17MS3-SP-16*	George BAROEV et al	Investigation of seasonal variability in passive measurements of the DAN instrument onboard the Curiosity rover	15.00-15.15
17MS3-SP-17	Daria EVDOKIMOVA et al	SPICAV IR and VMC collocated observations to explore the Venus surface properties	15.15-15.30
17MS3-SP-18	Mikhail IVANOV et al	Emissivity variations of extensive rock units on Venus from the VMC data	15.30-15.45
Coffee-break			15.45-16.00
17MS3-SP-19	Mikhail IVANOV et al	Selection of landing sites of the Venera-D mission	16.00-16.15
17MS3-SP-20*	Danil MALYSHEV and Mikhail IVANOV	Spatial distribution and evolution of coronae and large volcanoes in Ulfrun and Beta Regiones, Venus	16.15-16.30
17MS3-SP-21	Victor GUBAREV et al	Results of gamma-ray measurements performed by the MGNS instrument during the cruise phase of the BepiColombo mission to Mercury	16.30-16.45
17MS3-SP-22*	Askaniy ANPILOGOV	A unified approach to photometric transformations and celestial object color determination	16.45-17.00
17MS3-SP-23*	Yaroslav ILYUSHIN and Hongli ZHAO	Calculation of Radar Reflections from Relief Surfaces of Celestial Bodies	17.00-17.15

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Tuesday, 13 October 2026			
Session 4. EXTRASOLAR PLANETS			10.00-17.40
Convener: Alexander TAVROV			
exhibition hall, ground floor			
17MS3-EP-01	Piero D'INCECCO et al	Using Venus and Terrestrial Volcanic Analogs to Interpret Rocky Exoplanets	10.00-10.20
17MS3-EP-02*	Grigory MOROZOV and Elena BELENKAYA	Dependence of Exoplanet Properties on Their Location Relative to the Habitable Zone	10.20-10.40
17MS3-EP-03	Vladislava ANANYEVA and Alexander TAVROV	Dependences of the Mass Distribution of TESS Transiting Giant Planets on Planetary Orbital Periods and on Host Star Masses	10.40-11.00
17MS3-EP-04	Anastasiia IVANOVA et al	Photometric observations of exoplanets by the SAO RAS	11.00-11.20
17MS3-EP-05	Elza BUSLAEVA and Elena BELENKAYA	Comparison of exoplanet characteristics in single and multi-star systems	11.20-11.40
Coffee-break			11.40-12.00
17MS3-EP-06	Grigory TSURIKOV et al	The Spektr-UF space telescope as a tool for studying exoplanet atmospheres	12.00-12.20
17MS3-EP-07	Alexander TAVROV et al	Progress in stellar coronagraphy for exoplanet imaging in IKI RAS	12.20-12.40
Lunch			12.40-14.00
17MS3-EP-08*	Marina RUMENSKIKH et al	Improving exoplanetary magnetic field determination via atomic alignment with inhomogeneous stellar spectra	14.00-14.20
17MS3-EP-09	Roman KISLOV et al	Structure of the planetary wind flow of hot Jupiters with their own magnetic field at different positions of the Alfvén critical surface	14.20-14.40
17MS3-EP-10	Stanislav SHARIPOV et al	Three-Dimensional Modeling of the Atomic Alignment Effect as a Diagnostic of Magnetic Fields in Hot Exoplanets	14.40-15.00
17MS3-EP-11*	Gleb MALYGIN and Elena BELENKAYA	Magnetosphere of the brown dwarf 15 Sge b in a system with a solar-type central star	15.00-15.20
17MS3-EP-12*	Anton KROTOV and Elena BELENKAYA	Magnetosphere of Tau Bootis b in the paraboloid and MHD models	15.20-15.40
17MS3-EP-13	Eduard KUZNETSOV	Resonance properties of the compact four-planet system Kepler-51	15.40-16.00
Coffee-break			16.00-16.20
17MS3-EP-14	Ildar SHAIKHISLAMOV et al	Modeling transit absorption in HI and HeI lines at atmospheres of hot exoplanets following super-flare	16.20-16.40
17MS3-EP-15	Roman EVDOKIMOV and Valery SHEMATOVICH	Residual hydrogen-helium atmospheres of mini-Neptunes: the possibility of formation and stability with taking into account various thermal loss mechanisms and the interior composition	16.40-17.00
17MS3-EP-16	Roman EVDOKIMOV and Valery SHEMATOVICH	Estimate of the influence of interior composition on the thermal atmospheric mass-loss for mini-Neptunes	17.00-17.20
17MS3-EP-PS-13	Danial RAHBARMAH	Ground-Based Spectroscopic Detection of Jupiter-like Planets Orbiting Contact Binary Stars: Minimum Instrumental Requirements and Observational Constraints	17.20-17.30
17MS3-EP-PS-14	Aida RAKIAN	Searching for Circumbinary Planets Around Contact Binary Stars: Methodology, Challenges, and Detection Limits	17.30-17.40

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Wednesday, 14 October 2026			
Session 5. SOLAR SYSTEM IN THE LAB			10.00-15.40
Convener: Mikhail GERASIMOV conference hall, second floor			
17MS3-SS-01*	Ivan AGAPKIN et al	Microwave sintering of lunar soil analogue VI-LH1	10.00-10.20
17MS3-SS-02	Nina SKVORTSOVA et al	Simulation experiments using powerful pulsed gyrotrons for the deposition of lunar dust on metal plates	10.20-10.40
17MS3-SS-03	Sergey VOROPAEV et al	Evaluation of mid-IR spectra of natural silicates for remote sensing of the Moon	10.40-11.00
17MS3-SS-04	Vladimir SHKLOVER and Mikhail GERASIMOV	New frontiers in the microstructural studies of lunar regolith / <i>Invited talk</i> /	11.00-11.30
Coffee-break			11.30-12.00
17MS3-SS-05	Valery SHUVALOV and Boris IVANOV	Impact structures on Venus as a result of asteroid destruction in the atmosphere	12.00-12.20
17MS3-SS-06	Vladimir SVETSOV	Impact erosion of ocean on early Earth	12.20-12.40
17MS3-SS-07	Egor SOROKIN	Mathematical Modeling of a Micrometeorite Impact	12.40-13.00
Lunch			13.00-14.00
17MS3-SS-08	Evgeniya PETROVA et al	Experimental modeling of the formation of the fusion crust of stony meteorites	14.00-14.20
17MS3-SS-09	Maxim ZAITSEV et al	On organic compounds formation induced by the microwave breakdown and plasma-dust clouds generated from nitrogen – carbon dioxide atmospheres and peridotite	14.20-14.40
17MS3-SS-10*	Anna KUZOVCHIKOVA et al	Selection of mineral supplements for lunar regolith simulants improving the conditions of microwave breakdown and the formation of plasma-dust clouds	14.40-15.00
17MS3-SS-11	Anastasia BAKHMUTOVA et al	Synthesis of carbon nanotubes on meteorite metal via alcohol decomposition	15.00-15.20
17MS3-SS-12	Alexander LAVRUKHIN et al	Mercury's magnetospheric magnetic field after the six BepiColombo flybys	15.20-15.40
Coffee-break			15.40-16.20
Session 6. EXOSPHERES OF AIRLESS BODIES SESSION			16.20-18.00
Convener: Alexander ZAKHAROV conference hall, second floor			
17MS3-ES-01	Alexey BEREZHNOY et al	About initial conditions of expansion of impact-produced clouds	16.20-16.40
17MS3-ES-02	Vladimir BUSAREV et al	Further evidence of dust activity of main-belt asteroids from their reflectance spectra	16.40-17.00
17MS3-ES-03	Alexandr SOKOLOV et al	Simulation experiments on deposition of LMS-1D regolith particles on the surface of solar panels in gyrotron discharge	17.00-17.20
17MS3-ES-04	Ilia KUZNETSOV et al	Lunar dust activation processes: Experimental approach	17.20-17.40
17MS3-ES-05*	Stanislav KUZNETSOV and Vladimir BUSAREV	Application of the Particle-in-Cell method to model electrostatic field near airless bodies	17.40-18.00
POSTER SESSION exhibition hall, ground floor			18.00-20.00

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Wednesday, 14 October 2026			
Session 7. ASTROBIOLOGY			10.00-15.20
Convener: Oleg KOTSYURBENKO			
exhibition hall, ground floor			
17MS3-AB-01	Oleg GUSEV	Single-cell level mechanisms of tolerance to extreme desiccation: how a midge can fly to Mars / <i>Invited talk/</i>	10.00-10.40
17MS3-AB-02	Alexander GURIDOV and S.PODDUBKO	Survival of archaea and bacteria under outer space conditions of a polar Earth orbit on the exterior of the BION-M No. 2 spacecraft	10.40-11.00
17MS3-AB-03	Mikhail KARGANOV et al	Fragmentation of Lambda phage dry DNA during exposure outside and inside the Bion-M no. 2 satellite	11.00-11.20
17MS3-AB-04	Daniil BARBASHIN et al	Preliminary Results of GEOHI RAS Experiments Aboard Bion-M No. 2	11.20-11.40
Coffee-break			11.40-12.00
17MS3-AB-05	Yuming FU et al	Sequential exposure reveals stage-specific effects of simulated microgravity and X-ray irradiation on <i>Bacillus mojavensis</i> spore revival	12.00-12.20
17MS3-AB-06	Petar EFTIMOV and N. STEFANOVA	Early embryogenesis in microgravity conditions -from biophysics to signal pathways	12.20-12.40
17MS3-AB-07*	Mikhail ZARUBIN and E.KRAVCHENKO	Tardigrade extreme stress tolerance: implications for radiation biophysics and spaceflight studies	12.40-13.00
Lunch			13.00-14.00
17MS3-AB-08	Sergey BULAT et al	Questioned microbial communities of the subglacial Antarctic Lake Vostok water following 1st lake unsealing: Re-evaluation of previous finds and discovering new ones using nanopore sequencing	14.00-14.20
17MS3-AB-09	Oleg KOTSYURBENKO et al	Astrobiological Research as Part of the Venera-D Space Mission	14.20-14.40
17MS3-AB-10	Alexander SAFRONOV	Space mission: From developing the basic principles of creating habitable planets to the search for intelligent worlds	14.40-15.00
17MS3-AB-11	Elena KADYSHEVICH and Victor OSTROVSKII	Life Origination Hydrate Theory: living-matter origination and development and possible signatures of planetary habitability	15.00-15.20
Coffee-break			15.40-16.20
POSTER SESSION			18.00-20.00
exhibition hall, ground floor			

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Thursday, 15 October 2026			
Session 8. SMALL BODIES INCLUDING SPACE DUST			10.00-17.00
Conveners: Alexander BASILEVSKY, Alexander ZAKHAROV conference hall, second floor			
17MS3-SB-01*	Marina SHCHERBINA and N. KISELEV	New Public Database of Asteroid Polarimetric Observations: Structure, Content, and Scientific Application	10.00-10.15
17MS3-SB-02	Olga TURCHINSKAYA et al	Multiscale 3d modelling of tension-fracture and shear deformation systems on the surface of 67P comet	10.15-10.30
17MS3-SB-03	Maria KIRSANOVA et al	Modeling of H ₂ O and CH ₃ OH Emission Lines in the Coma of a Comet for the Submillimeter Wavelength Range	10.30-10.45
17MS3-SB-04	Sergey POPEL et al	Dusty plasmas at comet nucleus: specific dusty plasma effects and influence of dust particle chemical composition	10.45-11.00
17MS3-SB-05*	Maryan NASTARAN et al	Investigating the structure, microstructure and shock characteristics in the Lut desert chondrite meteorite	11.00-11.15
17MS3-SB-06	Anna KARTASHOVA et al	Observations of Small Bodies of the Solar System at the Terskol and Sanglokh Observatories	11.15-11.30
Coffee-break			11.30-12.00
17MS3-SB-07	Olga POPOVA and D. GLAZACHEV	Classification of UGS-observed fireballs	12.00-12.15
17MS3-SB-08*	Olga CHERNENKO et al	Trajectory Design for the Application of Earth-Resonant Asteroids in Planetary Defense	12.15-12.30
17MS3-SB-09*	Maryan NASTARAN et al	Asteroid Rotation Periods: Statistical Analysis in the Diameter-Spin Distribution	12.30-12.45
17MS3-SB-10	Marina SHCHERBINA et al	Polarimetric and Photometric Characteristics of the Interstellar Comet 3I/ATLAS: Key Features / <i>Invited talk</i> /	12.45-13.00
Lunch			13.00-14.00
17MS3-SB-11	Boris SHUSTOV et al	On detection strategy of dangerous asteroids	14.00-14.15
17MS3-SB-12	Maria SERGIENKO et al	The Southern Delta Aquariids Meteoroid Stream	14.15-14.30
17MS3-SB-13	Elena PODOBNAYA et al	Size frequency distribution of fresh impact clusters on Mars	14.30-14.45
17MS3-SB-14*	Gleb KUCHEROV et al	On the origin of the discovered 250-km-radius plutino atmosphere	14.45-15.00
17MS3-SB-15	Maxim NYRTSOV et al	Measuring Crater Morphometry on Irregular Bodies: Reference Surfaces, Projections, and Distortion	15.00-15.15
17MS3-SB-16	Sergei IPATOV	Migration of bodies from the zone of the giant planets to the terrestrial planets and the Moon	15.15-15.30
17MS3-SB-17	Nadezhda LYASHENKO et al	Dust migration from the outer Solar System under the interstellar gas cloud encounter	15.30-15.45
17MS3-SB-18	Yulia REZNICHENKO et al	Dusty plasma clouds on Venus, the Earth and Mars	15.45-16.00
Coffee-break			16.00-16.30
17MS3-SB-19	Yuriy CHETVERIKOV et al	Monitoring of cosmic dust fallout in Antarctica and global dust emissions	16.30-16.45
17MS3-SB-20	Nuraddin ADIGOZALOV and Vladislav SIDORENKO	Co-orbital population of Venus: presumed members and their possible secular evolution	16.45-17.00
RECEPTION			17.00-20.00

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Thursday, 15 October 2026			
Session 9. PLANETARY MISSIONS AND SCIENTIFIC INSTRUMENTATION			10.00-17.00
Convener: Oleg KORABLEV exhibition hall, ground floor			
17MS3-MI-01	Hanlin YE and Jinsong PING	New Window of Earth Monitoring from Lunar North Pole	10.00-10.20
17MS3-MI-02*	Ekaterina KAZANTSEVA et al	Locating the Blue Ghost M1 Lander on the Lunar Surface Using Radio Interferometric Measurements	10.20-10.40
17MS3-MI-03	Olga TURCHINSKAYA et al	Proposed Route for a Heavy Scientific Rover at the Lunar South Pole: Travel-Time Assessment and Preliminary Operational Timeline	10.40-11.00
17MS3-MI-04	Andrey SHUGAROV et al	Lightweight Lunar Ultraviolet Telescope (LLUT-150) project	11.00-11.20
17MS3-MI-05	Andrey GAROV et al	Joint Luna Data Centre (JLDC): Processing and Visualization of Topographic Information of the Celestial Bodies of the Solar System in Planetary Data Geoportal	11.20-11.40
Coffee-break			11.40-12.00
17MS3-MI-06	Jordanka SEMKOVA et al	Summary of 10-years observation of the radiation environment onboard ExoMars TGO	12.00-12.20
17MS3-MI-07	Kullapha CHAIWONGKHOT et al	Geant4-Based Design Optimization and Performance Estimation of the Sino-Thai Energetic Photon Survey (STEPS) Compact Gamma-Ray Spectrometer Payload for the Chinese Space Station Mission	12.20-12.40
17MS3-MI-08	Thanayuth PANYALERT et al	Environment Characterization for a Gamma-Ray Detector Payload on the China Space Station	12.40-13.00
Lunch			13.00-14.00
17MS3-MI-09	Lev ZELENYI et al	The Venera-D Mission to Venus	14.00-14.20
17MS3-MI-10	Evgeny NIKOLAEV et al	Feasibility of Using the Multi-Electrode Harmonized Kingdom Trap as a Mass Spectrometer for Planetary Research	14.20-14.40
17MS3-MI-11	Mikhail LUGININ et al	Nephelometers for Venus: a Review in the Context of the Upcoming Venera-D Mission	14.40-15.00
17MS3-MI-12	Alexander TROKHIMOVSKIY et al	Infrared Studies of the Venusian Atmosphere Using the VIKa and VIRAL Instruments	15.00-15.20
17MS3-MI-13*	Zhiquan YUAN	Microcomb-based mid-infrared dual-comb spectroscopy with GHz resolution	15.20-15.40
Coffee-break			15.40-16.20
Discussion			16.20-17.00
RECEPTION			17.00-20.00

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POSTER SESSION/ IKI Exhibition hall, ground floor**12 October 18:30-20:30****14 October 18:00-20:00****ATMOSPHERES OF PLANETS SESSION**

17MS3-PS-01*	Aliaksei SVIACHKO et al	Detection Limits of Trace Gas Constituents in Venus Mesosphere modeled for a Solar Occultation Experiment in the Infrared
17MS3-PS-02	Alexander TERTYSHNIKOV	Hydrogen density field at the altitude of the Meteor-2-4 spacecraft in January 2025
17MS3-PS-03	Vladimir VDOVICHENKO et al	Spectral observations of Titan and Saturn in 2024
17MS3-PS-04	Vladimir VDOVICHENKO et al	Features of Methane and Ammonia Absorption along Jupiter's Central Meridian and in the Great Red Spot in 2014–2024
17MS3-PS-05	Vladimir OGIBALOV	Influence of the redistribution of aerosols in altitude within the radiative transfer problem in the NIR bands of CO ₂ and CO molecules under breakdown of vibrational LTE in the daytime Martian atmosphere
17MS3-PS-06	Vladimir OGIBALOV	Method for solution of the radiative transfer problem in the rovibrational bands of the CO ₂ and CO molecules under breakdown of vibrational LTE in the Martian atmosphere with taking account of radiation extinction by aerosols

INTERNAL STRUCTURE OF PLANETS AND MOONS

17MS3-PS-07	Tamara GUDKOVA et al	Search for seismic activity on Venus by pressure perturbations in the atmosphere
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SURFACES OF PLANETS AND MOONS

17MS3-PS-08	Alexander KRASILNIKOV and Mikhail IVANOV	Determination of the mixing factor of local and foreign material in the Langrenus, Cavalerius and Theophilus crater ejecta
17MS3-PS-09*	Alexander VOZISOV and Mikhail IVANOV	Morphology and topographic configuration of the Pallacopas Vallis fluvial system, Mars: Preliminary results
17MS3-PS-10	Alexander KOSOV et al	Radio science experiment on Luna-26 orbiter, Methods and accuracy of gravitation field measurements
17MS3-PS-11	Yury NEFEDYEV et al	Multiparameter harmonic model of asteroid Ryugu using data from the "Hayabusa2" space mission
17MS3-PS-12*	Changqing DING et al	Lunar Near-Surface Radar Sounding Using Ballistic Hopper Trajectories

EXTRASOLAR PLANETS

17MS3-PS-13	Danial RAHBARMAH	Ground-Based Spectroscopic Detection of Jupiter-like Planets Orbiting Contact Binary Stars: Minimum Instrumental Requirements and Observational Constraints
17MS3-PS-14	Aida RAKIAN	Searching for Circumbinary Planets Around Contact Binary Stars: Methodology, Challenges, and Detection Limits

SOLAR SYSTEM IN THE LAB

17MS3-PS-15	Victor GROKHOVSKY et al	Comparison of the metal structure in the mesosiderites Catalina 500 (A3) and Vaca Muerta (B1)
17MS3-PS-16	Dmitry MOISEENKO et al	Laboratory simulation of ions and neutral particles interaction with different materials
17MS3-PS-17*	Razilia MUFTAKHETDINOVA et al	On the dynamic strength of meteorites
17MS3-PS-18*	Ivan AGAPKIN et al	Concentrated solar-simulated sintering of lunar soil analogue VI-LH1

SMALL BODIES INCLUDING SPACE DUST

17MS3-PS-19	Alberto VODNIZA and L. CHAVES	Study of comet 3I/Atlas
17MS3-PS-20	Sergey KOPNIN and Sergey POPEL	Dust particle charging in Jovian magnetospheric plasmas
17MS3-PS-21	Yuri BONDARENKO and D. MARSHALOV	Physical characterization of Near-Earth Asteroid (163899) 2003 SD220 from bistatic radar observations

PLANETARY MISSIONS AND SCIENTIFIC INSTRUMENTATION

17MS3-PS-22*	Egor TARASOV et al	Hardware–Software Complex of the Check-Out Equipment for Ground Testing of the Sampling Device of the Luna-27 Lunar Lander
17MS3-PS-23	Daniil BARBASHIN et al	Development of Fungal Biotechnologies for Lunar Exploration
17MS3-PS-24	Sergei KULIKOV et al	The VAMP experiment: Magnetic field measurements onboard the Venus-D orbiter
17MS3-PS-25*	Vladislav ZUBKO et al	Feasibility of Reaching Extreme Trans Neptunian Objects Using Multi-Planet Gravity Assists
17MS3-PS-26*	Vladislav ZUBKO et al	Low-Energy Multi-Asteroid Missions Using Resonant Orbits, Venus Gravity Assists and Split-Probe Deployment
17MS3-PS-27*	Jiangchao YUAN and Ge DONG	Low-Altitude Rapid Terrain Exploration: A Portable Jetpack Platform with Adaptive Propulsion Control
17MS3-PS-28*	Paparin JAMLONGKUL et al	Preliminary Geant4 simulation study of gamma-ray responses in lunar environment using the MATCH detector onboard Chang'E-7 orbiter
17MS3-PS-29*	Pradiphat MUANGHA et al	Simulation of the ALIGN Payload for Chang'E-8: Neutron-Gamma Discrimination and Background Effects from a Radioisotope Heater Units

* — Participant in the Early Career Researcher Contest