XXI CONGRESSO NAZIONALE DI SCIENZE PLANETARIE

Aula Magna “Manodori” UniMORE
Reggio Emilia
2-6 febbraio 2026

PROGRAMMA PRELIMINARE

Scientific Organising Committee

Davide Grassi (INAF - IAPS) Co-Chair

Manuel Iori (Dipartimento di Scienze e Metodi dell'Ingegneria – UniMORE) Co-Chair

Roberto Orosei (INAF - IRA) Co-Chair

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Andrea Longobardo (INAF - IAPS)

Luca Maggioni (INAF – IAPS)

Matteo Massironi (Dipartimento di Geoscienze – Università di Padova)

Giuseppe Mitri (Dipartimento di Ingegneria e Geologia - Università di Chieti Pescara)

Marco Morelli (MISP – Museo Italiano di Scienze Planetarie)

Giacomo Nodjoumi (Space Science Data Centre – ASI)

Giovanni Pratesi (Dipartimento di Scienze della Terra - Università di Firenze)

Veronica Roccatagliata (Dipartimento di Fisica e Astronomia – Università di Bologna)

Gene Walter Schmidt (INAF – IAPS)

Gianni Strazzulla (INAF – OaCt)

Natalia Amanda Vergara Sassarini (Dipartimento di Geoscienze – Università di Padova)

Local Organising Committee

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Roberto Orosei (INAF -IRA) Co-Chair
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Benedetta Ferrari (DISMI – UniMORE)
Pietro Girardis (DISMI – UniMORE)
Alberto Locatelli (DISMI – UniMORE)
Mirko Mucciarini (DISMI – UniMORE)

Lunedì 2 Febbraio 2026
Palazzo Dossetti - Aula Magna “Manodori”

	09:00	13:00	Mattinata dedicata alle scuole		
	13:00	14:00	Iscrizione e Accoglienza, affissione posters		
	14:00	14:45	Inizio Congresso - Saluti istituzionali - Informazioni Logistiche ai congressisti		
	14:45	15:30	PREMI SISP 2025 Consegna Premi e Relazioni ad Invito dei vincitori •Premio Giovane Ricercatore I Edizione – 2025 •Premio Miglior Articolo da Tesi di Dottorato I Edizione - 2025		
	15:30	16:00	Coffee Break		
Sessione - Pianeti e Satelliti - Mars					
	Chair	**TBD**			
	16:00	16:12	Oxia Planum, Mars: characterizing clay-rich regions	Francesca Altieri	INAF-IAPS
	16:12	16:24	The Geology of East Tempe Terra, Mars	Alessandro Frigeri	INAF-IAPS
	16:24	16:36	Wind streaks in the EXOMars 2028 landing site	Simone Silvestro	INAF-OaCN
	16:36	16:48	Numerical modelization as a way to infer water content in martian landslides	Agnese Caramanico	Università di Urbino
	16:48	17:00	Study of compositional variability of Phobos and Deimos surfaces using TGO/CASSIS images.	Joel Beccarelli	Università di Padova CISAS
	17:00	17:12	Preparation for MIRS investigation on Phobos and Deimos in the framework of the MMX sample return mission	Giovanni Poggiali	INAF-OAA
	17:12	17:30	**Discussione**		

Martedì 3 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Mattutine

Astrobiologia e Astrochimica - Sessione Habitability				
	Chair	**TBD**		
	09:00	09:12	Analysis of solar radiation effects on icy moons surfaces using GEANT4 tool	Mattia Sesso - Uni Trieste
	09:12	09:24	The reactions of atomic oxygen with aromatic compounds and implications for the evolution of extraterrestrial carbonaceous material	Marco Parriani - Uni Perugia
	09:24	09:36	Insights into the habitability of other worlds through laboratory simulations using cyanobacteria capable of far-red photosynthesis	Daniela Billi - Uni Roma Tor Vergata
	09:36	09:48	The prebiotic production of oligonucleotide sequences from 3',5' cyclic nucleotide precursors: what we have learned from field experiments	Giovanna Costanzo CNR-IBPM
	09:48	10:00	**Discussione**	
Sessione Dinamica dei corpi celesti naturali ed artificiali				
	Chair	**TBD**		
	10:00	10:12	Potential interaction of 99942 Apophis with the high Earth orbit population during the 2029 close approach	Giulia Schettino CNR-IFAC
	10:12	10:24	Estimating the steady-state number of Earth’s coorbital bodies derived from I	Elisa Maria Alessi CNR-IMATI
	10:24	10:30	**Discussione**	
	10:30	11:00	Coffee Break	
Sessione In ricordo di Riccardo Pozzobon				
	Chair	**Matteo Massironi**		
	11:00	12:00	Programma in corso di definizione	
Sessione Divulgazione, Didattica e Comunicazione				
	Chair	**TBD**		
	12:00	12:12	A role-playing game for the dissemination of Planetary Defence	Maddalena Mochi Uni Pisa
	12:12	12:24	AsteroidAlert Escape Room: SISP–AC Outreach Call 2024	Andrea Farina Uni Padova
	12:24	12:30	**Discussione**	

Martedì 3 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Pomeridiane

Piccoli Corpi - Sessione Comete				
	Chair	**TBD**		
	14:00	14:12	Early CN Outgassing and Production Rates of C/2024 E1 (Wierzchos) at 4 AU	Alessandra Mura INAF-OaPd
	14:12	14:24	Comet 3I/Atlas through the CASSIS stereo camera onboard EXOMars/TGO	Gabriele Cremonese INAF-OaPd
	14:24	14:36	Statistical Analysis of Cometary Ices: Inheritance or Chemical Reset?	Manuela Lippi INAF-OAA
	14:36	14:45	**Discussione**	
Planetologia sperimentale e di laboratorio - Sessione "Trace of Life"				
	Chair	**TBD**		
	14:45	14:57	Bacteria, salts and brine mixtures : infrared spectral mapping of a laboratory analogue for habitability on icy moons.	Stefano Rubino INAF-IAPS
	14:57	15:09	The impact of different cations in sulfates on the photostability of Uracil under martian-like UV irradiation	Cristina García-Florentino INAF-OAA
	15:09	15:21	Investigating the stability of 9-methylanthracene in magnesium and calcium sulfates under UV irradiation to assist detection of organics on Mars	Francesco Renzi INAF-OAA
	15:21	15:33	Dielectric Characterization of Perchlorate Solutions as Analogues of Martian Subglacial Liquid Water	Gabriele Turchetti, Uni Roma Tre
	15:33	15:45	Ion irradiation of ices on organic refractories is a source of CO_2 and CO on TNOs	Massimo Germanà INAF-OACt / Uni Catania
	15:45	16:00	**Discussione**	
	16:00	16:30	Coffee Break	
Focus S1 - Water in the Inner Solar System: Past Activity and Climatic Evolution				
	Chair	**G. Carrozzo**		
	16:30	16:42	Esker-like Ridges in the South Polar Ice-cap on Mars: Possible Evidence of Ice Melting	Luca Guallini INAF-IRA
	16:42	16:54	Evidence of recent warm-based glaciation and meltwater drainage from eskers at Deuteronilus Mensae, Mars	Giovanni Munaretto INAF-OaPd
	16:54	17:06	Are Carbonates Hiding Among Martian Clays?	Jeremy Brossier INAF-IAPS
	17:06	17:18	Alkaline vs Acidic Aqueous Weathering on Mars – a comparative study from Earth analogs.	Enrico Bruschini INAF-IAPS
	17:18	17:30	**Discussione**	
Focus S5 - Planet formation and evolution in solar system analogues				
	Chair	**V. Roccatagliata / G. Picogna**		
	17:30	17:42	A change of paradigm in planet formation: Outflow cavity walls as hidden factories for large dust grains	Giovanni Sabatini INAF-OAA
	17:42	17:54	Partial melting of hydrated carbonaceous chondrites: clues on silicate melt composition, oxygen oxidation and links to primitive achondrites	Stefano Iannini Lelarge CNR-IGG
	17:54	18:06	Integration of Exomercat 2.0 into ExoplAn3T for Extended Exoclimate Simulations	Francesca Manni Uni Roma Tor Vergata
	18:06	18:15	**Discussione**	
	20:00		**Cena Sociale ristorante "La terra del tuono" TBC**	

Mercoledì 4 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Mattutine

Focus S7 - From Orbital Data to Scalable Landing-Site Frameworks				
	Chair	**G. Nodjoumi / V. Camplone**		
	09:00	09:12	The Space Science Data Center (SSDC) Science Computing Hub (SciComHub): a centralized platform for data access, processing, analysis, and software development.	G. Nodjoumi ASI
	09:12	09:24	MATISSE: integrating planetary data for advanced and targeted analysis	Veronica Camplone ASI
	09:24	09:30	**Discussione**	
Focus S2 - The meteorites and impactites collections in Italy				
	Chair	**M. Morelli / D. Faggi**		
	09:30	09:42	The meteorite and impactite collection of the italian Museum of Planetary Sciences: scientific and cultural significance	Daniela Faggi MISP-Fondazione PARSEC
	09:42	09:54	The Vatican Meteorite Collection at the Vatican Observatory	Robert Macke, Vatican Observatory
	09:54	10:06	Potential of imaging spectroscopy and SEM-EDS to map the surface mineralogical composition of NWA 4966 and NWA 6726 carbonaceous chondrites	Simone Pascucci CNR-IMAA
	10:06	10:18	Scalea, a new italian meteorite: description and characterization	Vanni Moggi Cecchi Uni Firenze
	10:18	10:30	**Discussione**	
	10:30	11:00	Coffee Break	
Meteore, Meteoriti e Polvere interplanetaria				
	Chair	**TBD**		
	11:00	11:12	Uncontaminated Cosmic Dust from the Upper Stratosphere: DUSTER Collections and Multi-Analytical Characterization of micron and sub-micron particles	Luca Tonietti Uni Parthenope
	11:12	12:24	Spectroscopic and geochemical characterization of lunar breccia NWA 11421: insights into the lunar crust–mantle composition and implication for moon exploration.	Andrew Alberini INAF - OAA
	12:24	11:36	Evidence for a new CR-like carbonaceous (CX) grouplet	Tiberio Cuppone Uni Firenze
	11:36	11:48	A new micrometeorite from Mount Gariglione unveils new insights about the origin of extraterrestrial (Al,Cu)-alloys.	Giovanna Agrosì Uni Bari
	11:48	12:00	Revealing impact signatures in Ureilite diamonds and graphite through nanoscale analysis	Anna Barbaro Uni Padova
	12:00	12:12	Coated impact melt bombs from the Wabar Craters (Saudi Arabia)	Luigi Folco Uni Pisa
	12:12	12:30	**Discussione**	

Mercoledì 4 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Pomeridiane

Piccoli Corpi - Sessione Asteroidi				
	Chair	**TBD**		
	14:00	14:12	Dynamics and origin of the NEA pair 2021 PH27 and 2025 GN1	Albino Carbognani INAF-OAS
	14:12	14:24	NEOPOPS – The NEO Physical Observations and Properties Simulation	Elisabetta Dotto INAF-OAR
	14:24	14:36	NEOVST: A mini 4-SDSS-colors Survey of newly-discovered Near-Earth Objects through the VLT Survey Telescope.	Pedro H. Hasselmann INAF-OAR
	14:36	14:48	Dust dynamics and plasma simulations in support of planetary defense missions such as Hera and Ramses.	Stavro Ivanoski INAF - OaTs
	14:48	15:00	Ramses mission update: preparing for Apophis’ 2029 close approach to Earth	M. Lazzarin Uni Padova
	15:00	15:15	**Discussione**	
Astrobiologia e Astrochimica - Sessione Mars				
	Chair	**TBD**		
	15:15	15:27	Organics detection on Mars by the MARS2020 Perseverance rover	Teresa Fornaro INAF-OAA
	14:57	15:39	Project Anoxymars: studying the detectability of anoxygenic microorganisms ahead of the EXOMars mission.	Mariano Battistuzzi INAF-OAA
	15:09	15:51	Microbial Community Divergence and pH-Driven Biomineralization in Two Terrestrial Analogs to Mars	Agnese Piacentini Uni Roma La Sapienza
	15:21	16:03	Assessing the viability of Antarctic cryptoendolithic communities exposed to Mars-like conditions	Carmen del Franco UniTus
	15:33	16:15	Microbially influenced evaporitic textures and microbiota of the Makgadikgadi Pan (Botswana): analogues for Martian biosignature formation	Alice Tarozzi Uni Bologna
	16:15	16:27	Functional ecology of bacteria in Antarctic cryptoendolithic communities from dry and cold conditions analogous to Mars environments	Ricardo Belmonte-Lopes Uni Tuscia
	16:27	16:45	**Discussione**	
	16:45	17:15	Coffee Break	
	16:45	19:30	Sessione Poster	
	18:30	19:30	**AperiPoster**	

Giovedì 5 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Mattutine

Sessione Planetologia sperimentale e di laboratorio				
	Chair			
	09:00	09:12	Preliminary tests to combine X-ray microtomography and dielectric measurements to assess the radar properties of pure ice	Flavia Cimbolli Spagnesi, Uni Roma Tre
	09:12	09:24	Laboratory investigation of ice analogs including O2, to constrain the surface composition of Solar System icy moons	Alessandra Migliorini INAF-IAPS
	09:24	09:36	Mafic Mineralogy in the VNIR, support of synthetic or peculiar composition to the mineralogical analysis of remote sensed surfaces	Cristian Carli INAF-IAPS
	09:36	09:48	Martian Simulants for Gusev and Gale craters igneous products: rheological, mineralogical and spectral characterization.	Alessandro Pisello Uni Perugia
	09:48	10:00	Characterization of an ExoMars mission reference gypsum sample using payload-analog techniques	Sole Biancalani INAF-OAA
	10:00	10:12	MA_MISS spectroscopic measurements on the ExoMars/RFM mission reference samples	Marco Ferrari INAF-IAPS
	10:12	10:24	Identifying Earth rock analogs of Oxia Planum in preparation for the Rosalind Franklin Mission	Monica Rasmussen INAF-IAPS
	10:24	10:45	**Discussione**	
	10:45	11:15	Coffee Break	
Focus S6 - Advanced image processing and Artificial Intelligence/Machine Learning for planetary exploration				
	Chair		**N.A. Vergara Sassarini / S. Ivanoski**	
	11:15	11:27	Unsupervised machine learning of FTIR spectra from two Hayabusa2’ Ryugu particles reveals stratified regolith evolution	Marianna Angrisani INAF-IAPS
	11:27	11:39	Mercury’s surface classification through Graph Attention Networks	Lorenzo Spina INAF-OaPd
	11:39	11:51	Terraced craters on Mars: analysis in arcadia planitia and detection in additional regions via deep learning	Maddalena Faletti CISAS/INAF-OaPd
	11:51	12:02	Three-dimensional imaging of subsurface structures within martian south polar layered deposits using MARSIS radar data	Alessio Margheri Uni Trento
	12:02	12:15	**Discussione**	

Giovedì 5 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Sessioni Pomeridiane

Focus S3 - Atmospheric Observation and Spectral Modeling in Planetary Science				
	Chair	**G. Liuzzi**		
	14:00	14:12	Advanced σ Radiative Transfer Model: Enhancing Atmospheric Remote Sensing for Earth and Planetary Exploration	Guido Masiello Uni Basilicata
	14:12	14:24	New laboratory measurements of the CO2-H2 Collision-Induced Absorption in the [4000, 4750] cm-1 spectral range from 240 K to 500 K	Francesca Vitali INAF-IAPS
	14:24	14:36	Infrared Spectral Diagnostics of Jupiter’s Moon-Induced Auroral Footprints	Chiara Castagnoli INAF-IAPS
	14:36	14:48	JUICE-MAJIS Earth Gravity Assist data overview and comparison with PRISMA	Giuseppe Piccioni INAF-IAPS
	14:48	15:00	**Discussione**	
Pianeti e Satelliti - Outer Solar System				
	Chair	**TBD**		
	15:00	15:12	Photometrically corrected maps of Saturn mid-sized icy moons from Cassini-VIMS observations	Marjorie Galinier INAF-IAPS
	15:12	15:24	ESA’s L4 mission: a new voyage to the ocean world Enceladus	Alice Lucchetti INAF-OaPd
	15:24	15:36	Synchronized eruptions on Io	Alessandro Mura INAF-IAPS
	15:36	15:45	**Discussione**	
	15:45	16:15	Coffee Break	
Pianeti e Satelliti - Moon and Mercury				
	Chair	**TBD**		
	16:15	16:27	Global thermophysical characterization of Mercury’s diurnal temperature cycle: thermal amplitudes, gradients, and stress indices in support of BepiColombo SIMBIO-SYS	Pamela Cambianica INAF-OaPd
	16:27	16:39	High-resolution observations of the Earth-Moon system with the JANUS instrument during the JUICE LEGA flyby	Pasquale Palumbo INAF-IAPS
	16:39	16:51	OH/H_2O formation and stability in the lunar mid-latitudes: insights from the Mairan crater region	Federico Colaiuta Uni Roma Sapienza / INAF-IAPS
	16:51	17:03	The MoonSWA project: integrated spectral and laboratory analysis of lunar space weathering	Francesca Zambon INAF-IAPS
	17:03	17:15	**Discussione**	
	17:30	19:00	Assemblea Plenaria Società Italiana di Scienze Planetarie - Angioletta Coradini	

Venerdì 6 Febbraio 2025
Palazzo Dossetti - Aula Magna “Manodori”

Focus S4 Volatile and refractory material emissions in planetary environments: a modeling perspective				
	Chair	**L. Maggioni**		
	09:00	09:12	When shape meets temperature: morphological and thermophysical interactions in Mercury’s permanently shadowed craters	Silvia Bertoli INAF_OaPd
	09:12	09:24	Solar activity effects on lunar surface and impact	Lorenzo Calderone INAF-OaTs
	09:24	09:36	Impact-induced sulfur melting on Mars: a potential source of native sulfur detected by the Nasa’s Curiosity rover	Luca Maggioni INAF-IAPS
	09:36	09:48	An exogenic contribution to lunar water ice: a cometary post-impact plume through smoothed particle hydrodynamics	Gianfranco Magni INAF-IAPS
	09:48	10:00	**Discussione**	
Sessione Sviluppo di Strumentazione				
	Chair	**TBD**		
	10:00	10:12	Development of quartz crystal microbalances for Enceladus applicatic	Andrea Longobardo INAF-IAPS
	10:12	10:24	HISCAL, the new Hyperspectral Imaging Spectrometers CALibration Facility in INAF-IAPS	Stefania Stefani INAF-IAPS
	10:24	10:36	ASI-SSDC: towards a new role supporting innovation and space missions	Angelo Zinzi ASI
	10:36	10:45	**Discussione**	
	10:45	11:15	Coffee Break	
Focus S8 - Beyond the visible: Uncovering interior composition and processes through tectonic and geodynamic lenses				
	Chair	**G.W. Schmidt / S. Buoninfante**		
	11:15	11:27	The role of convection in sustaining putative ecosystems in the subsurface oceans of icy moons	Silvia Pagnoscin Uni Firenze
	11:27	11:39	Structural analysis of Ariel’s surface	Susanna Tonoian Uni Padova
	11:39	11:51	Possible local subduction and spreading processes in Vinmara Planitia, Venus: geological and geophysical constraints	Davide Sulcanese Uni Pescara
	11:51	12:02	Coronal repaving of Venus’s surface	Nicholas Montiel Uni Padova
	12:02	12:15	**Discussione**	
	12:15	13:00	Premiazioni (Migliori Poster e Migliore Presentazione)	
		13:00	**FINE CONGRESSO**	

SESSIONE POSTER

Astrobiologia e Astrochimica			
	14	Carbon chain diversity in L1544 and IRAS 16293-2422: an astrochemical pathfinder study for the SKAO	Lisa Giani
	107	The Oxygenic Photosynthetic Habitability of M-stars acquaplanets	Michele maris
	25	LABORATORY EXPERIMENTS ON THE ORIGIN AND EVOLUTION OF EXTRATERRESTRIAL OZONE FROM ION IRRADIATED ICES AND ICY MIXTURES	Daniele Fulvio
	114	INVESTIGATION INTO THE ORIGINS AND DETECTION OF BIOMOLECULE HOMOCHIRALITY IN EARLY EARTH/MARS ENVIRONMENT	Rukiah Mitri
	146	"THE FANTASTIC FOUR: Tc, Re, Th, AND U IN GEOBIOLOGICAL PROCESSES."	Gloria Giacchino
Dinamica dei corpi celesti naturali ed artificiali			
	35	ORBIT DETERMINATION STUDY OF ARTIFICIAL SATELLITES USING OBSERVATIONAL DATA FROM THE SCHMIDT AND COPERNICO TELESCOPES AT THE MOUNT EKAR OBSERVING STATION.	Luca Cortese
	4	ASTROMETRY OF NEAR-EARTH ASTEROIDS AND RESIDENT SPACE OBJECTS WITH THE TANDEM SYSTEM	Stefano Palmiotto
Meteore, Meteoriti e Polvere interplanetaria			
	5	Toward the First Meteor Detections on Mars: Predicting Brightness and Altitude Using the Erosion–Fragmentation Model	Maximilian Vovk
	64	IRON OXIDATION STATE AND COORDINATION ENVIRONMENT IN BRAZILIAN TEKTITES	Gabriele Giuli
	67	Evidence for Mixed-Redox Dust Aggregation in an EL3 Enstatite Chondrite EET90992	Paola Manzari
	7	Micrometeoroids flux and impacts vaporization at the Moon	Patrizia Borin
	75	3D porosity of lunar meteorite Tisserlitine 006	Alice Macente
	100	A NEW ITALIAN METEORITE FROM MONTE BONDONE(TRENTO). DESCRIPTION AND PRELIMINARY DATA.	Marco Morelli
	102	MINERALOGICAL CHARACTERIZATION OF THE FUSION CRUST OF THE CAVEZZO L5 ANOMALOUS CHONDRITE AND FIRST FIND OF NI2S SULPHIDE.	Marianglona Rondinelli
	115	Cosmic Dust Flux During the Quaternary: Size Distribution of Scoriaceous and Unmelted Micrometeorites from the Transantarctic Mountains Collection	Samuele Ottaviani
	118	A PETROLOGICAL APPROACH TO THE STUDY OF CHONDRITES	Simone Borghetti
	124	SYNTHESIS OF A NEW LUNAR REGOLITH BASED ON THE MICROCHEMICAL AND MINERALOGICAL CHARACTERIZATION OF LUNAR METEORITES	Valeria De Santis
	133	PHYSICAL PROPERTIES OF L AND L/LL ORDINARY CHONDRITES AS DIDYMOS-DIMORPHOS ANALOGUE	Edoardo Rossi
	145	UNVEILING THE COMPOSITION OF EET 87746 ANTARCTIC METEORITE BY A NON-DESTRUCTIVE APPROACH	Giovanni Fanelli
	109	THE METEORITES AND IMPACTITES COLLECTIONS AT THE DEPARTMENT OF PHYSICS AND GEOLOGY OF PERUGIA UNIVERSITY (ITALY).	Paola Comodi
Pianeti e Satelliti - Outer Planets			
	12	Interpreting Io's Thermal Emission: Constraints From Juno/Jiram M-Band Observations	Federico Tosi
	59	ANALYSIS OF IO'S TIDAL RESPONSE AS A FUNCTION OF THE PROPERTIES OF THE PARTIALLY MOLTEN LAYER	Matteo Paris
	43	Cassini states and librations of the Galilean satellites: a numerical approach in Euler angles	Giulio Macrì
	44	INVESTIGATING THE COMPOSITION OF JUPITER'S ENERGETIC ION ENVIRONMENT	Christina Plainaki
	55	IMPROVED TREATMENT OF STRAY LIGHT IN THE JIRAM-JUNO SPECTROMETER: APPLICATION TO JUPITER AURORAL OBSERVATIONS	Davide Grassi
	155	MODELING THERMAL CONVECTION WITHIN EUROPA'S ICY LAYER: CONSTRAINTS ON SHELL THICKNESS	Michelangelo Formisano
	42	STRIKE-SLIP OR EXTENSIONAL DEFORMATION ON GANYMEDE? KINEMATIC MODELING OF THE SOUTH POLAR ICE SHELL	Gianluca Frasca

Pianeti e Satelliti - Moon			
	164	AN UPDATED MAPPING OF THE ORIENTALE BASIN (MOON) USING NEWLY DEVELOPED COLOR VISION DEFICIENCY-FRIENDLY COLOR SCALES	Yelena Caddeo
	33	Evaluation of the Moon Mineralogy Mapper reliability in lunar shadowed regions	Giuseppe Massa
	8	EMM project: SELENE (Simulated Environment for Lunar Exploration and Natural dynamics Experi-ments) for lunar dust mobilization experiments.	Carmen Porto
Pianeti e Satelliti - Mercury and Venus			
	57	CORE AND MANTLE EVOLUTION OF A REDUCED MERCURY.	Giuseppe Mitri
	61	FIRST RESULTS FROM A STUDY OF THE PHOTOMETRIC PROPERTIES OF MERCURY'S SURFACE USING MESSENGER-MDIS DATA	Beatrice Baschetti
	65	GEOLOGIC MAPPING OF THE BEETHOVEN QUADRANGLE (H07), MERCURY.	Laura Guzzetta
	142	WHY ARE INFILLED CRATERS SO DIVERSE ON MERCURY?: CONSTRAINTS FROM CALCULATED INFILL AND CRUSTAL THICKNESSES	Gene W. Schmidt
	160	ASSESSING THE CRUSTAL DENSITY OF MERCURY THROUGH GRAVITY DATA MODELLING	Salvatore Buoninfante
	130	Structural and topographic evidence for a hidden multiring basin in Mercury's Discovery quadrangle (H-11)	Antonio Sepe
	71	A New View Of Mercury: Improving Global Messenger Mosaics with GSA Pansharpening	Adriano Tullo
	139	Optimisation of the STC Colour Target Acquisition of the Surface of Mercury	Francesco Sala
	80	Surface and Subsurface Morphometric Evidence for Lava Tubes on Venus	Barbara De Toffoli
Pianeti e Satelliti - Mars			
	85	Martian dust properties in Mars Years 34 to 38: TGO/NOMAD UVIS-LNO nadir data preliminary results.	Fabrizio Oliva
	66	Geomorphological evidence of ice activity on Mars surface at mid-latitude	Marco Moro
	54	ANALYIS AND MITIGATION OF INTERFERENCES IN MARSIS RADARGRAMS: A COMPUTER VISION APPROACH	Alessandro Piombini
	98	MOSTO: a 3D virtual reality hyperspectral analysis application for CRISM MTRDR data	Marco Baroni
	126	Predict-then-optimize stochastic planning for MARSIS raw data acquisition	Alberto Avallone
	34	The application of s-FORUM radiative transfer code to the Martian atmosphere	Lorenzo Buriola
Pianeti e Satelliti			
	79	TOWARDS A THREE-DIMENSIONAL INTERIOR MODEL INVERSION FRAMEWORK	Antonio Genova
	165	CAn we REly on Our Network? Uncovering human-factor signatures in boulder mapping with the CARE-ON project	Sandro Rossato
	153	Plumes with Smoothed Particle Hydrodynamics: from Enceladus to Europa and beyond	Matteo Teodori
	123	Scene classification from high resolution infrared observations using a machine learning approach	Tiziano Maestri
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