



XVII CONGRESSO NAZIONALE DI SCIENZE PLANETARIE

PROGRAMMA

20-24 Giugno 2022

20 Giugno – lunedì

**Auditorium dell'INAF-Osservatorio Astronomico di Capodimonte
Salita Moiariello 16, Napoli**

8:30 -13:00 Corso per i giornalisti: “Pianeti in prima pagina”.

<https://indico.ict.inaf.it/event/1842/>

Relatori:

- Livia Giacomini (Tecnologa INAF, giornalista UGIS); "Astrofisica per un mondo migliore: comunicazione, divulgazione e didattica in INAF"
- Francesca Esposito (ricercatrice INAF – Osservatorio Astronomico di Capodimonte). Titolo: “Dalla Luna a Marte: le prospettive dell'esplorazione umana del Sistema Solare”
- Marcello Spagnulo (Ingegnere Aeronautico e scrittore). Titolo: “Attuale contesto geopolitico nell'esplorazione spaziale”.
- Mario Cosmo, Direttore della Direzione Scienza e Ricerca dell'ASI: “Le ragioni dell'esplorazione dello spazio”
- Romualdo Gianoli (Ingegnere e giornalista scientifico). Titolo: da definire
- Giuseppe Piccioni (Ricercatore INAF-IAPS). Titolo: “Prospettive di esplorazione delle lune ghiacciate”
- Teresa Fornaro (ricercatrice INAF – Osservatorio Astrofisico di Arcetri). Titolo: “La ricerca della vita nel Sistema Solare”

14:00 Inizio congresso Scienze Planetarie

14:00 – 15:00 Accoglienza

15:00 – 15:10 Benvenuto

15:10 – 15:20 Saluti Direttrice INAF – Osservatorio Astronomico di Capodimonte – Marcella Marconi

15:20 – 15:30 Saluti Direttore Scientifico INAF – Filippo Zerbi

15:30 – 15:40 Saluti Assessore Ricerca, Innovazione e Start up della Regione Campania – Valeria Fascione

15:40 – 15:50 Saluti Presidente del Distretto Aerospaziale Campano – Luigi Carrino

15:50 – 16:10 Prospettive delle scienze planetarie in Italia – Barbara Negri (ASI)

16:10 – 16:30 Prospettive delle scienze planetarie in Europa – Luigi Colangeli (ESA) – *in collegamento da ESTEC*

16:30 – 17:00 Coffee break

17:00 – 17:10 In ricordo di Maria Teresa Capria – Fabrizio Capaccioni (INAF)

Sessione 1: Piccoli corpi

17:10 – 18:10 **Sessione 1: Piccoli corpi - Meteoriti**

Chair: Gabriele Giuli

17:10 – 17:25	Shock origin of carbon phases in ureilites	Anna Barbaro
17:25 – 17:40	Northwest Africa 090 and chondritic winonaites: a new group of primitive achondrites.	Alice Stephant
17:40 – 17:55	Chromites in ordinary chondrite fusion crusts	Manlio Bellesi
17:55 – 18:10	VNIR reflectance spectroscopy and mineralogical characterization of ungrouped achondrites	Enrico Bruschini

18:30 Servizio autobus per rientro in hotel al centro di Napoli.

21 Giugno – martedì

Complesso Monumentale Donnaregina - Museo Diocesano di Napoli

Largo Donnaregina, Napoli

Sessione 2: Pianeti

09:00 – 10:00 **Sessione 2: Pianeti – Fasi primordiali e Dischi protoplanetari**

Chair: Vito Mennella

09:00 – 09:15	PHOTO-PROCESSING OF ACETALDEHYDE, ACETONITRILE, AND WATER ICE MIXTURES ON OLIVINE GRAINS: TPD AND MASS SPECTRA ANALYSES.	Maria Corazzi
09:15 – 09:30	ALMA view of the protoplanetary disc HD 100546, evidence of a giant protoplanet at 100 au	Davide Fedele
09:30 – 09:45	EARLY PROTOPLANETARY DISKS AROUND A STAR: AN SPH APPROACH TO INVESTIGATE THE DYNAMICAL AND THERMAL PERTURBATIONS INDUCED BY PASSING-BY STARS	Luis Diego Pinto

09:45 – 10:15 Coffee break

Sessione 3: Piccoli corpi

10:15 – 12:00 **Sessione 3: Piccoli corpi – Asteroidi – parte 1**

Chair: Maurizio Pajola

10:15 – 10:30	SOLAR SYSTEM SSDC GROUP: EFFORTS TO MAINTAIN DATASETS AND BOOST THEIR SCIENTIFIC RETURN	Angelo Zinzi
10:30 – 10:45	The EU Project NEOROCS	Elisabetta Dotto
10:45 – 11:00	BEFORE THE DART IMPACT: THE LIGHT ITALIAN CUBESAT FOR IMAGING OF ASTEROIDS (LICIACUBE) IN SUPPORT OF THE NASA DART MISSION TOWARDS THE BINARY ASTEROID (65803) DIDYMOS, 3 MONTHS BEFORE “ZERO HOUR”	Elena Mazzotta Epifani
11:00 – 11:15	BEFORE THE DART IMPACT: SPECTRAL CHARACTERIZATION AT DIFFERENT ROTATIONAL PHASES FOR THE BINARY NEO (68503) DIDYMOS.	Simone Ieva
11:15 – 11:30	BEFORE THE DART IMPACT: DYNAMICAL EVOLUTION OF THE EJECTA PLUME	Alessandro Rossi
11:30 – 11:45	STATISTICAL ANALYSIS AMONG THE MINERALOGY OF V-TYPE ASTEROIDS FAMILY	Marianna Angrisani
11:45 – 12:00	The FATE Mission: Wandering inside the dark, organic rich Themis asteroid family to search for exposed and sublimating water ice	Alice Lucchetti

12:00 – 14:00 Pausa pranzo

14:00 – 14:30 Invited talk. Titolo: “Minor bodies in the recent Data Release 3 by Gaia: scientific perspectives” - Paolo Tanga (Observatoire de la Cote d'Azur)

14:30 – 17:00 **Sessione 3: Piccoli corpi – Asteroidi – parte 2**

Chair: Gianrico Filacchione

14:30 – 14:45	MORPHOLOGICAL CHARACTERIZATION OF THE IMPACT CRATERS FORMED BY NS-PULSED LASER ABLATION: SIMULATING MICROMETEORITE BOMBARDAMENT IN THE LABORATORY.	Daniele Fulvio
14:45 – 15:00	NEAR-EARTH, TROJAN AND CO-ORBITAL ASTEROIDS: A TREASURE TO EXPLORE	Davide Perna
15:00 – 15:15	DECIPHERING COMPOSITIONAL PROCESSES IN INNER AIRLESS BODIES OF OUR SOLAR SYSTEM: NEW UPDATES	Francesca Zambon
15:15 – 15:30	New insights on Vesta surface composition from Dawn data	Giuseppe Massa

15:30 – 16:00 Coffee break

16:00 – 16:15	ROUGHNESS OF PLANETARY SURFACES: HAPKE THEORY AND STATISTICAL MULTI-FACET ALGORITHM APPLIED TO DWARF PLANET CERES AND COMET 67P DATA.	Andrea Raponi
16:15 – 16:30	Stellar occultations: preliminary analysis of (554)Peraga asteroid and future perspectives	Giacomo Carrozzo
16:30 – 16:45	Piezoelectric Crystals Microbalances for laboratory and space applications	Fabrizio Dirri
16:45 – 17:00	HAYABUSA 2 : MAIN RESULTS FROM ORBIT AND FIRST ANALYSIS ON SAMPLE RETURNED GRAINS	Ernesto Palomba

19:30 Cena sociale presso il ristorante “Le Arcate”, Via Aniello Falcone, 249, Napoli.

<http://www.learcate.it/>

È previsto un servizio autobus per raggiungere il ristorante e per il rientro in hotel al centro di Napoli.

22 Giugno – mercoledì

Complesso Monumentale Donnaregina - Museo Diocesano di Napoli

Largo Donnaregina, Napoli

Sessione 4: Pianeti

09:00 – 11:15 **Sessione 4: Esopianeti**

Chair: Laura Inno

09:00 – 09:15	UNVEIL THE REAL NATURE OF EXOPLANETS WITH ARIEL	Riccardo Claudi
09:15 – 09:30	UNDERSTANDING THE EVOLUTION OF PLANETARY SYSTEMS WITH GAPS2	Ilaria Carleo
09:30 – 09:45	A CONVOLUTIONAL NEURAL NETWORK FOR AUTOMATIC VETTING OF EXOPLANET CANDIDATES WITH TRANSFER LEARNING	Stefano Fiscale
09:45 – 10:00	Exploring (exo)planetary habitability with climate and atmospheric models.	Laura Silva

10:00 – 10:30 Coffee break

10:30 – 10:45	THE EFFICIENCY OF THE OXYGENIC PHOTOSYNTHESIS ON EARTH-LIKE PLANETS IN THE HABITABLE ZONE	Christian Magliano
10:45 – 11:00	ACCLIMATION RESPONSES OF CYANOBACTERIA TO SIMULATED M-DWARF LIGHT SPECTRA AND IMPLICATIONS FOR THE REMOTE DETECTION OF OXYGENIC LIFE BEYOND THE SOLAR SYSTEM	Mariano Battistuzzi
11:00 – 11:15	EXPANDING THE HORIZON OF THE PAH WORLD HYPOTHESIS: EVIDENCE OF THE CATALYTIC EFFECT OF PAHS IN WET-DRY PROMOTED PEPTIDE BOND FORMATION	Valeria Lino

Sessione 5: Satelliti

11:15 – 12:00 **Sessione 5: Satelliti – parte 1**

Chair: Pasquale Palumbo

11:15 – 11:30	NIPPUR SULCUS FROM 2D TO 3D: A MULTIDISCIPLINARY APPROACH IN PREPARATION FOR JUICE	Federico Tosi
11:30 – 11:45	MEASURING THE FREQUENCY-DEPENDENT GANYMEDE'S TIDAL LOVE NUMBER k_2 BY 3GM EXPERIMENT ONBOARD JUICE MISSION TO INFER THE OCEAN THICKNESS	Fabrizio De Marchi
11:45 – 12:00	THE JANUS CAMERA ONBOARD THE ESA JUICE MISSION: THE SCIENCE PLANNING STRATEGY	Cecilia Tubiana

12:00 – 14:00 Pausa pranzo

14:00 – 15:30 **Sessione 5: Satelliti – parte 2**

Chair: Giancarlo Bellucci

14:00 – 14:15	Geological Mapping and Topographic Analysis of Thrace and Thera Macula, Europa	Gianluca Chiarolanza
14:15 – 14:30	ION IMPLANTATION AND CHEMICAL CYCLES IN THE GALILEAN SATELLITES	Giovanni Strazzulla
14:30 – 14:45	LABORATORY INVESTIGATION OF THE ATMOSPHERIC CHEMISTRY OF TITAN WAITING FOR THE NASA DRAGONFLY MISSION	Nadia Balucani
14:45 – 15:00	DIELECTRIC MEASUREMENTS OF LUNAR SOIL ANALOGUES AT DIFFERENT COMPACTIONS	Clohe Helene Martella
15:00 – 15:15	MULTI-SENSORS PACKAGES FOR IN SITU EXPLORATION OF PLANETARY BODIES	Francesca Ferri
15:15 – 15:30	Development of the fISPEX instrument, the Integral-Field Imager and Spectrometer for Planetary Exploration.	Gianrico Filacchione

15:30 – 16:00 Coffee break

Sessione 6: Pianeti

16:00 – 17:00 **Sessione 6: Pianeti – Marte - parte 1**

Chair: Simone Silvestro

16:00 – 16:15	IN-DEPTH SPECTRAL ANALYSIS OF CLAY-BEARING OUTCROPS IN OXIA PLANUM, THE LANDING SITE FOR EXOMARS “ROSALIND FRANKLIN” ROVER MISSION.	Jeremy Brossier
16:15 – 16:30	DIRECTIONAL ANALYSIS OF FRACTURES ON THE EXOMARS LANDING SITE	Andrea Apuzzo
16:30 – 16:45	EXOMARS LANDING GEOTECHNICAL SIMULATIONS FOR ESTIMATION OF SURFACE DEFORMATION	Adriano Tullo
16:45 – 17:00	THERMAL SURFACE MODELING OF OXIA PLANUM, LANDING SITE OF EXOMARS MISSION	Michelangelo Formisano

17:15 – 20:00 Evento culturale: *La doppia Napoli. Storia di una città attraverso i secoli ed il sottosuolo.* Visita guidata: centro storico e Napoli Sotterranea.

Costo: 18 euro a persona da pagare in loco. Prenotarsi via email (giorgia.derosa@inaf.it) entro il 10 giugno.

23 Giugno – giovedì

Complesso Monumentale Donnaregina - Museo Diocesano di Napoli

Largo Donnaregina, Napoli

Sessione 6: Pianeti

09:00 – 12:00 **Sessione 6: Pianeti – Marte – parte 2**

Chair: Ciprian Popa

09:00 – 09:15	Investigation of ExoMars TGO/NOMAD LNO nadir data: surface and atmospheric Martian CO ₂ ice characterization at high spectral resolution.	Fabrizio Oliva
09:15 – 09:30	OZONE IN THE MARTIAN ATMOSPHERE OBSERVED BY TGO/NOMAD-UVIS SOLAR OCCULTATIONS	Arianna Piccialli
09:30 – 09:45	LABORATORY ANALOG EXPERIMENTS TO SUPPORT DETECTION OF ORGANICS BY THE MARS 2020 PERSEVERANCE ROVER AND FUTURE MARS ROVER MISSIONS	Teresa Fornaro
09:45 – 10:00	OACN dedicated infrastructure for the study of Martian dust lifting phenomena	Gabriele Franzese

10:00 – 10:30 Coffee break

Chair: Gabriele Franzese

10:30 – 10:45	AEOLIAN LANDFORMS IN THE EXOMARS LANDING SITE, A REGIONAL PERSPECTIVE.	Simone Silvestro
10:45 – 11:00	INVESTIGATING MARS' EARLY CLIMATE THROUGH STRATIGRAPHY, COMPOSITION AND MORPHOLOGY AT THE NOACHIAN-HESPERIAN BOUNDARY IN NORTHERN MERIDIANI PLANUM.	Beatrice Baschetti
11:00 – 11:15	Lamprophyre autometamorphism as a competitive process to the aqueous alteration on (early) Mars	Ciprian Popa
11:15 – 11:30	LOW-CALCIUM CLAYSTONE CHARACTERIZATION WITH DRILL FOR ANALOGUES AND VISIBLE INFRARED SPECTROMETER (DAVIS)	Nicole Costa
11:30 – 11:45	MAPPING THE RADAR REFLECTIVITY OF THE MARTIAN SURFACE AT 4 MHZ WITH MARSIS.	Roberto Orosei
11:45 – 12:00	ELECTROMAGNETIC CHARACTERIZATION OF THREE DIFFERENT VOLCANIC ROCKS FOR RADAR INVESTIGATION OF TERRESTRIAL PLANETS	Alessandro Brin

12:00 – 14:00 Pausa pranzo

14:00 – 14:30 Invited talk. Titolo provvisorio: “JWST, the next generation space telescopes” - Adriano Fontana (INAF)

Sessione 7: Piccoli corpi

Chair: Elena Mazzotta Epifani

14:30 – 17:00 **Sessione 7: Piccoli corpi – Comete**

14:30 – 14:45	CHARACTERIZATION OF 67P COMETARY ACTIVITY: OUTCOMES FROM THE DEDICATED ISSI INTERNATIONAL TEAM	Andrea Longobardo
14:45 – 15:00	The Poseidon Mission: A Trident rising from the surface of comet 67P plumbing the compositional gradient of the Early Solar System	Maurizio Pajola
15:00 – 15:15	A HIGH SPECTRAL RESOLUTION CATALOG OF EMISSION LINES IN THE VISIBLE SPECTRUM OF COMET C/2020 F3 (NEOWISE).	Pamela Cambianica
15:15 – 15:30	Production rates of comet C2020/F3 (NEOWISE) from high resolution spectroscopy	Giovanni Munaretto

15:30 – 16:00 Coffee break

Chair: Stavro Ivanovski

16:00 – 16:15	SEASONS OF COMETS REVEAL THEIR NUCLEUS' STRUCTURE*"	Mauro Ciarniello
16:15 – 16:30	THE ITALIAN CONTRIBUTION TO SOLAR SYSTEM SCIENCE WITH THE VERA C. RUBIN OBSERVATORY LSST AND ITS RELEVANCE FOR THE ESA SPACE MISSION COMET INTERCEPTOR	Laura Inno
16:30 – 16:45	HYPERVELOCITY IMPACTS ON COMET INTERCEPTOR DUST IMPACT SENSOR AND COUNTER FOR DUST SHIELD AND DETECTION SYSTEM ASSESSMENT	Stefano Ferretti
16:45 – 17:00	Analysis of Gas–Dust Outbursts Observed at 67P/Churyumov–Gerasimenko with ALICE and VIRTIS-M instruments (TBC)	Giovanna Rinaldi

17:00 – 17:30 Presentazione della *Società Italiana di Scienze Planetarie* – *Angioletta Coradini*

17:30 – 19:00 Poster cocktail: poster session & cocktail: incontro con gli autori dei poster e con i rappresentanti del Distretto Aerospaziale Campano (DAC).

[Premiazione del miglior poster.](#)

24 Giugno – venerdì

Complesso Monumentale Donnaregina - Museo Diocesano di Napoli

Largo Donnaregina, Napoli

Sessione 8: Pianeti

09:00 – 12:15 **Sessione 8: Pianeti – Mercurio - Venere**

Chair: Gabriele Cremonese

09:00 – 09:15	FUTURE ORBITING AND IN-SITU EXPLORATION OF VENUS: MOUNT ETNA AS TERRESTRIAL ANALOG	Piero D'Incecco
09:15 – 09:30	Planetary Atmosphere Simulation System for Spectroscopy (PASSxS), a laboratory set up used to characterize the optical properties of gases at typical planetary conditions	Stefania Stefani
09:30 – 09:45	LABORATORY STUDIES OF PLANETARY ATMOSPHERES USING CRD SPECTROSCOPY	Marcel Snels
09:45 – 10:00	CRATERS ON THE NORTH POLE PERMANENT SHADOWED REGIONS OF MERCURY: MORPHOLOGY AND AGE ASSESMENT	Silvia Bertoli

10:00 – 10:30 Coffee break

10:30 – 10:45	MESSENGER: a tool to study Mercury beyond its operative life.	Elena Martellato
10:45 – 11:00	PYROCLASTIC DEPOSITS ON MERCURY: SPECTRAL CLUSTERIZATION WITH MASCS/MESSENGER DATA	Anna Galiano
11:00 – 11:15	Spectral Variability within the Kuiper Quadrangle, close up to Hollows and Pyroclastic deposits.	Cristian Carli
11:15 – 11:30	INVESTIGATING EXOSPHERIC NA DISTRIBUTIONS AT DIFFERENT SPATIAL SCALES TO DISENTANGLE BETWEEN SINGLE AND DOUBLE PEAKED GLOBAL PATTERNS	Tommaso Alberti
11:30 – 11:45	Micro-meteoroids impact vaporization (MMIV) as source for Ca and CaO exosphere along Mercury's orbit	Martina Moroni
11:45 – 12:00	BEPICOLOMBO FIRST MERCURY FLY-BY: FIRST TASTE OF THE MISSION RESULTS ON INVESTIGATION OF THE ENVIRONMENT AROUND THE PLANET	Anna Milillo
12:00 – 12:15	Towards creating groundwork for future ESA space weather activities: CUBE (CME Catcher Carousel) concept mission	Stavro Ivanovski

12:15 – 12:45 Presentazione proposte per la sede del prossimo congresso (G. Giuli, S. Ivanovski, G. Carrozzo,...).

12:45 – 13:00 Saluti finali

Poster session – giovedì 23 Giugno ore 17:30 – 19:00

1	HABITABILITY CHALLENGES FOR A HUMAN SETTLEMENT ON THE MOON	Giuseppe Calabrese
2	Simud Vallis (Mars) landslide movement reconstruction and associated boulder size-frequency distribution	Maurizio Pajola
3	THERMAL IMPACT OF THE SELF-HEATING EFFECT ON AIRLESS SURFACES. THE CASE OF MERCURY.	Pamela Cambianica
4	COMPOSITIONAL ANALYSIS AND SUBSURFACE DETECTION OF A MARTIAN POLAR SCARP FACING OLYMPIA PLANUM	Nicole Costa
5	SPECTRAL SIMULATIONS FOR THE DETECTION OF ICY SPECIES IN MERCURY'S PSR BY SIMBIO-SYS/VIHI ON BEPI COLOMBO	Gianrico Filacchione
6	Before the DART impact: Pre-encounter assessment of the (65803) Didymos system, target of the DART-LICIACube mission	Alice Lucchetti
7	UPDATE ON ESA'S MOONLIGHT LASER RETROREFLECTOR FOR NASA'S CP-11 2024 MISSION	Luca Porcelli
8	VIS-IR microspectroscopy of Martian Meteorites with the Ma_MISS laboratory model.	Simone De Angelis
9	SEARCHING FOR MORE LIQUID WATER IN MARSIS HIGH-RESOLUTION DATA OVER THE SPLD	Gabriele Turchetti
10	Tectonic phases in Galileo regio, Ganymede	Costanza Rossi
11	GEOLOGIC MAPPING OF TOLSTOJ QUADRANGLE: PRELIMINARY RESULTS FROM THE WESTERN SECTOR	Lorenza Giacomini
12	CHILDS (Charge Induction Lunar Dust sensor): an instrument for the measurement of charge, size and speed of levitated dust grains on the Moon surface.	Carmen Porto - Fabio Cozzolino
13	The NEO Physical Properties Database of the Neorocks EU Project	Angelo Zinzi
14	RECORDS OF EARLY CRYSTALLIZATION IN THE PROTOPLANETARY DISK	Andrea Vitrano
15	Europlanet Italian Hub: initiatives, awards and activities to make planetary science relatable and relevant in a post-Covid world	Federica Duras
16	Data analysis, analysis of surfaces, atmospheres, exospheres, modeling	Edoardo Rognini
17	SPECTRAL ANALYSIS OF MOON'S SELECTED REGIONS OF INTEREST WITHIN THE PRIN INAF "MELODY" PROJECT	Francesca Zambon
18	IRON METEORITES AS PROXY FOR EARTH CORE FORMATION AND EVOLUTION	Simone Lentini

19	Statistical clustering analysis of NEOs using their orbital parameters to find correlations with taxonomic composition classes	J D P Deshapriya
20	PCM-based devices calibration and TGA analysis for laboratory and space mission applications	Chiara Gisellu
21	GEOSTRUCTURAL MAPPING OF THE MICHELANGELO (H-12) QUADRANGLE OF MERCURY: RELATIONSHIP BETWEEN TECTONIC AND CRUSTAL STRUCTURES	Salvatore Buoninfante
22	DETECTION OF SLOW-MOVING SOLAR SYSTEM OBJECTS IN LSST IMAGES WITH MACHINE LEARNING	Antonio Valzanella
23	EXTREMOPHILES IN HUMAN SPACE COLONIZATION: A FOCUS ON BIOMINING AND IN-SITU RESOURCES UTILIZATION (ISRU) APPROACHES	Luca Tonietti
24	EUKARYOTIC ORGANISMS EXPOSED TO SPACE ENVIRONMENT: A FOCUS ON THE PHYSIOLOGICAL ADAPTATIONS OF THE BRINE SHRIMP A. SALINA USED FOR ASTROBIOLOGICAL STUDIES	Maria Teresa Muscari Tomajoli
25	How to make science from opportunity: Searching for possible asteroids flyby for the ESA JUICE mission	Livio Agostini
26	Ma_MISS Data Simulation and Visualization: Development and Optimization of Acquisition Strategies	Lorenzo Rossi
27	Glass of possible impact origin from Pica (Chile)	Gabriele Giuli
28	A SPECTROSCOPIC TOOL FOR THE INTERPRETATION OF REMOTELY SENSED DATA OF ICY BODIES	Alessandra Cofano
29	A MARS SIMULATION CHAMBER FOR ASTROBIOLOGY	Paola Di Donato
30	STRUCTURAL MAPPING AND ANALYSIS OF MERCURY'S NORTHERN SMOOTH PLAINS	Marco Cardinale
31	A NEW NOTION OF HABITABILITY: THE ROLE OF BIOMETALS	Giovanni Covone
32	METEORITE CATALOGING, WHY SHOULD I CARE	Annarita Franza
33	Chain of numerical simulations for Hypervelocity Impacts effects on DISC, sensor of the Comet Interceptor/ESA mission	Alicemaria Piccirillo
34	MINERALOGY OF THE SURFACE OF CERES FROM 1 μ m ABSORPTION	Giacomo Carrozzo
35	Visible and Near-Infrared Spectra of Analogues acquired under Martian conditions in support of the ExoMars Rover Mission.	Simone Filomeno
36	THE LUNAR SCIENCE AND EXPLORATION WORKING GROUP OF THE LUNAR GRAVITATIONAL WAVE ANTENNA PROJECT	Alessandro Frigeri
37	TOWARDS A EUROPEAN FACILITY FOR GROUND-BASED RADAR OBSERVATIONS OF NEAR EARTH OBJECTS	Roberto Orosei
38	SUPPORTING THE ESA COMET INTERCEPTOR MISSION BY MEANS OF GROUND-BASED OBSERVATIONS OF COMETS BEYOND 4 AU	Elena Mazzotta Epifani