

Wednesday 19th

Opening Plenary NSC Planetarium	9.30-11.00	Emma Bunce: A New View of Mercury with MIXS Richard Ghail: New Venus Science and Exploration Ashley King: Results from OSIRIS REX	
Registration and Refreshment - SPL Parallel 1A, Chondrites and Benu Conference Room - main room Skylark - overflow Chairs: S. Russell, L. Daly Lunch	11:00-11:30 11:30-13:00 13:00-14:00	Ian Franchi, O-Isotopes of Benu Samples Sara Russell, Benu: Protoplanetary disc components Luke Daly, CM chondrites: TC's reveal carbonate precursor Liza Riches, Aqueous history of Esbebi (C2-ung) Pierre-Etienne Martin, CAls and Compound-Chondrules Niamh Topping, S-bearing serpentine in C-chondrites	
Parallel 1B Small Bodies and Chondrites Conference Room - main room Skylark - overflow Chairs: C. Avdellidou/A. Christou Refreshment	14:00-15:35 15:35-16:00	Colin Snodgrass, The ESA Comet Interceptor Mission Bryce Bolin, Volatiles of Oort cloud comet C/2014 UN271 Zoe Lewis, Ions in the diamagnetic cavity of comet 67P Marco Delbo, Differentiated asteroids revealed by Gaia Ben Rider-Stokes, The Search for a Long-Lost Planetsimal Jodie Sutherland, Alteration in CM's with IR Spectroscopy	
Parallel 1C Small Bodies & Modelling Conference Room - main room Skylark - overflow Chairs: M. Delbo/B. Bolin	16:00-17:00	Chrysa Avdellidou, Dating planet instability with meteorites Andrew Marshall-Lee, Clustering Method as a Neural Network Alice Humpage, Near-Earth Asteroid Family Orbital Dispersion Richard Cannon, Modelling NEA with optical and radar data	
Posters 1	17.30-19.00		
Parallel 2A Giant Planet Ionospheres, & Magnetospheres Abbey Room - main room Swift - overflow Chairs: L.N. Fletcher/E. Thomas	11:30-13:05	Nick Achilleos, Magnetosphere-Ionosphere Coupling Gabby Provan, Jupiter's dawnside magnetodisc Tom Stallard, Saturn's asymmetric magnetospheric flows Rosie Johnson, Juno observations of Jupiter's aurora Henrik Melin, Jupiter ionosphere disturbances with JWST Jonny Nichols, Jupiter's auroras from Hubble and Juno	
Parallel 2B Giant Planet Ionospheres, Magnetospheres & Astrobiology Abbey Room - main room Swift - overflow Chairs: J. Nichols/R. Johnson	14:00-15:30	Emma Thomas, The 30 year pursuit of Uranus's IR aurorae Matthew Acevski, Asymmetry in Uranus radiation belts H.Chinnery-M.Fox-Powell, Salt-rich ices on icy worlds Rachael Hamp, Rapid freezing recorded in experimental cryovolcanic ice Liam Perera, Synchrotron XRD, tomography to study cryogeochemistry Ben Tatton, Habitability in Martian Lakes	
Parallel 2C Astrobiology Abbey Room - main room Swift - overflow Chairs: M. Fox-Powell/O. King	16:00-17:00	Connor Ballard, IR of Lake Salda hydromagnesites and clays Toni Galloway, Biological Nitrogen Fixation within Mars Analogue Sites Jon Tandy, Lunar and Martian analogue materials Arjun Patel, How To Find Life on Mars: Investigating biosignature formation	

Thursday 20th

Plenary Shuttle suite - NSC	9.30-11.00	Meg Schwamb: Vera C. Rubin Observatory Steve Banham: A New View of Mars Evolution from Gale Crater Aprajita Verma: Planetary Science with the Extremely Large Telescope	
Refreshment - NSC Parallel 1D Mars: Ice, rivers and more Shuttle suite - NSC Chairs: F. Butcher, A. Jones Lunch - SPL	11:00-11:30 11:30-13:05 13:00-14:00	Frances Butcher: Ice on Mars Neil Arnold, Age of Ice in a Martian Debris-Covered Glacier Alex Jones, Structure of the Margin Unit, Jezero Crater Adam Losekoot, Fluvial History of Noachis Terra Elena Favaro, Bedrock Ridges across equatorial region of Mars Blanka Babrian, Poikilitic Shergottite, NWA 7937	
Parallel 1E Mars: ExoMars, Insight & Gale Shuttle suite - NSC Chairs: J. Holmes, J. Davis Refreshment - NSC	14:00-15:35 15:30-16:00	Joel Davis, Upper Gediz Vallis Ridge at Gale Crater Amy Dean, Groundwater and Changing Winds in Gale Crater Peter Grindrod, Secondary Impact Craters at Oxia Planum Nisha Gor, Fluvial and Lacustrine Processes on Mars Claire Newman, Meteorological dataset of the InSight mission James Holmes: Discoveries from the ExoMars TGO	
Parallel 1F Mars Magnetosphere, Ionosphere & Atmosphere Shuttle suite - NSC Chairs: K. Stergiopoulou, B. Sanchez-Cano Posters 2 - SPL	16:00-17:00 17:00 17:00-18:30	Jacob Parrott, MEX-TGO Mutual Radio Occultation Beatriz Sanchez-Cano, The M-MATISSE mission Alexander Stott, Atmospheric science with Mars2020 Katerina Stergiopoulou, Ionopause formation at Mars	
Refreshment - SPL Parallel 2D Giant Planet Atmospheres Conference Room - SPL Chairs: H. Melin/L. Wright	11:00-11:30 11:30-13:05	Patrick Irwin: Aerosol layers, clouds and colours of Uranus and Neptune John Rogers, High-altitude winds over Jupiter's Equatorial Zone Michael Roman, Atmosphere of Uranus and Neptune by JWST Charlotte Alexander, Tropospheric Clouds of Jupiter Jake Harkett, Structure of Jupiter's Great Red Spot by MIRI Leigh Fletcher, Jupiter System Science with JWST/NIRSpec	
Parallel 2E Outer Planet Moons Conference Room - SPL Chairs: M. Roman/C. Alexander Refreshment - SPL	14:00-15:30 15:30-16:00	Oliver King, PlanetMapper: Mapping Solar System observations Conor Nixon, Titan in Late N. Summer from JWST and Keck Natasha Carr, X-ray optics development for the Jovian system Georgina Miles, Thermal microphysical modelling of Enceladus Lewis Sym, A Geochemical Model of Europa's Ocean and Seafloor Alvaro del Moral, Interaction of microbial biomass with cryogenic minerals	
Parallel 2F Mercury Conference Room - SPL Chairs: J. Cartwright, D. Rothery	16:00-17:05	David Rothery: Volatiles in Mercury's crust Alistair Blance, Origin of Flows Around Craters on Mercury and the Moon Julia Cartwright, Composition of Mercury through XRF Experiments Adam Fox, Preparations for MIXS observations of Mercury's LRM	

NSC Evening and Dinner

1900-24.00

Friday 21st

Parallel 1G Moon and Phobos Conference Room Skylark Room - overflow Chairs: N. Bowles, L. Preston Refreshment - SPL	0900-1030	Louisa Preston, Canadian Lunar Rover Mission to lunar S. Pole Giulia Magnarini, Geology of Taurus-Littrow Valley, Apollo 17 Zoe Emerland, Impact transport from Mars to Phobos Emelia Branagan-Harris, Origin of Phobos Roger Stabbins, Multiview-Multispectral Sensing Neil Bowles, Lunar Trailblazer - to explore Moon's water	
Parallel 2G Venus & Mercury Abbey Room Swift Room - overflow Chairs: A. Lennox, J. Wright	0900-1030	Jack Wright, Source of Mercury's Hollow-Forming Materials Annie Lennox, Smooth patches of Mercury: implications for volcanism Sophia Zomerdijk-Russell, Magnetic Fields to probe Mercury's mantle Connor Hoad, Constraining Tesseria Evolution in Phoebe Regio Julia Semplich, Compositional differences of venusian surface basalts Joanna Egan, Candidates for the Venusian unknown UV absorber	
Community Session (hybrid & recorded) Conference Room Abbey Room - overflow	1100-1300	11.00-11.05 Welcome, Chairs Leigh Fletcher, John Bridges 11.05-12.10 STFC Science Board prioritisation (Keith Grange) 11.30-11.55 ESA: Jack Wright on fellowships, Elliott Sefton-Nash on Voyage2050 11.55-12.10 UKSA and Bilateral Opportunities 12.10-12.35 Community Opportunities: [5mins each] RAS: Robert Massey Europlanet: Advertise Board and Hub, Callum Piper UKPF: Forum Update and Membership, Peter Fawdon GeoSoc (Thomas Harvey) 12.35-12.50 Q&A: Challenges and Issues for UK Planetary Science 12.50-13.00 BPSC Wrap-Up, Next Meeting, and Thanks	