

**Reconnaissance/Science Measurement Definition Team**  
(Descriptions of Experience/Expertise may not reflect full capabilities of members.)

**CO-CHAIRS**

1	<b>LAVAGNA</b>	Michèle	Italy	ICE ISRU & FEEDSTOCK CHARACTERIZATION, SMALL SATS, SURFACE ARCHITECTURES, REGOLITH 3D PRINTING, ICE SAMPLING, NAV/COMM
2	<b>PLAUT</b>	Jeffrey	United States	RADAR (SAR/Sounding), ICE DETECTION/GEO CONTEXT, LANDING SITE ANALYSIS, ANALOGUES, ATMOSPHERE, SPACE WEATHER, ORBIT OPTIMIZATION

**CORE TEAM**

3	<b>AHARONSON</b>	Oded	Israel (US Institution)	RADAR (SAR), ICE DETECTION/DRILLING, ANALOGUES, ATMOSPHERE, LANDING SITE ANALYSIS, PLANETARY PROTECTION
4	<b>ANDERSON</b>	Robert	United States	GEOLOGY, GEOMECHANICAL PROPERTIES OF REGOLITH, DRILLING, ISRU, LANDING SITE ANALYSIS
5	<b>AO</b>	Chi	United States	RADIO OCCULTATION, ATMOSPHERE, CLIMATE
6	<b>BERNARDINI</b>	Fabrizio	Italy	RADAR (Sounding), GEOTECHNICAL PROPERTIES (inc. civil-engineering-related), GLACIAL OVERBURDEN, LANDING SITE ANALYSIS
7	<b>BRAMSON</b>	Ali	United States	RADAR (SAR, Sounding, GPR), MIDLATITUDE ICE DISTRIBUTION/OVERBUREN, POLAR STUDIES, LANDING SITE ANALYSIS, ANALOGUES, ICE CORING
8	<b>BYRNE</b>	Shane	United States	RADAR (Sounding, Modeling), ICE DETECTION, SURFACE ROUGHNESS, GEOLOGY, IMAGING, LANDING SITE ANALYSIS, ATMOSPHERE, GIS
9	<b>CALVIN</b>	Wendy	United States	ICE MAPPING, POLAR PROCESSES, GEOLOGY, CLIMATE, TRAFFICABILITY
10	<b>DALY</b>	Michael	Canada	RADAR (Sounding, Dielectric Measurements, Modeling), SURFACE ROUGHNESS, ANALOGUES, ISRU DRILLING, WEATHER
11	<b>DELLA CORTE</b>	Vicenzo	Italy	LANDING SITE ANALYSIS (Mars lander/rover/crewed landing; lunar), IMAGING, ATMOSPHERE/WEATHER/DUST
12	<b>FERRARI</b>	Marco	Italy	LANDING SITE ANALYSIS, IMAGING, GEOLOGY, ANALOGUES, DUST
13	<b>FRIGERI</b>	Alessandro	Italy	RADAR (Sounding, GPR), ICE (Polar, Glacial), GEOPHYSICAL FIELD SURVEYS, ANALOGUES, LANDING SITE ANALYSIS, GIS
14	<b>GOLOMBEK</b>	Matthew	United States	LANDING SITE ANALYSIS (Robotic, Human), GEOLOGY, EDL CONSTRAINTS

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15	<b>GRANT</b>	John	United States	RADAR (Sounding, GPR), LANDING SITE ANALYSIS (Robotic, Human), ICE-RELATED GEOMORPHOLOGY
16	<b>GRIMA</b>	Cyril	France (in US)	RADAR (Sounding, Modeling), GEOTECHNICAL, CRYOSPHERIC PROCESSES, ANALOGUES, EDL, CRYOSPHERIC HABITATS, SPACE WEATHER/PLASMA
17	<b>HAMRAN</b>	Svein-Erik	Norway	RADAR (SAR, Sounding, GPR, Modeling), ICE/PERMAFROST, GROUND DENSITY, ANALOGUES, HOT WATER DRILLING/ICE CORING
18	<b>HARKNESS</b>	Patrick	Scotland	ICE DRILLING, ANALOGUES, METALS EXTRACTION FROM REGOLITH, ASCENT TECHNOLOGIES, REGOLITH 3D PRINTING
19	<b>HOFFMAN</b>	Stephen	United States	ICE ISRU, CIVIL ENGINEERING, LANDING SITE ANALYSIS, ANALOGUES, MIDLATITUDE ICE
20	<b>IESS</b>	Luciano	Italy	GRAVITY MEASUREMENTS, RADIO SCIENCE
21	<b>IMAMURA</b>	Takeshi	Japan	RADIO OCCULTATION, NEAR-SURFACE ATMOSPHERE, VOLATILES, SUBSURFACE ICE STABILITY, DUST
22	<b>KUMAMOTO</b>	Atsushi	Japan	RADAR (Sounding; lunar), PERMETTIVITY STUDIES, DIGITAL ELEVATION MODELS
23	<b>LEVY</b>	Joseph	United States	PERMAFROST/POLAR STUDIES, ICE-RELATED GEOMORPHOLOGY, IMAGING, HUMAN LANDING SITE ANALYSIS, ANALOGUES (ICE CORING/ASTROBIO)
24	<b>LILLIS</b>	Robert	United States	AMOSPHERE (UV, Ionosphere Climatology), CLIMATE, SPACE WEATHER/ RADIATION, LANDING SITE ANALYSIS, SURFACE AGE DATING,
25	<b>MAEZAWA</b>	Hiroyuki	Japan	ATMOSPHERE (water vapor/loss, trace gases), ICE-RELATED WATER CYCLE, GLOBAL CIRCULATION, DUST UPWELLING
26	<b>MIYAMOTO</b>	Hideaki	Japan	RADAR (GPR, Modeling), ICE-RELATED GEOMORPHOLOGY, LANDING SITE ANALYSIS, MINING/ SPACE RESOURCES, SIMULANTS FOR CONSTRUCTION
27	<b>MUNK</b>	Michelle	United States	HUMAN-CLASS EDL/ASCENT, SURFACE ELEMENT DESIGNS/OPS, PLUME INTERACTIONS, REGOLITH STUDIES, EDL SENSORS, IMAGING, FLIGHT SYSTEMS
28	<b>NAKAGAWA</b>	Hiromu	Japan	RADAR (Sounding), MARTIAN WATER CYCLE, ATMOSPHERE, SPACE WEATHER (aurora)
29	<b>NEISH</b>	Catherine	Canada	RADAR (SAR), ICE DETECTION, SURFACE ROUGHNESS, ANALOGUES, IMAGING, ASTROBIOLOGY

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30	<b>OROSEI</b>	Roberto	Italy	RADAR (Sounding), ICE-RELATED PROCESSES (polar, glacial, periglacial), ANALOGUES, EDL, TRAFFICABILITY, PLANETARY PROTECTION
31	<b>PATTERSON</b>	Gerald	United States	RADAR (SAR, Sounding), HUMAN-CLASS EDL/LANDING SITE CHARACTERIZATION
32	<b>PEARCE</b>	David	England	ASTROBIOLOGY, ANALOGUES, PLANETARY PROTECTION FOR HUMAN MISSIONS, MICROBIOLOGY AND HUMAN HEALTH
33	<b>PUTZIG</b>	Nathaniel	United States	RADAR (Sounding), ICE DETECTION/DISTRIBUTION, OVERBURDEN CHARACTERIZATION, GEOTECHNICAL STUDIES, LANDING SITE ANALYSIS, GIS
34	<b>SEKI</b>	Kanako	Japan	SPACE WEATHER, CLIMATE, ATMOSPHERE, RADIATION, PLASMA
35	<b>SEKINE</b>	Yasuhito	Japan	GEOLOGY, GEOCHEMISTRY, HYDROLOGY, ANALOGUES, HABITABILITY, LANDING SITE ANALYSIS
36	<b>SIBILLE</b>	Laurent	United States	CIVIL ENGINEERING, PROPERTIES/INTERACTIONS ICE-REGOLITH, ISRU, LANDING SITE ANALYSIS, SIMULANTS, REGOLITH CONSTRUCTION,, PLUME INTERACTIONS
37	<b>SMITH</b>	Isaac	Canada	RADAR (Sounding, Modeling), ICE PROCESSES (polar, glacial, geomorphology), ANALOGUES, IMAGING
38	<b>TAMPPARI</b>	Leslie	United States	ICE STABILITY, POLAR PROCESSES, LANDING SITE ANALYSIS, ATMOSPHERE, CLIMATE, EDL
39	<b>THOMAS</b>	Nicolas	Switzerland	RADAR (Modeling), GEOMORPHOLOGY, IMAGING, SIMULANTS, ICE/DUST, LANDING SITE ANALYSIS
40	<b>WHYTE</b>	Lyle	Canada	POLAR/PERMAFROST ASTROBIOLOGY, DRILLING IN CRYOENVIRONMENTS, HABITABILITY
41	<b>ZORZANO</b>	Maria-Paz	Spain	ASTROBIOLOGY/PLANETARY PROTECTION, LANDING SITE ANALYSIS, EDL, MATERIAL CURATION, ATMOSPHERE/CLIMATE/DUST/ WATER CYCLE
<b>EARLY CAREER TEAM</b>				
1	<b>AOKI</b>	Shohei	Japan	MARTIAN WATER CYCLE, ATMOSPHERE (temperature, density, aerosols, trace gases)
2	<b>BICKEL</b>	Valentin	Germany	RADAR (SAR), SURFACE ROUGHNESS, GEOTECHNICAL ENGINEERING, DRILLING, SOIL MECHANICS TESTING, SIMULANT PROPERTIES & BEHAVIORS
3	<b>BUTCHER</b>	Frances	England	RADAR (Sounding) GLACIAL GEOMORPHOLOGY, MIDLATITUDE ICE DEPOSIT DISTRIBUTION, ANALOGUE. LANDING SITE ANALYSIS

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4	<b>GANESH</b>	Indujaa	India (in US)	RADAR (SAR/Sounding/Modeling), LUNAR LANDING SITE CHARACTERIZATION (Hazards, ISRU, Ice Favorability, EDL & EVA), IMAGING
5	<b>GENOVA</b>	Antonio	Italy	GRAVITY MEASUREMENTS, POLAR DENSITY/COMPOSITION, SURFACE ROUGHNESS, TRAFFICABILITY, DEMs
6	<b>HARRINGTON</b>	Elise	Canada (in Norway)	RADAR (SAR), LUNAR SURFACE ROUGHNESS & TRAFFICABILITY, IMAGING, ANALOGUES
7	<b>HIBBARD</b>	Shannon	United States	RADAR (GPR) HUMAN LANDING SITE CHARACTERIZATION, ACCESSIBLE WATER ICE/OVERBURDEN ASSESSMENT, ANALOGUES,, CIVIL ENGINEERING SOIL TESTS.
8	<b>KUROKAWA</b>	Hiroyuki	Japan	MARTIAN CRYOSPHERE/HYDROSPHERE, MODELING, HYDRATED MARTIAN CRUST, ATMOSPHERIC PRESSURE, HYDROGEN ISOTOPES
9	<b>LALICH</b>	Daniel	United States	RADAR (SAR/Sounding/GPR/Modeling), SURFACE ROUGHNESS, MIDLATITUDE & POLAR ICE, ICE/DUST MOBILIZATION PROCESSES
10	<b>NEROZZI</b>	Stefano	Italy (in US)	RADAR (Sounding, GPR), GEOPHYSICAL GLACIAL SURVEYS/ISRU, GEOMECHANICAL STABILITY, GEOMORPHOLOGY, ANALOGUES, ATMOSPHERE
11	<b>SARGEANT</b>	Hannah	England	WATER MAPPING AND DRILL DESIGN FOR ISRU, MECHANICAL PROPERTIES OF REGOLITH, TRAFFICABILITY OF ICY DEPOSITS, LANDING SITE ANALYSIS
12	<b>STUURMAN</b>	Cassie	Canada (in US)	RADAR (SAR/Sounding/GPR/Modeling), RADIOGLACIOLOGY ON EARTH & MARS, ICE-RELATED GEOMORPHOLOGICAL FEATURES, ANALOGUES