

PROGRAM



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Sunday Evening, March 18, 4:00 p.m.

Waterway Ballroom Registration
 Prefunction Area

Sunday Evening, March 18, 5:00 p.m.

Waterway Ballroom Reception
 Prefunction Area

Monday Morning, March 19, 8:30 a.m.

Waterway Ballroom 1 [SPECIAL SESSION: A Season in the Saturn System I](#)
 Waterway Ballroom 4 [New Views on Lunar Volatiles](#)
 Waterway Ballroom 5 [Hot Stuff: Interplanetary Studies of Impact Melt](#)
 Waterway Ballroom 6 [Chemical Processes in the Solar Nebula and Latest Genesis Results](#)
 Montgomery Ballroom [Achondrites: From Core to Crust](#)

Monday Afternoon, March 19, 1:30 p.m.

Waterway Ballroom 4/5 [PLENARY SESSION: Masursky Lecture and Dwornik Award Presentations](#)

Monday Afternoon, March 19, 2:30 p.m.

Waterway Ballroom 1 [SPECIAL SESSION: A Season in the Saturn System II](#)
 Waterway Ballroom 4 [Mind the Gap: Lunar Petrology and Remote Sensing](#)
 Waterway Ballroom 5 [Movers and Shakers: Planetary Dynamics and Tectonics](#)
 Waterway Ballroom 6 [Recent Slope Processes on Mars: Sliding, Flowing, and Falling Down](#)

Monday Evening, March 19, 5:30 p.m.

Waterway Ballroom 4/5 NASA Headquarters Briefing

Tuesday Morning, March 20, 8:30 a.m.

Waterway Ballroom 1	<u>SPECIAL SESSION: Planetary Hydrology: Wet Worlds</u>
Waterway Ballroom 4	<u>Diverse Views of the Lunar Crust: An Orbital Perspective</u>
Waterway Ballroom 5	<u>Solar Nebula Mixing and CAIs</u>
Waterway Ballroom 6	<u>New Martian Meteorites and New Perspectives on Old Favorites</u>
Montgomery Ballroom	<u>Venus Volcanism Viewpoints: Vague or Viable?</u>

Tuesday Afternoon, March 20, 1:30 p.m.

Waterway Ballroom 1	<u>Ice is Nice: Icy Satellite Landforms, Processes, and Structure</u>
Waterway Ballroom 4	<u>Opportunities for Scientist Participation in Education and Public Outreach</u>
Waterway Ballroom 5	<u>Isotopic Constraints on Early Solar System Chronology</u>
Waterway Ballroom 6	<u>Martian Hydrated Minerals and Volatiles from Mantle to Surface</u>

Tuesday Evening, March 20, 6:00 p.m.

Town Center Exhibit Area	Poster Session I
	<u><i>Solar Nebula Mixing and CAIs</i></u>
	<u><i>Chondrule Formation and Disk Chemistry</i></u>
	<u><i>Early Solar System Chronology</i></u>
	<u><i>Chemical Processes in the Solar Nebula and Latest Genesis Results</i></u>
	<u><i>Chondrite Components and Primary Processes</i></u>
	<u><i>Achondrites: From Core to Crust</i></u>
	<u><i>Lunar Remote Sensing: Diverse Views of Basalts</i></u>
	<u><i>Lunar Remote Sensing: Visible, Infrared, and Beyond</i></u>
	<u><i>Lunar Remote Sensing: The Lunar Crust Through Diverse Remote Sensing Techniques</i></u>
	<u><i>Lunar Volatiles: From the Surface to the Interior</i></u>
	<u><i>Perspectives on Lunar Geochemistry from Samples</i></u>
	<u><i>Lunar Remote Sensing: Techniques and Laboratory Ground Truth</i></u>
	<u><i>Lunar Impact Craters</i></u>
	<u><i>Education and Public Outreach: The Moon</i></u>
	<u><i>Martian Craters</i></u>
	<u><i>Mars Geomorphology: Mapping</i></u>
	<u><i>Recent Slope Processes on Mars</i></u>
	<u><i>Volcanism on Mars and Beyond: New Insights from Geologic Mapping, Emplacement Dynamics, and Models</i></u>
	<u><i>Movers and Shakers: Planetary Dynamics and Tectonics</i></u>
	<u><i>Martian Hydrated Mineralogy and Morphology</i></u>
	<u><i>High-Temperature Martian Geochemistry</i></u>
	<u><i>Martian Spectroscopy Nitty Gritty</i></u>
	<u><i>Mars Geomorphology: Analogs, Laboratory Studies, and Science Tools</i></u>

Tuesday Evening, March 20, 6:00 p.m. (continued)

[Venus Atmosphere and Ionosphere](#)
[Venus Topography, Modeling, and Geology](#)
[A Season in the Saturn System: Titan, Rings, and Other Things](#)
[Icy Satellites: Clays and Chemistry](#)
[Icy Satellites: Heating, Faulting, Rheology, and Weathering](#)
[Io: Volcanism, Global Shape, and Atmosphere](#)
[Planetary Hydrology: Wet Worlds](#)
[Jupiter and Beyond the Infinite](#)
[Education and Public Outreach: Outer Planets, Satellites, and Rings](#)
[Mercury: Compositional Remote Sensing and Analysis](#)
[Mercury: Volcanism and Mapping](#)
[Mercury: Tectonics, Topography, and Impact Cratering](#)
[Terrestrial Impacts: Old and New](#)
[More Hot Stuff: Interplanetary Studies of Impact Melt](#)
[Shocking Rocks: Investigating Shock Effects in Rocks and Minerals](#)
[Exobiology: From Worlds We Know to Other Stars](#)
[Material Analogs in the Field and in the Laboratory](#)
[Education and Public Outreach: Higher Education](#)
[Education and Public Outreach: K-12 Programs and Products](#)
[Education and Public Outreach: General E/PO](#)
[Education and Public Outreach: Scientist Participation in E/PO](#)

Wednesday Morning, March 21, 8:30 a.m.

Waterway Ballroom 1	<u>SPECIAL SESSION: MESSENGER's First Year in Orbit About Mercury</u>
Waterway Ballroom 4	<u>Airless Bodies Exposed: Space Environment Conditions and Surface Interactions</u>
Waterway Ballroom 5	<u>Impact Ejecta: Processes and Products</u>
Waterway Ballroom 6	<u>Primary and Secondary Martian Geochemistry</u>
Montgomery Ballroom	<u>Chondrule Formation and Disk Chemistry</u>

Wednesday Afternoon, March 21, 1:30 p.m.

Waterway Ballroom 1	<u>Mercury Composition and Evolution from the Inside Out</u>
Waterway Ballroom 4	<u>Impact Craters: Peaks, Rings, and Basins</u>
Waterway Ballroom 5	<u>Small Body Studies I: Formation, Regolith, and Rubble Piles</u>
Waterway Ballroom 6	<u>Roving on Mars: Current and Future Sites</u>
Montgomery Ballroom	<u>Chondrite Components and Primary Processes</u>

Wednesday Evening, March 21, 5:30 p.m.

Waterway Ballroom 4/5	<u>Nuclear and Emerging Technologies for Space: Opening Plenary (Joint LPSC/NETS Plenary Session)</u>
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Thursday Morning, March 22, 8:30 a.m.

Waterway Ballroom 4	<u>Lunar Chronology By Any Means Necessary</u>
Waterway Ballroom 5	<u>Small Body Studies II: Earth-Crossing to Main Belt</u>
Waterway Ballroom 6	<u>Water on Mars: Flowing, Flooding, and Freezing</u>
Montgomery Ballroom	<u>Secondary Processes in Chondrites</u>

Thursday Afternoon, March 22, 1:30 p.m.

Waterway Ballroom 4	<u>Lunar Petrology and Geochemistry: From Core to Crust</u>
Waterway Ballroom 5	<u>SPECIAL SESSION: Dawn Over Vesta I</u>
Waterway Ballroom 6	<u>Planetary Brines and Alteration</u>
Montgomery Ballroom	<u>Presolar Grains: Insight into Stellar Processes</u>

Thursday Evening, March 22, 6:00 p.m.

Town Center Exhibit Area	Poster Session II
	<u><i>Dawn Over Vesta: Global Mapping</i></u>
	<u><i>Dawn Over Vesta: Composition of a Transitional World</i></u>
	<u><i>Dawn Over Vesta: More Chemistry, More Rocks</i></u>
	<u><i>Main Belt Asteroids: Lutetia, Ida, and Others</i></u>
	<u><i>Education and Public Outreach: Small Bodies</i></u>
	<u><i>Small Bodies: Comets, Trojans, and TNOs</i></u>
	<u><i>Small Bodies: Near-Earth Asteroids and Mars Moons</i></u>
	<u><i>Small Bodies: Processes, Tools, and Upcoming Missions</i></u>
	<u><i>Dawn Over Vesta: Surface and Cratering</i></u>
	<u><i>Impacts on Small Bodies</i></u>
	<u><i>Studying Impacts Through Experiments and Modeling</i></u>
	<u><i>Impact Ejecta: From Proximal to Distal</i></u>
	<u><i>Meteorites and Mitigation</i></u>
	<u><i>Zircons: A Record of Ancient Impacts</i></u>
	<u><i>Young Solar System Cataclysm</i></u>
	<u><i>Lunar Chronology By Any Means Necessary</i></u>
	<u><i>Lunar Melts: New Insights from Isotopes, Impacts, and Experiments</i></u>
	<u><i>Lunar Geophysics and Internal Structure</i></u>
	<u><i>Lunar Mapping</i></u>
	<u><i>Airless Bodies Exposed: Regolith Properties and Space Environment Interactions</i></u>
	<u><i>Datasets and Archives: From Astromaterials to Images</i></u>
	<u><i>Geological Analogs for Distant Planetary Surfaces</i></u>
	<u><i>Testing Science Mission Operations in Analog Settings</i></u>
	<u><i>Education and Public Outreach: Mission Analogs</i></u>
	<u><i>Planetary Brines and Alteration</i></u>
	<u><i>Differentiation and Cooling Histories of Planetary Magmas: From Isotopes to Textures</i></u>

Thursday Evening, March 22, 6:00 p.m. (continued)

[Origin and Internal Evolution of Planets](#)
[Presolar Grains: Insight into Stellar Processes](#)
[Cosmic Dust: Interstellar, Interplanetary, and Cometary Material](#)
[Secondary Processes in Chondrites](#)
[Low-Temperature Aqueous Martian Geochemistry](#)
[Mars Fluvial](#)
[Mars Glacial, Periglacial, and Groundwater/Ice](#)
[Mars Polar Processes](#)
[Martian \(Alluvial\) Fans and \(Debris\) Flows](#)
[Mars Aeolian Processes](#)
[Roving on Mars: Current and Future Sites](#)
[Mars Science Laboratory Instrument and Methods Development](#)
[Mars Water: Other](#)
[Education and Public Outreach: Mars Exploration](#)
[Mars Atmosphere](#)
[InSight: A Proposed Martian Geophysics Discovery Mission](#)
[Planetary Mission Concepts](#)
[Instrument and Payload Concepts](#)

Friday Morning, March 23, 8:30 a.m.

Waterway Ballroom 4 [Lunar Geophysics and Internal Structure](#)
 Waterway Ballroom 5 [SPECIAL SESSION: Dawn Over Vesta II: The HED-Vesta Connection](#)
 Waterway Ballroom 6 [Mars Aeolian Processes: Prepare to be Blown Away!](#)

followed at 10:00 a.m. by

Montgomery Ballroom [Mars Polar Processes: Very Cold and Really Cool](#)
 Montgomery Ballroom [Cosmic Dust: Interstellar, Interplanetary, and Cometary Material](#)

Friday Afternoon, March 23, 1:30 p.m.

Waterway Ballroom 4 [Lunar Mapping](#)
followed at 3:15 p.m. by
 Waterway Ballroom 5 [Mars Climate Tales: Meteorites, Morphology, Models](#)
 Waterway Ballroom 5 [SPECIAL SESSION: Dawn Over Vesta III: Regolith of a Transitional Planet](#)
 Waterway Ballroom 6 [Young Solar System Cataclysm](#)
 Montgomery Ballroom [Planetary Interiors: Dynamics and Differentiation](#)

Print Only

[Mercury](#)

[Moon](#)

[Mars](#)

[Igneous Processes](#)

[Chondrites and Their Components](#)

[Achondrites](#)

[The Spanish Meteor Network](#)

[Small Bodies](#)

[Dawn Over Vesta](#)

[Exobiology: From Worlds We Know to Other Stars](#)

[Impact Cratering Studies](#)

[Movers and Shakers: Planetary Dynamics and Tectonics](#)

[Outer Planets: Enceladus and Rings](#)

[Cosmic Dust](#)

[Cosmology and the Early Solar System](#)

[Exoplanets](#)

[Instrument and Payload Concepts](#)

[Education and Public Outreach](#)