PROGRAM
36th Lunar and Planetary Science Conference
March 14–18, 2005

To access the abstracts, use the hand tool of your Acrobat Reader to click on the name of any session. After the full program listing for that session appears, click on the title of a presentation to view the abstract for that presentation.

With the exception of the Sunday evening open house registration, reception, and E/PO displays, all locations listed below are at South Shore Harbour.
** Denotes speaker.*

Sunday, 9:00 a.m. – 4:00 p.m.

Amphitheater	LPI Education/Public Outreach Workshop: "Before the First Day of School: Pre-Service Teacher Preparation and the Role of the Space Science Community"

Sunday Evening, 5:00 p.m.

LPI Hess Room	Registration
LPI Great Room	Reception
LPI Berkner Rooms	Education and Public Outreach Program and Product Demonstrations

Monday Morning, 8:30 a.m.

Salon A	Astrobiology I: Mars, Methane, Minerals, and Missions
Salon B	Mars Express and HRSC I
Salon C	Mars: Interior Processes
Marina Plaza Ballroom	Presolar Grains

Monday Afternoon, 1:30 p.m.

Salon B	PLENARY SESSION: Dwornik Award Presentations followed by Masursky Lecture by Captain John Young

Monday Afternoon, 2:15 p.m.

Salon A	Terrestrial Planet Formation
Salon B	SPECIAL SESSION: Genesis: What We Know, Where We Stand, and the Future
Salon C	Mars Tectonism and Magnetism
Marina Plaza Ballroom	Martian Meteorites: Magmatic Processes

Monday Evening, 5:30 p.m.

Salon B	NASA Headquarters Briefing

Monday Evening, 6:30 p.m.

Marina Plaza Ballroom	Student/Scientist Reception

Tuesday Morning, 8:30 a.m.

Salon A	Martian Impacts: Primary and Secondary
Salon B	SPECIAL SESSION: OMEGA@Mars: New Insights Into Surface Composition
Salon C	Astrobiology II: Microbes, Missions, and Early Terrestrial Life
Marina Plaza Ballroom	Interplanetary Dust

Tuesday Afternoon, 1:30 p.m.

Salon A	Impacts: Ejecta Effects
	3:15 p.m. Venus
Salon B	SPECIAL SESSION: Mars Polar Atmosphere Surface Interactions
Salon C	Nakhlites and Chassignites: New Arrivals and Familiar Friends
Marina Plaza Ballroom	Mars Potpourri: Wet and Dry, Sandy and Dusty

Tuesday Evening, 7:00 – 9:30 p.m.

Fitness Center	Poster Session I
	Presolar Grains
	Micrometeorites and Interplanetary Dust
	Stardust Mission: Aerogel Extraction and Instrumentation
	Genesis: Field Recovery, Status of Select Materials, Analytical Methods
	Mercury
	Lunar Meteorites
	Lunar Mission: Past, Present, Future
	Martian Meteorites: Magmatic Processes
	Nakhlites and Chassignites: New Arrivals and Familiar Friends
	Martian Meteorites: ALH 84001
	Martian Meteorites: Shocking

Tuesday Evening, 7:00 – 9:30 p.m. (continued)

Fitness Center	Poster Session I (continued)
	Achondrites
	Iron and Stony-Iron Meteorites
	Refractory Inclusions
	Impact Modeling
	Impact Experiments
	Martian Impacts
	OMEGA@Mars: New Insights Into Surface Composition
	Mars Express and HRSC II
	Mars Polar Atmosphere Surface Interactions
	Mars Geophysics
	Mars Tectonics
	Mars Volcanism
	Mars Cratering and Analogs
	Dry (?) Mars: Aeolian Processes, Mass Wasting, and Rocks
	Mars Ice: Landforms and Processes
	Mars Potpourri
	Mars: Instruments and Data Interpretation Techniques
	Instruments II: Gamma-Ray Through Visible and Fancy Lasers
	Venus
	Astrobiology
	Education and Public Outreach: K–12 Programs, Professional Development and Informal Education
	Education and Public Outreach: Visualization and Data Integration

Wednesday Morning, 8:30 a.m.

Salon A	Asteroid Spectroscopy and Mineralogy
Salon B	MER Results I
Salon C	Mars Volcanism and Tectonism
Marina Plaza Ballroom	Chondrules and Chondrites

Wednesday Afternoon, 1:30 p.m.

Salon A	Lunar Basalts: A Heap O'KREEP
Salon B	SPECIAL SESSION: Cassini at Saturn I: Huygens Probe and Titan Results
Salon C	Chondrites
Marina Plaza Ballroom	MER Results II

Wednesday Evening, 5:15 – 6:30 p.m.

Marina Plaza Ballroom	Targeting Sites for Observation by the Mars Reconnaissance Orbiter, Part 1: Capabilities and Plans for Community Input

Wednesday Evening, 6:30 – 9:30 p.m.

Poolside	Cocktail Hour followed by Buffet Dinner

Thursday Morning, 8:30 a.m.

Salon A	Small Bodies: Bumping, Spinning, and Shaking
	10:45 a.m. Impacts: Shock Effects
Salon B	SPECIAL SESSION: Cassini at Saturn II: Orbiter and Titan Results
Salon C	Lunar Highlands: Impacts and Isotopes
Marina Plaza Ballroom	Refractory Inclusions

Thursday Afternoon, 1:30 p.m.

Salon A	Impacts: Shocks, Structures, and Models
Salon B	SPECIAL SESSION: Cassini at Saturn III: Titan Surface, Rings, and Icy Satellites
Salon C	Oxygen in the Solar System
Marina Plaza Ballroom	Martian Fluvial Landforms and Processes

Thursday Evening, 7:00 – 9:30 p.m.

Fitness Center	Poster Session II
	Lunar Potpourri
	Lunar Impacts
	Lunar Regolith: Measurements, Experiments, and Calculations
	Lunar Surface Remote Sensing
	Lunar Geophysics

Thursday Evening, 7:00 – 9:30 p.m. (continued)

Fitness Center	Poster Session II (continued)
	Lunar Isotopes
	Impacts and Their Effects on Earth and Above
	MER and MOC Results
	Mars Geochemistry
	Wet Mars: Oceans, Gullies, and More
	Mars Global Units and Composition
	Mars Infrared Spectroscopy
	Mars Climate/Atmosphere
	Mars: Marscellaneous
	Instruments I: Rovers, Robotics, IR, and More
	Exploration: The Future
	Meteorite Characterization Techniques
	Enstatite Chondrites
	Organics in Meteorites
	Carbonaceous Chondrites
	Ordinary Chondrites
	Oxygen in the Solar System
	Early Solar System Processes and Planet Formations
	Asteroids, Comets, and Small Bodies
	Cassini at Saturn: Titan, Saturn, Rings, Icy Satellites
	Outer Solar System

Friday Morning, 8:30 a.m.

Salon A	Europa (and Triton)
Salon B	Mars: From Hydrogen to Ice and Implications for Climate Change
Salon C	Differentiated Meteorites
Marina Plaza Ballroom	Early Solar System Evolution

Friday Afternoon, 1:30 p.m.

Salon A	Galilean Satellites
Salon B	Mars Geochemistry and Weathering
Salon C	Remote Sensing, Mare Basalts, and Lunar Resource Deposits
Marina Plaza Ballroom	Chronology of a Protoplanetary Disk

Print-Only Presentations

Impacts

Moon and Mercury

Astrobiology

OMEGA@Mars

Mars: Surficial Processes

Mars: Volcanism and Tectonics

Mars: Marscellaneous

Meteorites

Oxygen in the Solar System

Cassini at Saturn

Outer Planets and Satellites

Stardust

Asteroids and Small Bodies

Early Solar System Evolution

Venus

Exploration

Education