

Tuesday Morning

8:30	Welcome	F. Ciesla R. Mastrapa
8:40	My Life in the Astrophysical and Planetary Sciences	A. Cameron
9:00	Europa Chair: A. Ekholm Europa's Sub-Jovian Hemisphere From Galileo I25: Tectonic and Chaotic Surface Features	G. V. Hoppa*, R. Greenberg, B. R. Tufts, P. E. Geissler
	Lithospheric dilation on Europa	B. R. Tufts*, R. Greenberg, G. Hoppa, P. Geissler
	Can Tidal Heating Melt Through Europa's Ice Shell?	D. P. O'Brien*, R. Greenberg
	Habitability of Europa	R. Greenberg*, P. Geissler, R. Tufts, G. Hoppa
10:00	Coffee Break	
10:30	Space Physics Chair: J. Emery Wave Instabilities in Magnetohydrodynamics	G. M. Webb*, A. R. Zakharian, M. Brio
	Numerical Model of Diffusive Particle	A. R. Zakharian*, G. M. Webb, M. Brio
	Acceleration in Two-Dimensional SNR Shocks Solar Cosmic Rays and the Heliospheric Magnetic Field	J. Giacalone*
	Remote Imaging of Corotating Interaction Regions by Energetic Neutral Atoms in the Heliosphere	J. Kota*, K. C. Hsieh, J. R. Jokipii
11:30	Cassini Radar Observations of Earth	R. D. Lorenz*, C. Elachi, Cassini Radar Team
11:45	Lunch	

Tuesday Afternoon

- 1:15 Poster Session
- 2:15 **Observing** Chair: J. Barnes
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| Preserving Dark Skies: Do Astronomers Care? | D. R. Davis* |
| Exploring the Trans-Neptunian Region: A Spacewatch Survey of EKO's and Centaurs | A. E. Gleason* |
| Particle Spacing in Rings, Particularly in the Epsilon Ring of Uranus | E. Karkoschka* |
| Infrared Spectrophotometry of Phobos and Deimos | A. S. Rivkin*, R. H. Brown, D. E. Trilling, J. F. Bell III, J. H. Plassmann |
| Analysis of Titan's Geometric Albedo for Constraints on the Extent of Tropospheric Clouds and the Methane Mixing Ratio | M. G. Tomasko*, L. R. Dose, M. T. Lemmon |
- 3:30 Panel Discussion: Moderator R. Beyer
"The Future of Mars Exploration"

Wednesday Morning

- 8:30 Welcome M. Drake
- 8:45 **Io** Chair: P. Withers
Global Mapping of Frosts on Io from Galileo
Multispectral Imaging P. Geissler*, A. McEwen, C. Phillips, D. Simonelli, R. Lopes-Gautier, S. Doute
- Emplacement of Continental Flood Basalt Lava Flows:
Lessons from Io L. Keszthelyi*, A. McEwen, Galileo SSI and NIMS Teams
- Mountains on Io: New Observations and Formation
Models E. P. Turtle*, W. L. Jaeger, L. P. Keszthelyi, A. S. McEwen, J. Radebaugh, D. P. Simonelli, J. M. Moore, Galileo SSI Team
- Calderas on Io: Comparison with Calderas on Earth,
Mars, and Venus J. Radebaugh*, A. S. McEwen, L. P. Keszthelyi, Galileo SSI Team
- 9:45 **Impacts** Chair: I. Daubar
A New and Improved Equation of State for Impact
Cratering Computations H. J. Melosh*
- Magnesioferrite spinel as the host phase for Ir and other
highly siderophile elements at the K-T boundary K. Righter*
- Resistance of Bacteria to Extreme Acceleration:
Implications for Ejection From Planetary Bodies R. M. E. Mastrapa*, H. Glanzberg, J. N. Head, H. J. Melosh, W. L. Nicholson
- 10:30 Coffee Break
- 11:00 **Formation and Evolution** F. Ciesla
A new mechanism for the populating of cometary Oort
cloud T. V. Ruzmaikina*
- Modeling Jupiter's Formation at PSI S. J. Weidenschilling*
- Constraints on the Early History of the Moon from W-
Hf Studies K. Righter*, C.K. Shearer
- 11:45 Lunch

Wednesday Afternoon

- 1:15 **Asteroids** Chair A. Alpert
S-class Asteroids and Space Weathering: The Oncoming Train at the End of the Tunnel A. S. Rivkin*
- NEAR at Eros: A Status Report F. J. Ciesla*
- The Yarkovsky Effect on Regolith-Covered Bodies J. N. Spitale*
- Angle of repose-limited shapes of asteroids P. Withers*
- 2:15 Field Trip Review J. Fortney, J. Barnes
- 2:45 Poster Session
- 3:45 **Mars** Chair: J. Radebaugh
Martian Dust Devils P. H. Smith*
- Giant Hummocks and Polygonal Faulting in Deep-Water Sediments: A New Terrestrial Analog for Martian Polygonal Terrain R. R. Casavant, D. M. Burr*, J. M. Davies
- Is polar clathrate storage fractionation of the Martian atmosphere the cause of the nakhlite Kr to Xe ratio? D. S. Musselwhite*, T. D. Swindle, J. I. Lunine
- Why My Desk is a Mess : Entropy Production on Planets R. D. Lorenz*
- 4:45 LPL Grad Students in Early Times
(Before Formation of the Department of Planetary Sciences) E. Roemer
- 5:00 Conference Reception – Thanks for coming!

Poster Presentations

PPVL: The PIRL Parameter Value Language	B. Castalia*
Basalts and their Weathering Products	I. Daubar*, C. Kelsey
Elliptical Cratering on Mercury	I. Daubar*
The giant polygons on the northern plains of Mars: A test of a model for their formation	A. G. Ekholm*
Rayed Craters as Probes of the Upper Surface of Ma'adim Vallis and Elysium Planitia: Images from Mars Global Surveyor	J. A. Grier*, W. K. Hartmann
Electron temperature in the Io plasma torus: The key to understanding torus energy flow	F. Herbert*
Composition of Cometary Dust: Insights from Photopolarimetry	D. X. K. Kerola*
Trapping of volatile gases in amorphous water ice	R. M. E. Mastrapa*, R. H. Brown, B. A. Cohen, V. G. Anicich, W. Dai, J. I. Lunine
Evolution of Circumstellar Disks Around Young Stars: Termination of Accretion & Disk Dissipation	M.R. Meyer*, S. V. W. Beckwith, B. Schulz, J. R. Stauffer, D. Backman
The Planetary Image Research Laboratory	J. H. Plassmann*
Removal of direct vs. diffuse illumination effects at the Mars Pathfinder landing site	R. A. Yingst*, P. H. Smith, M. T. Lemmon