

**Tuesday, March 11, 2008**  
**POSTER SESSION I: SPACECRAFT MISSIONS**  
**6:30 p.m. Fitness Center**

Chicarro A. F.

*Mars Express — Science Summary at the End of the Extended Mission* [#1645]

The European Mars Express mission has obtained exciting new data leading to fundamental results on the surface, subsurface, atmosphere and space environment of Mars during its more than four years in orbit around the planet.

Chicarro A. F.

*Mars-NExT — A Future Step in the European Exploration of Mars* [#1656]

The ESA Mars-NExT mission is planned after ExoMars and includes at least three landers to establish a network on the surface of Mars, to investigate the interior of the planet, its atmospheric dynamics, and the geology of each landing site.

Klingelhöfer G. Westall F. Zegers T. E. Pullan D. Mars Origin Scientific Team

*Mars Origins Mission* [#1265]

The Mars Origins Mission is an *in situ* mission to the Noachian terrains of Mars that will provide information on the first billion years of inner planet evolution and the appearance of life, i.e., critical information that is lacking on Earth.

Lee P. Hildebrand A. R. Richards R. PRIME Mission Team

*The PRIME (Phobos Reconnaissance and International Mars Exploration) Mission and Mars Sample Return* [#2268]

PRIME is an international robotic lander mission concept to explore Mars's inner moon Phobos to address the outstanding question of its origin. The mission could also play a significant role as a milestone in Mars sample return efforts.

Yoshikawa M. Yano H. Kawaguchi J. Hayabusa-2 Pre-Project Team Small Body Exploration WG

*Japan's Future Plans for Missions to Primitive Bodies: Hayabusa-2, Hayabusa-Mk2, and Marco Polo* [#1747]

In Japan, we have studied about the future missions to primitive bodies in the solar system after Hayabusa mission. The new missions are called Hayabusa-2 and Hayabusa-Mk2. Hayabusa-Mk2 is now considered as Marco Polo with European researchers.

Barucci M. A. Yoshikawa M. Michel P. Kawaguchi J. Yano H. Brucato J. R. Franchi I. A. Dotto E.

Fulchignoni M. Ulamec S. Boehnhardt H. Coradini M. Green S. F. Josset J.-L. Koschny D.

Muñonen M. Oberst J. MARCO POLO Science Team

*MARCO POLO: A Near Earth Object Sample Return Mission* [#1746]

MARCO POLO is a joint European-Japanese sample return mission to a near-Earth object. In late 2007 this mission was selected by ESA, in the framework of Cosmic Vision 2015–2025, for an assessment scheduled to last until mid 2009.

Vasadia S. J. Mistry A. H.

*Study and Utilization of Asteroids* [#2191]

The study and utilization of asteroids will be an economical way to enable exploration of the solar system and extend the human presence in space.

Mistry A. H. Vasadia S. J.

*Lunar Waystation* [#1754]

An establishment of an International Lunar Way Station as a first step toward a planetary outpost exploration strategy.

Nathues A. Boehnhardt H. Harris A. W. ASTEX Study Team

*ASTEX — A Study of a Mission to Visit Two Near-Earth Asteroids* [#1250]

ASTEX is a feasibility study of an *in situ* exploration mission to two NEAs of different mineralogy. The main goals of such a mission are to explore the physical, geological, and mineralogical nature of the target asteroids.