

Mars Exploration Science Monthly Newsletter

A publication of the Mars Program Office and the Mars Exploration Program Analysis Group (MEPAG)

Issue: June 2010

Next MEPAG meeting September 30 – October 1, 2010, Monrovia, California.

Mars Science News

Student Opportunity: Field Training and Research Program at Meteor Crater

The LPI-JSC Center for Lunar Science and Exploration is excited to announce a new student field camp opportunity coming this fall! The Field Training and Research Program at Meteor Crater is being organized under the auspices of the NASA Lunar Science Institute, which is designed, in part, to train a new generation of explorers for the Moon and beyond.

The Field Training and Research Program at Meteor Crater is a week-long geology field class and research project based at Barringer Meteorite Crater, Arizona, more popularly known as Meteor Crater. The goal will be to introduce students to impact cratering processes and provide an opportunity to assist with a research project at the crater. Skills developed during the field camp should better prepare students for their own thesis studies in impact cratered terrains, whether they be on Earth, the Moon, Mars, or some other solar system planetary surface.

The field camp is designed for graduate college students in geology and planetary science programs, although advanced undergraduate students will be considered if they have successfully completed a summer field geology program and have a demonstrated interest in impact cratering processes. The field camp is offered October 17-23, 2010, and limited to twenty-four participants. Interested candidates should apply by June 11, 2010, to be considered.

For more information, please visit <http://www.lpi.usra.edu/nlsi/mcFieldCamp/>.

Near-term Due Dates (next three months)

Due	Project
6/1	Nordlingen 2010 registration deadline
6/11	Student Opportunity: Field Training and Research Program at Meteor Crater application deadline
6/14	Lloyd V. Berkner Space Policy Internships application deadline
6/25	Meeting of the Americas (AGU) discounted registration deadline
6/30	LEAG 2010 abstracts deadline
6/30	ExoClimes 2010 early registration deadline June 30, 2010
7/1	38th COSPAR Scientific Assembly late online registration deadline
7/9	2010 Sagan Exoplanet Summer Workshop late online registration deadline
8/4	5th Alfven Conference preregistration deadline
9/3	1st Planetary Crater Consortium Meeting abstracts deadline
9/20	First Moscow Int'l Solar System Symposium registration deadline
9/27	Geological Society of America National Meeting online registration deadline

Lloyd V. Berkner Space Policy Internships:

CURRENTLY ACCEPTING APPLICATIONS FOR THE AUTUMN 2010 PROGRAM

APPLICATION DEADLINE: June 14, 2010

The goal of the Lloyd V. Berkner Space Policy Internship program is to provide promising undergraduate and graduate students with the opportunity to work in the area of civil space research policy in the nation's capital, under the aegis of the National Academy of Sciences/National Research Council's (NAS/NRC's) Space Studies Board (SSB).

Established in 1958 to serve as the focus of the interests and responsibilities in space research for the NAS/NRC, the SSB provides an independent, authoritative forum for information and advice on all aspects of space science and applications, and it serves as the focal point within the NAS/NRC for activities on space research. It oversees advisory studies (including the on-going decadal surveys in astronomy and astrophysics, planetary science, life and microgravity sciences, and solar and space physics) and program assessments, facilitates international research coordination, and promotes communications on space science and science policy between the research community, the federal government, and the interested public. The SSB also serves as the U.S. National Committee for the International Council for Science Committee on Space Research (COSPAR).

The Lloyd V. Berkner Space Policy Internships, named after the first chair of the SSB, are offered twice annually. The SSB is now accepting applications from undergraduate and graduate students for its autumn 2010 program. The deadline for applications is June 14, 2010. Successful candidates will be contacted no later than July 2, 2010.

Visit http://sites.nationalacademies.org/SSB/ssb_052239 to learn more about the program and to get application information.

Upcoming Conferences and Workshops

Type	Date & Location	Event Information
<i>Second Quarter, 2010</i>		
	June 1–August 9, 2010 Houston, Texas, USA	Lunar Exploration Summer Intern Program Hosted by Lunar Planetary Institute (LPI) Contact Dr. David Kring at kring@lpi.usra.edu http://www.lpi.usra.edu/lunar_intern/
	June 2-4, 2010 Kiruna, SWEDEN	Mars Express Science Working Team Meeting Contact Oliver Witasse at owitasse@rssd.esa.int
	June 8-9, 2010 Tachikawa City, Tokyo, JAPAN	33rd Symposium on Antarctic Meteorites National Institute of Polar Research http://yamato.nipr.ac.jp/AMRC/symposium/2010/symposium3rd.html
	June 8-10, 2010 Golden, Colorado, USA	First Joint Meeting of Space Resources Roundtable and Planetary & Terrestrial Mining Sciences Symposium For more information, please visit the SRR web page at: http://www.isruinfo.com/ and open the SRR/PTMSS 1 st Announcement pdf file.
	June 8-12, 2010 Oslo, NORWAY	International Polar Year Oslo Science Conference http://www.ipy-osc.no/

	June 9-11, 2010 Oslo, NORWAY	Damage to Target Rocks During Impact Cratering http://folk.uio.no/stephaw/cdws.html
	June 12-13, 2010 Barcelona, SPAIN	Planetary Protection Short Course http://www.planetaryprobe.eu/
	June 13-18, 2010 Knoxville, Tennessee, USA	Goldschmidt Conference http://www.goldschmidt2010.org/ Contact: Hap McSween at mcsween@utk.edu Session 01d: The New Mars: Geochemistry of a Neighbor Planet Conveners: Dave Des Marais (NASA Ames) and Scott McLennan (Stony Brook) Keynote: Lisa Pratt (Indiana) Mars is the one other planet in the solar system that apparently had a climate most similar to that of Earth. Mars differentiated very early into a core, mantle and crust; it preserved an ancient geological record that has no parallel on Earth; and it evolved mostly if not completely without plate tectonics. An early hydrological cycle sustained precipitation, streams and lakes. Later, volcanism, impacts, groundwater, and ice interacted at least locally. Liquid water participated in rock weathering reactions, such as iron and sulfur oxidation, that created distinctive weathering regimes and potentially sustained life. Methane in the atmosphere apparently requires a strong subsurface source(s). Conditions therefore could have supported life sometime in the past and perhaps could even sustain it today. This session will highlight recent geochemical investigations that are unveiling "the new Mars" and will lead ultimately to determining its geochemical evolution and whether life ever developed.
	June 14-16, 2010 Brittany, FRANCE	Faraday Discussion 147: Chemistry of the Planets Saint Jacut de la Mer. Contact: Ian Sims, ian.sims@univ-rennes1.fr http://www.rsc.org/ConferencesAndEvents/RSCConferences/FD147/index.asp
	June 14-18, 2010 Barcelona, SPAIN	7th International Planetary Probe Workshop 2010 (IPPW-7) http://www.planetaryprobe.eu/
	June 14-18, 2010 Fallberg, SWEDEN	AbGradCon 2010 The foremost astrobiology meeting for early-career researchers invites biologists, geoscientists, astronomers and students from related fields. More information can be found at http://www.abgradcon2010.org
	June 20-26, 2010 Aussois, FRANCE	International Venus Conference For information visit http://lesia.obspm.fr/venus2010/
	June 22-23, 2010 Flagstaff, Arizona, USA	The Annual Meeting of Planetary Geologic Mappers Contact: Les Bleamas (lbleamas@psi.edu)
	June 25-27, 2010 Nordlingen, GERMANY	Nordlingen 2010: The Ries Crater, the Moon, and the Future of Human Space Exploration Deadline for registration is June 1, 2010 http://www.lpi.usra.edu/meetings/nordlingen2010/nordlingen20101st.shtml
<i>Third Quarter, 2010</i>		
	July 2010	Third MSL Landing Site Engineering Assessment Workshop

July 5-9, 2010 Hyderabad, INDIA	Laboratory Planetary Sciences at AOGS 2010 http://www.asiaoceania.org/aogs2010
July 18–25, 2010 Bremen, GERMANY	38th COSPAR Scientific Assembly Topics: - SC B: The Earth-Moon System, Planets, and Small Bodies of the Solar System - SC C: The Upper Atmospheres of the Earth and Planets Including Reference Atmospheres - SC D: Space Plasmas in the Solar System, Including Planetary Magnetospheres - SC F : Astrobiology and Space Science, Including Habitability on Mars : Past, Present & Future - Panel on Planetary Protection (PPP) Late online registration deadline July 1, 2010 Contact: cospar@cosparhq.cnes.fr http://www.cospar2010.org/ or http://www.cospar-assembly.org
July 20-22, 2010 Moffett Field, CA, USA	3rd Annual NASA Lunar Science Forum Ames Research Center http://lunarscience2010.arc.nasa.gov
July 26-30, 2010 New York, New York, USA	73rd Annual Meeting of the Meteoritical Society Contact: Dr. Denton Ebel http://www.meteoriticalsociety.org/simple_template.cfm?code=news_meetings
July 26-30, 2010 Pasadena, California, USA	2010 Sagan Exoplanet Summer Workshop http://nexsci.caltech.edu/workshop/2010/index.shtml
August 3-4, 2010 Pasadena, CA, USA	3rd Meeting of the NASA Small Bodies Assessment Group (SBAG)
Update August 8-13, 2010 Foz do Iguassu, BRAZIL	The Meeting of the Americas (American Geophysical Union) Session P04: Ice Processes of Terrestrial Bodies Polar and ice process vary widely among solar system terrestrial bodies. Earth is dominated by H ₂ O ice, while Mars is dominated by CO ₂ ice. The icy satellites of the outer planets are composed of H ₂ O, N ₂ , and CH ₄ . Yet many of these processes are common to multiple bodies, e.g. the CO ₂ gas jets observed on Mars may be driven by similar processes as the jets observed on Enceladus and Triton. The session seeks to include studies that include laboratory experiments under planetary conditions, models and observations of ice processes. Session P08: Terrestrial Analog Studies of Martian and Planetary Environments http://www.agu.org/meetings/ja10/program/scientific_session_search.php?show=detail&sessid=162). Terrestrial analogs serve as useful tools for understanding environments on Mars and other planetary environments. With planetary high spatial resolution imagery, hyperspectral datasets, and in situ studies provided by rovers, results can better than ever before be compared with field and remote sensing studies of Earth. analogs have increasingly taken on an international scope, with relevant investigations in Latin America and other places. This session seeks to include studies in the Americas, as well as other locales, that have increased our understanding of the geology and possible life-forming environments on other worlds. Detailed information on the programme and meeting organization can be found at http://www.agu.org/meetings/ja10/ Discounted registration deadline June 25, 2010
August 21-27, 2010 Budapest, HUNGARY	20th General Meeting of the International Mineralogical Association (IMA2010) You are invited to contribute to the session: PL121: Planetary mineralogy: Meteorites, shock metamorphism, and more. For general information, please visit http://www.ima2010.hu

	August 30 – September 2, 2010 Madison, WI, USA	Venus Atmosphere and Surface Workshop and the 8th VEXAG Meeting Scientists interested in comparative studies of Earth and Venus, as well as Venus atmosphere are invited to attend. Register at http://www.lpi.usra.edu/vexag For more information, visit http://venus.wisc.edu/workshop
	September 7-10, 2010 Exeter, UNITED KINGDOM	ExoClimes 2010 Exploring the Diversity of Planetary Atmospheres Early registration deadline June 30, 2010 For information: http://www.exoclimes.org Contact exoclimes@astro.ex.ac.uk
	September 14-16, 2010 Washington, DC, USA	2010 Annual Meeting of the Lunar Exploration Analysis Group (LEAG 2010) Deadline for abstract submission June 30, 2010 http://www.lpi.usra.edu/meetings/leag2010/
	Update September 19-25, 2010 Rome, ITALY	European Planetary Science Congress 2010 Session: "Exploring the Martian Moons" http://meetingorganizer.copernicus.org/EPSC2010/session/3837 Session: "Earth analogues as natural field facilities for astrobiology and space science" http://meetingorganizer.copernicus.org/EPSC2010/session/3902 Field Sites: public directly in contact with astrobiological expedition campaigns http://meetingorganizer.copernicus.org/EPSC2010/session/4003 Conference information: http://meetings.copernicus.org/epsc2010/
	September 22-24, 2010 Flagstaff, Arizona, USA	1st Planetary Crater Consortium Meeting Contact Nadine Barlow at Nadine.Barlow@nau.edu to let her know if you plan to attend so that plans can be made for refreshments, etc. Deadline for abstract submission September 3, 2010 http://www.planetarycraterconsortium.nau.edu/
	September 27-29, 2010 Monrovia, California USA	Fourth MSL Landing Site Community Workshop
	September 30 – October 1, 2010 Monrovia, California USA	MEPAG #23
<i>Fourth Quarter, 2010</i>		
	October 4-8, 2010 Sapporo, JAPAN	5th Alfven Conference: Plasma Interaction with Non-Magnetized Planets/Moons and Its Influence on Planetary Evolution Preregistration deadline August 4, 2010 http://www.ep.sci.hokudai.ac.jp/~alfven5/
	October 4-8, 2010 Pasadena, California, USA	42nd Annual Meeting of the DPS http://dps.aas.org/meetings/2010/
	October 11-15, 2010 MOSCOW	First Moscow International Solar System Symposium The main theme of the symposium will be Mars system studies. This theme is closely related to Phobos Sample Return Mission devoted to Mars and Phobos study, which is in preparation for launch in the end of 2011. Abstract submission deadline July 1, 2010 Registration deadline September 20, 2010 http://ms2010.cosmos.ru/

	October 19, 2010 Denver, CO, USA	Next 2001 Mars Odyssey PSG Meeting Lockheed Martin Space Systems, Denver, CO
	October 31– November 3, 2010 Denver, Colorado, USA	Geological Society of America National Meeting Online registration deadline September 27, 2010 http://www.geosociety.org/meetings/
	November 8-9, 2010 NETHERLANDS	Mars Express Science Working Team Meeting joint with Venus Express Science Team Meeting Contact Oliver Witasse at owitasse@rssd.esa.int
	November 15-19, 2010 Orlando, Florida, USA	ISPRS Symposium / Planetary Mapping Workshop The symposium has a dedicated workshop on Planetary Mapping, which will include data acquisition, processing and analysis, as well as planetary reference system and data bases. http://www.asprs.org/orlando2010/index.html Call for abstracts http://www.asprs.org/orlando2010/OrlandoCallDomestic.pdf
	December 13–17, 2010 San Francisco, California, USA	AGU Fall Meeting http://www.agu.org/meetings
<i>2011</i>		
	January 25-26, 2011 Washington, DC, USA	4th Meeting of the NASA Small Bodies Assessment Group (SBAG)
	March 2011	Fifth MSL Landing Site Community Workshop
	April 11-15, 2011 Houston, Texas, USA	Humans in Space Symposium Registration opens September 1, 2010 Call for papers will be made on September 1, 2010 http://www.dsls.usra.edu/meetings/IAA/
	August 2011 Greenwich England, UNITED KINGDOM	74th Annual Meeting of the Meteoritical Society Contact: Gretchen Benedix http://www.meteoriticalsociety.org/simple_template.cfm?code=news_meetings
	October 2-7, 2011 Nantes, FRANCE	43rd Annual Meeting of the DPS & 2011 European Planetary Science Congress Contact Olivier Grasset at Olivier.Grasset@univ-nantes.fr http://www.aas.org/dps/meetings.html
	October 9–12, 2011 Minneapolis, Minnesota, USA	Geological Society of America National Meeting http://www.geosociety.org/meetings/
	December 12–16, 2011 San Francisco, California, USA	AGU Fall Meeting www.agu.org/meetings
<i>2012</i>		
	August 2012 Cairns, Queensland AUSTRALIA	75th Annual Meeting of the Meteoritical Society Contact: Trevor Ireland http://www.meteoriticalsociety.org/simple_template.cfm?code=news_meetings
	August 2012 Brisbane, AUSTRALIA	The 34th International Geological Congress http://www.33iqc.org/
<i>2013</i>		



July 2013
Pasadena, California,
USA

8th International Conference on Mars
California Institute of Technology

Special holidays to consider when scheduling conferences/workshops/ meetings:

Good Friday	4/2/2010	4/22/2011	4/6/2012	3/29/2013	4/18/2014
Rosh Hashanah	9/9/2010	9/29/2011	9/17/2012	9/5/2013	9/25/2014
Yom Kippur	9/18/2010	10/8/2011	9/26/2012	9/14/2013	10/4/2014
(Note that Jewish holidays start at sundown the previous evening).					
Thanksgiving Day, U.S.	11/25/2010	11/24/2011	11/22/2012	11/28/2013	11/27/2014
Thanksgiving Day, Canada	10/11/2010	10/10/2011	10/8/2012	10/14/2013	10/13/2014

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Please send your Mars Community Announcements and calendar items for inclusion in next month's email to Joyce Pulliam, Joyce.N.Pulliam@jpl.nasa.gov, 818-393-0444.

All announcements listed in this newsletter will be posted on the MEPAG website, available at <http://mepag.jpl.nasa.gov>.