

# 2008 PROGRAM

## Sunday, October 19

5:30 PM Registration, Conference Room

6:30 PM Reception, Conference Room

## Monday, October 20

7:00 AM Breakfast, Red Cliff Lodge Restaurant

### A Global Perspective, Conference Room

8:00 AM *A. D. Howard\**, *Y. Matsubara*, *C.J. Barnhart*, *J. M. Moore*, *R. P. Irwin, III*, *T. A. Maxwell* and *M. Higbie*

Hydrology Of Early Mars

8:40 AM *A. Soto\** and *M. I. Richardson*

Water at the Surface of Ancient Mars

9:20 AM *M. I. Richardson\** and *A. Soto*

Controls On Precipitation And Aridity For Ancient Mars

10:00 AM *M. R. T. Hoke\** and *B. M. Hynek*

Roaming Zones Of Precipitation On Ancient Mars As Recorded In Valley Networks

11:00 AM *J.M. Goldspiel*

Call For Testing The Theoretical Effects Of Climate On The Flow And Discharge Of Groundwater On Mars Through Laboratory Experiments

11:40 AM *G. Di Achille\**, *G. G. Ori*, *B. Hynek*, and *E. Hauber*

Global Distribution Of Putative Martian Deltas In The Light Of HRSC And HIRISE Instruments: Open Issues And Hydrological Inferences

12:30 PM Lunch, Conference Room

### Regional Studies, Session I Conference Room

1:30 *S. Bouley\**, *D. Loizeau*, *N. Mangold*, *V. Ansan*, *F. Poulet*, *J.P. Bibring*, *Y. Langevin* and the *Omega Team*

Geological Relationships Between Hydrated Minerals And Fluvial Landforms In Tyrrhena Terra

2:10 *E. Hauber\**, *K. Gwinner*, *M. Kleinhans*, *D. Reiss*, *G. Di Achille* and, *R. Jaumann*

Fluvial Valleys And Sedimentary Deposits In Xanthe Terra: Implications For The Ancient Climate On Mars

2:50 *R. Jaumann\**, *A. Nass*, *D. Tirsch*, and *D. Reiss*

The Western Libya Montes Valley System On Mars: Evidence For Episodic And Multi-Genetic Erosion Events

3:30 PM Daily Wrap-up

## **Tuesday, October 21**

**7:00 AM Breakfast, Restaurant**

### **Regional Studies, Session II, Conference Room**

8:00 AM *C. J. Barnhart\**, *A. D. Howard*, and *J. M. Moore*

Prolonged Late-Stage Valley Network Formation: Landform Simulations Of Parana Basin, Mars

8:40 AM *D.M. Burr\**, *R. M. E. Williams*, *A.D. Howard*, *J.R. Zimbelman<sup>4</sup>*, *T. Brennand*, *M.-T. Enga*, and *K.D. Wendell*

Pervasive Aqueous Paleoflow Features In The Aeolis/Zephyria Plana Region, Mars

### **Ages of Martian Valley Networks, Conference Room**

9:20 AM *C. I. Fassett\**, *J.W. Head*, and *J.L. Dickson*

Mars Valley Networks: Chronology And Environments

10:00 AM *C. Quantin* and *R. A. Craddock\**

Timing Of Martian Valley Network Using Fine Scale Age Determination

**10:40 AM Group Discussion: When, Where, and How Much?**

**12:00 PM Lunch, Restaurant**

### **Mars Analog Studies**

1:00 PM *R.A. Craddock\**, *A.D. Howard*, *P-S. Chu*, *R.P. Irwin, III*, *D. Swanson*, *S. Tooth*, *R.M.E. Williams*, and *J.R. Zimbelman*

Gulley Formation In The Keanakako'i Tephra Deposit: Implications For Erosion On Mars

1:40 PM *R.P. Irwin III\**, *C.M. Fortezzo*, *S.E. Tooth*, *A D. Howard*, *J.R. Zimbelman*, *C.J. Barnhart*, *A.J. Benthem*, *C.C. Brown*, and *R.A. Parsons*

Origin Of Theater-Headed Tributaries To Escalante And Glen Canyons, Utah

2:20 PM *R.M.E. Williams\**

Terrestrial Inverted Channels In Utah: Analogs For Investigation Of Martian Sinuous Ridges

3:00 PM *A.D. Howard\**

An Overview Of Sapping Features In The Colorado Plateau

**3:40 PM Daily Wrap-up**

## **Wednesday, October 22**

**7:00 AM Breakfast, Restaurant**

**8:30 AM Meet in Hotel Lobby**

**9:00 AM Leave for Field Trip to Canyonlands and Arches National Parks**

**6:00 PM Return from Field Trip to Canyonlands and Arches National Parks**

## **Thursday, October 23**

**7:00 AM Breakfast, Restaurant**

### **Mapping Mars Valley Networks, Conference Room**

**8:00 AM** *B.M. Hynek\**, *M. Beach*, and *M.R.T. Hoke*

Updated Global Map Of Martian Valley Networks: Implications For Hydrologic Processes

**8:40 AM** *T. F. Stepinski\** and *W. Luo*

Computer Mapping Of Valley Networks On Mars: An Overview Of Methods And Challenges

**9:20 AM** *W. Luo\** and *T. F. Stepinski*

Comparing Dissection Patterns Of Mars And Earth: Paleoclimate Implications

**10:00 AM** *S.C. Mest* and *D.A. Crown\**

Comparison Of Mapped And Modeled Watersheds In The Tyrrhena Terra Region Of Mars

**10:40 AM Workshop Summary**

## **Friday, October 24**

**7:00 AM Breakfast, Restaurant**

**8:30 AM Meet in Hotel Lobby**

**9:00 AM Leave for Optional Field Trip to Green River and Hanksville**

**7:00 PM Return from Optional Field Trip to Green River and Hanksville**