

**UPDATING THE LUNAR CHRONOLOGY AND STRATIGRAPHY:
NEW LABORATORY AND REMOTE SENSING DATA,
AND
NEW APPROACHES TO THE INTERPRETATION OF OLD DATA.**

First Team Workshop, in Bern, Switzerland, on October 24-26, 2011

Aim of the first Team meeting:

As a result of this first meeting, it will be possible to identify the interests and expertise of each Team Member so that it will be possible to create synergies and proceed with the project. Each individual should bring their thoughts, ideas and initiative to the meeting so that all have the opportunity to state their contribution and interest.

Note: Martin Jutzi is replacing, as a Team Member, Andreas Reufer (who no longer is part of the Team). Winfried Schwarz replaces Mario Trieloff in the 1st Team workshop.

Meeting agenda (version 10/10/11)

Monday, 24/10

The first day of the meeting is intended for each Team member to present his/her work in the realm of the ISSI project. Each presentation will be of 20 minutes + 5 minutes of Q&A.

To achieve the aims of the project in the presentation, the speakers and group will be asked to:

1. Give a brief overview of their research and the nature of the contribution they can make.
2. Address one or more of the objectives stated in the proposal. (The proposal can be found at website that will be created)
3. Highlight the main areas of uncertainty/lack of understanding in your research area and what is needed to be achieved to address these issues.

PRESENTATIONS:

- 9:15** V. Fernandes
Welcome and introduction to the 1st Workshop idea and intent
- 9:30** **A. Fortier & Y. Alibert**
Connections between the formation of the giant planets and "the Late Heavy Bombardment"
- 9:55** **M. Jutzi**
Forming the lunar farside highlands by accretion of a companion moon"
- 10:25** **M. Fischer-Gödde**
Highly siderophile elements as tracers for late accretion in the early Earth-Moon system

10:50 N. Artemieva
Numerical modeling of impacts: how to connect models with lunar data?"

11:15 V. Fernandes, R. Burgess & M. Tieloff
Lunar impact chronology

11: 40 W. Schwarz
Decay constants and monitor ages: updates and ages recalculation

12: 05 TBD (discussion)

12:30 – LUNCH

14:00 J. Fritz
Shock petrology and lunar impact erosion

14:25 K. Joy
Lunar regolith samples: time-capsules of the lunar impact flux

15:00 – 17:30 Breaking into teams:
Group 1 - modellers
Group 2 experimentalists

During this time each time is encouraged to brainstorm on common ideas.

Tuesday, 25/10

For this second meeting day, the two initial Groups mix forming two new Groups with individuals from either initial Group (mixing modellers and experimentalists) to start developing concepts that can bring together concepts from either modellers and experimentalists and move forward to a next stage to tackle the main topic of the Team: Lunar Chronology

Wednesday 26/10

Optimization of the groupings and synergies.....

Each splinter group will have to present a report (e.g. list of outstanding issues, and ways to overcome the problems) to the other team by the end of the third day of the workshop.