

'Before the Moon'      November 7 - November 10, 2016

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**MONDAY**

08:45-08:50 Welcome (Hirose)

08:50-09:00 Introduction (Mojzsis)

Session: First solar system solids and formation timescales (Chair: Mojzsis)

09:00-09:35 Huss: The raw materials for making the solar system

09:35-10:10 Ireland: Chronology of the early solar system and implications for processes

10:10-10:45 Chaussidon: Constraints on timing and processes from dust to chondrules

Break 15mn

11:00-11:35 Russell: The formation environment of chondrules and calcium aluminium rich inclusions

11:35-12:10 Bouvier: Chronology of early solar system materials and implications for the protoplanetary disk

12:10-13:30 Lunch

Session: Accretionary processes: From dust and planetesimals to planets (Chair: Russell)

13:30-14:04 Ciesla: Dust growth and its effects on transport in disks

14:05-14:40 Ida: Formation of planetesimals

Break 20mn

15:00-15:35 Morris: Models for chondrule formation in the early solar nebula

15:35-16:10 Nimmo: Accretion, mixing and differentiation of planetary bodies

16:10-16:45 Brasser: The cool and distant formation of Mars

Break 15 mn

17:00-18:30: Open Forum: Questions – Discussion – New ideas

**TUESDAY**

Session: Isotopic variations in chondrules and planetary materials (Chair: Bouvier)

08:45-09:20 Qin: Cr isotope systematics of chondrules

09:20-09:55 Alexander: The link between chondrule formation and chondrite accretion

09:55-10:30 Yurimoto: Evolution of planet-forming components in the first millions of years of solar system formation

Break 15mn

10:45-11:20 Fischer-Gödde: Establishing genetical links among solar system materials using nucleosynthetic Ru and Mo isotope anomalies

11:20-11:55 Carlson: Controls on terrestrial planet composition(s)

12:00-13:30 Lunch

Session: Pebbles vs. planetesimals; HSE geochemistry (Chair: Ida)

13:30-14:05 Kretke: Forming the solar system from pebbles

14:05-14:40 Matsumura: The effects of dynamical evolution of giant planets on the elemental abundances of terrestrial planets

Break 20 mn

15:00-15:35 Day: Distribution of highly siderophile and volatile elements in proto-earth materials

15:35-16:10 Yin: Enstatite chondrites, the Earth-like reservoir and the timing of gap opening in the early solar nebula by Jupiter formation

Break 20 mn

16:30-18:30 Open Forum: Questions – Discussion – New ideas

## **WEDNESDAY**

Session: Evening of the Moon-forming event and beyond (Chair: Brassler)

08:45-09:20 Boyet: Magma oceans in the Earth-Moon system

09:20-09:55 Hernlund: What do we really know about magma ocean oxygen fugacity?

09:55-10:30 Mojzsis: Evolved crusts in dynamically 'hot' planetary embryos

Break 15mn

10:45-11:20 McKeegan: Oxygen isotopes on an old Moon

11:20-12:00 Open Forum: Questions – Discussion – New ideas

12:00-13:30 Lunch DISASTER DRILL 12:15-13:00

Group formation – writing (13:30-18:00)

## **THURSDAY**

Group formation – writing (09:00-12:00)

12:00-13:30 Lunch

Group formation – writing (13:30-16:00)