

*Supported by Tohoku University Global COE program
“Global Education and Research Center for Earth and
Planetary Dynamics”*

***The 1st Workshop on
“Planetary Collisions and
Evolution of Solar System”***

October 27th, 2008

Chigaku-Building (503), Graduate School of Science,

Tohoku University

Timetable and speakers

9 : 00 – 9 : 05 *Opening remarks*

Session A: *Planetary Collisions*

A-1 9 : 05 – 9 : 35 *Ahmed El Goresy (Bayerisches Geoinstitut, Universität Bayreuth)*

Title: Evidence for fractional crystallization of Mg-rich wadsleyite and Fe-rich ringwoodite in olivine porphyritic chondrules entrained in shock melt veins in the Peace River L-6 chondrite; Constraints to the duration of shock events on chondritic asteroids and possible time of the destruction of the parent body.

A-2 9 : 35 – 9 : 55 *Makoto Kimura (Faculty of Sci., Ibaraki Univ.)*

Title: Cooling history of shock vein in chondrite.

A-3 9 : 55 – 10 : 15 *Eiji Ohtani (Graduate School of Sci., Tohoku Univ.)*

Title: Experimental simulation of the shock textures in Iron meteorite.

A-4 10 : 15 – 10 : 35 *Masaaki Miyahara (Graduate School of Sci., Tohoku Univ.)*

Title: Further evidences of the fractional crystallization of wadsleyite and ringwoodite from olivine melts.

A-5 10 : 35 – 10 : 55 *Yugo Sato (Graduate School of Sci., Tohoku Univ.)*

Title: Shock melt vein as a paleomagnetic recorder: implication for parent-body magnetic.

A-6 10 : 55 – 11 : 15 *Shin Ozawa (Graduate School of Sci., Tohoku Univ.)*

Title: Impact conditions and timing of L6 chondrites estimated from shock melt vein mineralogy.

A-7 11 : 15 – 11 : 35 *Tristan Ferroir (Ecole Normale Supérieure de Lyon)*

Title: Carbon polymorphism in shocked meteorites.

A-8 11 : 35 – 11 : 55 *Aiko Nakato (Graduate school of Sci., Kyushu Univ.)*

Title: Investigation of dehydration mechanism during heating of hydrous asteroids-observation and heating experiments of CM chondrites-.

11 : 55 – 13 : 00 Lunch Time

Session B: Evolution of Solar System

B-1 13 : 00 – 13 : 20 *Hitoshi Miura (Graduate School of Sci., Tohoku Univ.)*

Title: Collisional events on chondrules.

B-2 13 : 20 – 13 : 40 *Junya Yamada (Graduate School of Sci., Tohoku Univ.)*

Title: Reproduction of enstatite whiskers and platelet from highly supersaturated silicate vapor.

B-3 13 : 40 – 14 : 00 *Yoshihiro Furukawa (Graduate School of Sci., Tohoku Univ.)*

Title: Impact chemical reactions between water and meteorite.

14 : 00 – 14 : 05 Closing remarks

Notice: We have travel grant for Ph. D. candidates and young researchers. Please contact to “miyahara@ganko.tohoku.ac.jp”.

- Organizing Committee -

Masaaki Miyahara (Tohoku University, Global COE research fellow)

Eiji Ohtani (Tohoku University, Global COE leader)

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