

学会参加報告

神戸大学 D1 町井渚

Gordon Research Conferences
Origins of Solar Systems
July 5-10, 2009 @ Mount Holyoke College,
South Hadley, MA





学会の目的

The 2009 Gordon Conference on the Origins of Solar Systems will present current research on **the formation of stars and planets**. We will bring together **astronomers, planetary scientists and meteoriticists** to provide a multi-disciplinary approach to this topic, and will mix scientists from different disciplines within the sessions. **The speakers will all be very active leaders in their fields**. There have been many exciting recent discoveries on this topic, including analyses of returned cometary material (from the NASA Stardust mission), and new information about the composition of the Sun. Detections of new exoplanets from the Kepler and CoRoT missions are expected soon. An abundance of new data on planets is now inspiring the development of novel models for the formation, evolution and structure of planetary systems both in our own solar system and beyond. All of these issues will be discussed at the 2009 Conference. **Students and postdocs are very much encouraged to attend the Conference and to present their work in the form of posters**. The structure of this Conference allows for formal discussion sessions in the mornings and evenings and informal networking and discussion in the afternoons. **The friendly atmosphere and unique range of disciplines represented encourages effective new collaborations to be made**.

- 星形成、惑星形成に関する最近の研究
- 天文学、惑星科学、隕石学者がみんなで議論し合う
- 講演者はそれぞれの分野で活発に研究している人
- 学生やポスドクの参加は大歓迎！（ポスター発表のみ）
- 親しみやすい雰囲気
- 参加者109名



プログラム

	Topic
1	INITIAL COSMIC ABUNDANCES
2	TIMESCALES OF DISKS
3	DISK CHEMISTRY
4	DUST TO PLANETESIMALS
5	PLANETS TO DUST
6	DISTRIBUTION OF ISOTOPES IN THE SOLAR SYSTEM
7	PLANET STRUCTURE AND EVOLUTION
8	PLANET FORMATION
9	COMPARATIVE PLANETOLOGY

1日の流れ

9:00 am - 12:30 pm	Topic-1
9:00 am - 9:20 am	Discussion Leader:topicの概要
9:20 am - 9:55 am	講演1
9:55 am - 10:10 am	Discussion
10:10 am	Coffee Break
10:40 am - 11:15 am	講演2
11:15 am - 11:30 am	Discussion
11:30 am - 12:05 pm	講演3
12:05 pm - 12:30 pm	Discussion
12:30 pm	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session
6:00 pm	Dinner
7:30 pm - 9:30 pm	Topic-2
7:30 pm - 7:50 pm	Discussion Leader: topicの概要
7:50 pm - 8:25 pm	講演1
8:25 pm - 8:40 pm	Discussion
8:40 pm - 9:15 pm	講演2
9:15 pm - 9:30 pm	Discussion





Matthias van Ginnekenさんのポスター

地球上で形成したaggregate(右図)

- スフェリキュール：ablation debris
- 南極の砂と混ざり合ってaggregateを形成

南極のmicrometeoriteに関する参考文献

L. Folco et al. (2008) Microtektites from Victoria Land Transantarctic Mountains. *Geology*, 36, 4, 291-294.

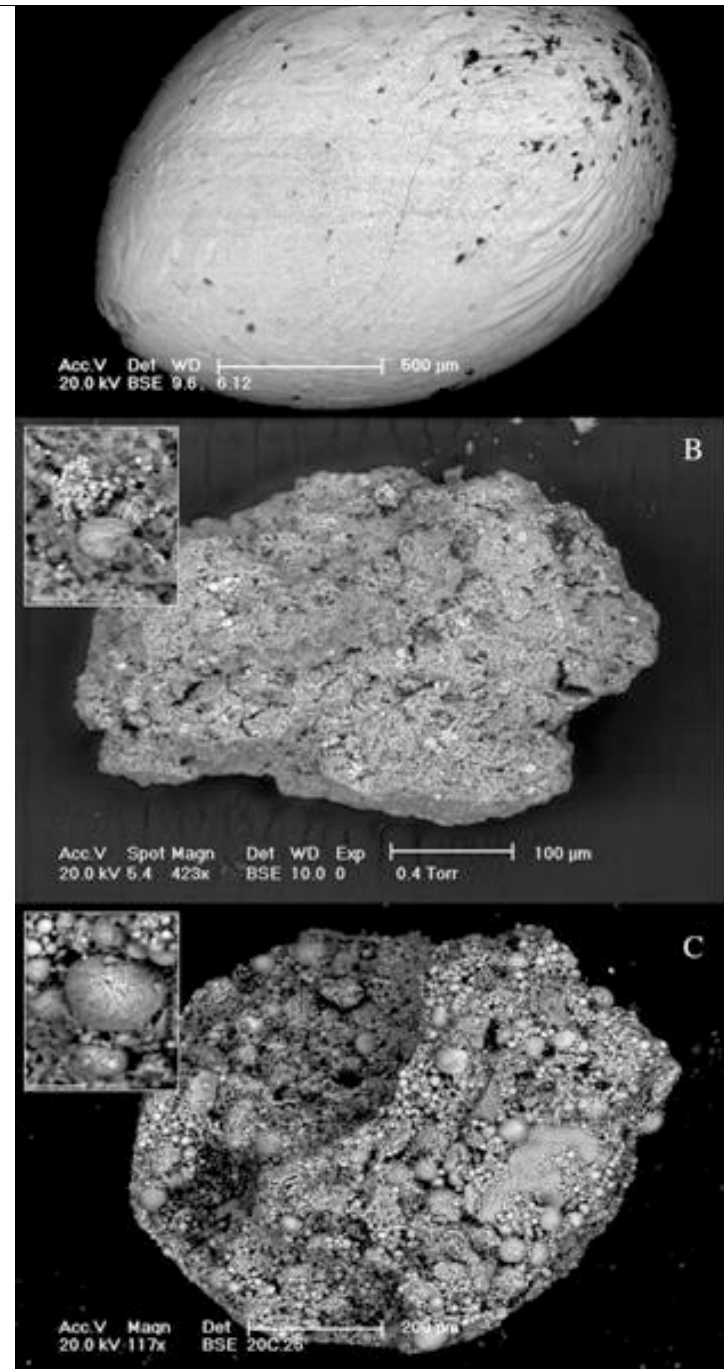
Genge M. J. and Grady (1999) M. M. The fusion crusts of stony meteorites: Implications for the atmospheric reprocessing of extraterrestrial materials. *Meteoritics & Planetary Science*, 34, 341-356


Micrometeoriti dalla Montagne Transantartiche viste al microscopio elettronico a scansione.

A) Sferula cosmica "gigante".

B) Micrometeorite non fusa.

C) Aggregato sferulitico di origine extraterrestre, probabilmente associato ad un evento meteoritico catastrofico fino ad oggi sconosciuto avvenuto 480 mila anni fa





感想

- まさにfriendly atmosphere
- 同じくらいの学年の学生と仲良くなれる
- 教授陣にちょっとしたことでも、直接質問できる
- 学生からの質問がたくさん
- 議論が付きない！

