

International Symposium on Cosmochemistry and Astrophysics

Organized in honor of the retirement of Professors Noboru Nakamura and Takuya Matsuda

Date:	March 2(Thu.)-3(Fri.), 2006
Venue:	Kobe University Centennial Hall
Organizer:	21st COE Program "Origin and Evolution of Planetary Systems" Department of Earth and Planetary System Sciences, Kobe University

Cosmochemistry session (March 2, 2006)

09:30-09:40 Opening address and business announcements (LOC)

The first session : session chairperson Takuya Matsumoto (Osaka University)

09:40-10:20 Takeshi Ohno (Tokyo Institute of Technology, Japan)
Stable isotope geochemistry of strontium and rare earth elements using MC-ICPMS

10:20-11:00 Jun-ichi Matsuda (Osaka University, Japan)
Research of noble gas component Q in meteorites

11:00-11:15 Coffee break

11:15-11:55 Gen Shimoda (National Institute of Advanced Industrial Science and Technology, Japan)
Origin of Martian volcanism and enriched reservoir

11:55-13:00 Lunch break

The second session : session chairperson Gen Shimoda (AIST, Japan)

13:00-13:40 Keiji Misawa (National Institute of Polar Research, Japan)
U-Pb, Sm-Nd, Rb-Sr isotopic studies of Martian meteorites

13:40-14:20 Gerlind Dreibus (Max-Planck-Institut fuer Chemie, Germany)
Chemistry of the Martian surface: Results from the Mars Exploration Rovers

14:20-14:30 Coffee break

14:30-15:10 Emil Jagoutz (Max-Planck-Institut fuer Chemie, Germany)
24 years of isotopic investigations of Nakhla and his relatives

15:10-15:50 Mitsuru Ebihara (Tokyo Metropolitan University, Japan)
Concentration variations of platinum group elements in meteorites and their cosmochemical implications

15:50-16:00 Coffee break

16:00-17:00 Noboru Nakamura (Kobe University, Japan)
35 years of research on trace elements of meteorites

17:00-17:10 Business announcements (LOC)

A memorial party (March 2, 2006 18:30-20:30)

Place: SHINKOBE ORIENTAL HOTEL
1minute on foot from Shin-Kobe Bullet Train Station
Room: 10th floor, "The Ballroom"

Astrophysics session (March 3, 2006)

The third session: session chairperson Izumi Hachisu (University of Tokyo, Japan)

- 09:30-10:00 Anthony Whitworth (University of Wales, Cardiff, U.K.)
The formation of Brown Dwarfs
- 10:00-10:30 Dmitry Bisikalo (Russian Academy of Science, Russia)
Numerical modeling of the cold accretion discs in binaries
- 10:30-11:00 Coffee break
- 11:00-11:30 Henri Boffin (European Southern Observatory, Germany)
Cataclysmic variables and their discs
- 11:30-12:00 Izumi Hachisu (University of Tokyo, Japan)
A universal decline law of Nova light curves
- 12:00-13:30 Lunch break

The fourth session : session chairperson Henri Boffin (ESO, Germany)

- 13:30-14:00 Alistair Nelson (University of Wales, Cardiff, U.K.)
Galaxy simulations - Shocks and Warps
- 14:00-14:30 Keisuke Sawada (Tohoku University, Japan)
Aerospace CFD methods for numerical astrophysics
- 14:30-15:00 Eiji Shima (Kawasaki Heavy Industries LTD., Japan)
Recent CFD Algorithm for Aerospace
- 15:00-15:30 Coffee break

The fifth session : session chairperson Yoshitugu Nakagawa (Kobe University, Japan)

- 15:30-16:00 P. Williams (Shanghai Normal University, China)
Two Lagrangian methods in numerical astrophysics: SPH and SLW
- 16:00-17:00 Takuya Matsuda (Kobe University, Japan)**
The application of modified Direct Simulation Monte Carlo method to wind accretion and accretion discs
- 17:00-17:10 Closing remarks (LOC)

LOC members: Y.Imaeda, H.Koyama, T.Mukai, Y.Nakagawa, H.Nomura, T.Takeuchi,
K.Yamashita