

Misasa International Symposium & Exhibition 2012  
“Misasa IV: Solar System Exploration and New Geosciences—Perspective for  
the Next Decade”  
Kurayoshi, Tottori, 25-26 February 2012  
Sponsored by Okayama University, Tottori prefecture, and JAXA

## First circular and call for abstracts

### **ABOUT THE SYMPOSIUM:**

The Misasa IV is dedicated to give an opportunity to exchange information on space-, environmental-, and human-explorations including sample-return missions, and discuss their possible impacts through material approaches of geochemistry and geology. We also intend to exhibit recent achievements in the Hayabusa mission for public.

Since 1987, the Pheasant Memorial Laboratory (PML) in Institute for Study of the Earth's Interior (ISEI) has developed various analytical techniques to determine properties of materials such as elemental abundance and isotopic composition accurately and precisely. We have opened all these techniques and have led international collaborative researches. Our approach is of considerable scientific importance as underscored by the initial analysis of dusts collected by Hayabusa spacecraft. The approach is applicable to any materials to understand cosmosphere, geosphere, and biosphere.

In this symposium, we intend to connect experts from a broad range of earth/planetary and space sciences and to discuss future collaborating research in Misasa. Hopefully this symposium will enable all attendees to learn new things and perhaps view their own data/research in a wider context.

The exhibition is planned to coincide with the symposium. The highlights in the exhibition, that are open to the public, include a full-scale model of Hayabusa spacecraft, virtual FESEM operations, and meteorite collection.

The main themes of the symposium will include:

- Space missions: sample-return and planetary missions (Genesis, Stardust, Hayabusa, Hayabusa II, Akatsuki, BepiColombo, Messenger, and Selene II)
- Earth evolution and geosphere dynamics
- Geosphere-biosphere-humanosphere interactions

### **KEYNOTE SPEAKERS:**

- W. Gary Ernst (Stanford University)
- Karl-Heinz Glassmeier (IGEP/Technische Universität Braunschweig)
- Tatsuaki Hashimoto (ISAS/JAXA)
- Eiichiro Kokubo (National Astronomical Observatory of Japan)
- Kevin D. McKeegan (University of California, Los Angeles)
- Shigenori Maruyama (Tokyo Institute of Technology)
- Takafumi Matsui (PERC/Chitech)
- Masato Nakamura (ISAS/JAXA)

- Makoto Yoshikawa (ISAS/JAXA)

**REGISTRATION:**

A fee for registration and banquet, and travel support would be announced later. Please feel free to inquire [misasa4@itokawa.misasa.okayama-u.ac.jp](mailto:misasa4@itokawa.misasa.okayama-u.ac.jp) for detail of travel support.

**CALL FOR PRESENTATIONS:**

We plan that most presentations to be on posters as there is only a limited timeframe available. Please indicate when you submit your abstract whether your presentation is particularly suited to a poster format.

**SYMPOSIUM VENUE:**

The workshop will take place at Kurayoshi Mirai-Chushin (Dakyoji, Kurayoshi, Tottori 682-0816, Japan).

**WEBSITE:**

Please check for the newest information on the following website.

[http://sympo.misasa.okayama-u.ac.jp/misasa\\_iv/](http://sympo.misasa.okayama-u.ac.jp/misasa_iv/)

**SCHEDULES:**

- November 2011: first circular
- December 2011: second circular
- January 2012: abstract submission and online registration start
- February 15, 2012: abstract deadline (tentative)
- February 22, 2012: end of online registration (tentative)
- February 24–26, 2012: the symposium  
Kurayoshi Mirai Chushin  
Dakyoji, Kurayoshi, Tottori 682-0816, Japan

**ORGANIZING COMMITTEE:**

Eizo Nakamura, Akio Makishima, Takuya Moriguti, Katsura Kobayashi, Ryoji Tanaka, Tak Kunihiro, Tatsuki Tsujimori, Masaki Fujimoto (ISAS/JAXA), Tomoko Arai (PERC/Chitech)

**TENTATIVE PROGRAM:****February 24, Friday PM**

14:00 registration  
18:30 ice breaker party

**February 25, Saturday AM —Keynote lectures**

09:00 opening remark  
09:15 Kevin D. McKeegan  
10:15 W. Gary Ernst  
11:15 Akio Makishima  
  
12:00 lunch and poster session

**February 25, Saturday PM —Welcome back Hayabusa to Misasa**

13:00 opening remarks  
13:10 Takafumi Matsui  
14:00 Masato Nakamura  
14:40 Eizo Nakamura  
15:00 Makoto Yoshikawa  
16:00 Free talk and poster session

18:30 banquet

**February 26, Sunday AM**

09:00–10:30 Session I  
10:30 coffee break  
10:45–12:00 Session II  
12:00 lunch and poster Session

**February 26, Sunday PM**

14:00–15:30 Session III  
15:30 coffee break  
15:45–17:30 Session IV  
17:30 closing remark