

-----First Circular-----

CPS 9th International School of Planetary Sciences

Date: 24-29 June 2012

Venue: Seapal Suma, a casual seaside resort located in the west part of Kobe, Japan

Address: 1-1-1 Sumaura-dori, Suma, Kobe 654-0055 Japan

Phone: +81 78 731 6815 / Fax: +81 78 734 1896

Japanese site:

<http://www.seapalsuma.com/>

English site:

[http://web.travel.rakuten.co.jp/portal/my/info\\_page\\_e.Eng?f\\_no=13907&f\\_ptn1=&f\\_teikei=](http://web.travel.rakuten.co.jp/portal/my/info_page_e.Eng?f_no=13907&f_ptn1=&f_teikei=)

Objective and Scope:

The objective of the school is to promote education and research in planetary sciences for highly motivated graduate students and young researchers by providing them with an opportunity to interact with leading scientists in a specific field. Note that the term “Planetary Sciences” is used in a broader sense to include astronomy, astrophysics, astrochemistry, astrobiology, astromineralogy, geosciences, space science, cosmology, and other related fields.

Topic of the coming school:

Across the Earth into Exoplanets

Recent wonderful discovery of exoplanets requires us to rethink the earth and generalize our understandings of the planet. For the sake of doing so, we should first absorb up-to-date knowledge about the structure of the earth from the deep interior to the surface and dynamics producing various geological and geophysical phenomena. We could then apply the knowledge to various conditions of planets such as the early earth, the other planets in the solar system, and exoplanets. This application enables us to better understand the coevolution of a solid planet’s interior and its surface in terms of a search for a habitable exoplanet.

Lectures:

Internationally well-established experts in various fields will review recent progress in our understandings of those fields. The lecturers and their topics (tentative) are listed below:

- David J. Stevenson: Theoretical overview of structure and dynamics of the Earth:

its particularity and universality

- Shun-ichiro Karato: Earth mantle dynamics from planetary perspective
- Francis Nimmo: Evolution of rocky and icy planets in the solar system
- Philippe Lognonné: Planetary seismology and geophysics
- Taku Tsuchiya: High pressure physics of the Earth and beyond
- Diana Valencia: Earth-like exoplanets: predictions and observations
- TBD: Coupled evolution of the interior and surface environment of the Earth and planets
- TBD: Earth and planetary magnetism

All the lectures are to be video-recorded and to be available to the public through the CPS website. Lecture materials are to be uploaded by each lecturer in PDF format to the CPS server by 30 June 2012 so that they could be viewed on the same website.

Who are the target participants?

- PhD students, postdocs, and young research/academic staff who have a good command of English
- This school is not intended for bachelor, diploma, and master's students

How to apply?

The application for participation in the school is currently open for submission. An abstract of one page A4 size should be uploaded to the CPS server for evaluation. To fill out the application form and to upload the abstract, please go to the following webpage for registration:

[https://www.cps-jp.org/signup/pschool9?ml\\_lang=en](https://www.cps-jp.org/signup/pschool9?ml_lang=en)

First, create your CPS account at this page.

Then, go to CPS website <https://www.cps-jp.org/> and login with your CPS User ID you have registered.

Click “CPS 9th International School of Planetary Sciences” at the right column and start registration.

- Registration and abstract submission must be completed by 15 February 2012
- To apply for the CPS travel grant, both the application form (incl. of an abstract) and the letter of recommendation must reach us by 07 February 2012

How are participants selected and who makes the final decision?

- SOC will evaluate the level and suitability of applicant's works and interests to the school
- The school chair will make the final decision and applicants are notified accordingly

Need a travel grant?

- Indicate your intention in the application form
- Do arrange a letter of recommendation and send it by email to us <pschool-9rgst @ cps-jp.org>; the letter has to reach us no later than 07 February 2012
- Successful applicants are obliged to present a poster in the poster session and to contribute in archiving lecture materials
- Note that the available funds are limited and the grant may not cover ALL of your expenses
- The final decision for travel grant application and the amount will be at the LOC's discretion
- The deadline for travel grant application is 07 February 2012

#### Short Talk and Poster Presentation:

- If you wish to present a poster, do indicate your intention upon registration.
- Successful applicants for registration will be given 1 minute, without discussion time, each for a short oral presentation of the poster. Please upload your slide file for the 1-minute talk by 06 June 2012.
- The short talks are video-recorded and open to the public through the CPS website.
- Your poster PDF file should be uploaded to the CPS server by 10 July 2012.

#### Registration Fee:

10,000 JPY.

#### Accommodation:

##### Participants:

- 4 persons share one traditional Japanese-style tatami room
- The room charge is 47,000 JPY per person
- The room has a toilet but no bathtub and shower
- Ocean view public bath is located at the top floor and it is open until 23:00 daily

##### Lecturers:

- Western style twin rooms with a shower are available for single use
- The room charge is 62,000 JPY per person
- Please let us know should you prefer to stay in a Japanese-style room

#### Access:

Please refer to

<https://www.cps-jp.org/~pschool/pub/2012-06-24/index.html>

Important Dates:

All deadline times are 23:59 Japanese Standard Time, UTC+9

07 February 2012 Travel Grant Application Deadline

15 February 2012 Registration Application Deadline

15 February 2012 Abstract Submission Deadline

29 February 2012 Result Notification

06 June 2012 Short Talk Slide File Upload Deadline

24-29 June 2012 CPS Int'l Sch. of Planet. Sci.

10 July 2012 Poster PDF File Upload Deadline

Science Organizing Committee:

\*Kei Kurita (The University of Tokyo)

Yoshi-Yuki Hayashi (CPS)

Masahiro Ikoma (Tokyo Institute of Technology)

Jun Kimura (CPS)

Naoki Kobayashi (ISAS/JAXA)

Kiyoshi Kuramoto (CPS/Hokkaido University)

Takashi Nakagawa (JAMSTEC)

Local Organizing Committee:

(\*School chair, \*\*Secretary)

Kei Kurita\* (The University of Tokyo)

Yoshitsugu Nakagawa (CPS)

Yoshi-Yuki Hayashi (CPS)

Hiroshi Kimura (CPS)

Ko-ichiro Sugiyama (CPS)

Yoshiyuki O. Takahashi (CPS)

Seiya Nishizawa (CPS)

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Ayako Suzuki (CPS)

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Mariko Hirano\*\* (CPS)

Mire Murakami\*\* (CPS)

Yukiko Tsutsumino\*\* (CPS)

Contact us:

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Center for Planetary Science

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