

## Final Circular

CPS 9th International School of Planetary Sciences

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

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\\_teik  
ei=](http://web.travel.rakuten.co.jp/portal/my/info_page_e.Eng?f_no=13907&f_ptn1=&f_teik<br/>ei=)

### 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.

Attached below is the program of the school. The schedule may change without notice.

Please visit our official school website for the detailed and updated program:

Abstract:

- Abstract for all lectures and poster presentations is now ready to download at [https://www.cps-jp.org/~pschool/pub/2012-06-24/doc/pschool9\\_booklet.pdf](https://www.cps-jp.org/~pschool/pub/2012-06-24/doc/pschool9_booklet.pdf)

Short Talk and Poster Presentation:

- Participants who put up a poster will be given 1-minute each for a short oral presentation of the poster (without discussion time) at the beginning of poster sessions (25-26 June).

- Please prepare 1-page slide (pdf file) for this talk and upload it. Go to the CPS Web page, where you have uploaded your abstract, then click "edit", a pencil-like icon, and replace your abstract with your 1-page slide (Please do not change "Basic/Author/Institution Information"). The deadline for slide uploading is 6 June.

Unless you upload your slide by 6 June, your abstract file will be projected on the screen during your 1-minute talk.

- All posters will be on display from Sunday (24 June) to Thursday (28 June).

- The size of a poster should not exceed 900 mm W x 2100 mm H.

Registration Fee For All Participants and Lecturers:

10,000 JPY is to be paid by CASH ONLY. Please pay at the registration desk upon arrival.

Accommodation:

Participants:

- 4 persons share one traditional Japanese-style tatami room

- The room has a toilet but no bathtub and shower

- An ocean-view public bath located at the top floor is available until 23:00 daily

Lecturers:

- Western style twin rooms with a shower are reserved for single use

- Please let us know should you prefer to stay in a Japanese-style room

Rates per person in Japanese Yen

Standard, 4 in 1 room Single Use

47,000 62,000\*

\*Reserved for Lecturers

- The rate includes 13 meals during your stay in Seapal Suma
- Please make a payment at the hotel front desk upon arrival
- Payment can be made by cash or credit cards (visa, master, amex, diners, and JCB)

Excursion:

- Half-day excursion will be organized on Wednesday afternoon for all the participants as well as the lecturers to join.
- Note that the registration fee, 10,000 JPY, does not include any excursion expenses as well as the dinner on Wednesday.

Access

Please refer to the following link

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

Electrical Adapter Plug And Electric Converter Information for participants joining from Overseas

Fortunately, many portable devices today -- from computers to mobile phones -- come with power supplies that can be used in almost any part of the world. However, you may need a plug adaptor.

In Japan, we use a flat blade attachment plug.

<http://electricaloutlet.org/type-a>

Please make sure you bring along a correct adaptor, as we do not provide adaptors, neither the hotel does. As the school venue is located quite a distance from city area, there are no places you could buy adaptors or convertors.

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

## PROGRAM

Sunday 24 June

1500-1800 Registration

1800-1900 Opening Reception

1900-2030 Dinner

Monday 25 June

0730-0845 Breakfast

0845-0900 Opening Keynote: Yoshitsugu Nakagawa (CPS, Japan)

0900-1015, 1045-1200

Lecture I: David J. Stevenson (California institute of Technology, USA)

Theoretical overview of structure and dynamics of the Earth: its particularity and universality

1230-1330 Lunch

1400-1515, 1545-1700

Lecture II: Taku Tsuchiya (Ehime Univ., Japan)

High pressure physics of the Earth and beyond

1800-1900 Dinner

1900-2100 Poster session 1 with short talks (Poster presenter who allotted an odd number)

Tuesday 26 June

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture III: Shun-ichiro Karato (Yale Univ., USA)

Earth mantle dynamics from planetary perspective

1230-1330 Lunch

1400-1515, 1545-1700

Lecture IV: Philippe Lognonné (Institut de Physique du Globe de Paris, France)

Planetary seismology and geophysics

1800-1900 Dinner

1900-2100 Poster session 2 with short talks (Poster presenter who allotted an even number)

Wednesday 27 June

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture V: Francis Nimmo (Univ. of Santa Cruz, USA)

Evolution of rocky and icy planets in the solar system

1230-1330 Lunch

1330-1800 Excursion

Thursday 28 June

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture VI: Yasuhito Sekine (The Univ. of Tokyo, Japan)

Coupled evolution of the interior and surface environment of the Earth and planets

1230-1330 Lunch

1400-1515, 1545-1700

Lecture VII: Diana Valencia (Massachusetts Institute of Technology)

Earth-like exoplanets: predictions and observations

1800-2100 Banquet

Friday 29 June

0730-0900 Breakfast

End of the school