

## アジア学術セミナー/第八回CPS 国際プラネタリスクールのご案内

CPS(惑星科学研究センター)では、2011年9月26日から10月1日の日程で

Challenges in Astronomy: Observational Advances

を開催します。現在、参加受付中です。

詳細はこちら

<https://www.cps-jp.org/~pschool/pub/2011-09-26/index.html>

- ・ 原則、全日程参加(会場ホテルに宿泊)をお願いします。
- ・ 若手(博士(後期)課程の院生からポスドクレベル)の方々に、自分の研究費をお持ちでない方々)には、限られた予算ではありますが、旅費支援枠を用意しています。  
支援を受けた若手の皆さんには、ポスター発表、ならびに、スクール運営協力(講義記録の作成と講演資料収集、スクール終了後の資料整理)をお願いしております。
- ・ 参加応募締切り(推薦書も必要です)  
旅費支援希望する参加者 5月10日  
旅費支援を希望しない参加者 5月18日

応募はこちらから

[https://www.cps-jp.org/signup/pschool8?ml\\_lang=en](https://www.cps-jp.org/signup/pschool8?ml_lang=en)

推薦書はこちらへ

[pschool-8rgst@cps-jp.org](mailto:pschool-8rgst@cps-jp.org)

お問い合わせ

E-mail: [pschool-8info@cps-jp.org](mailto:pschool-8info@cps-jp.org)

Center for Planetary Science

Second Circular - REGISTRATION IS NOW OPEN-

---A Message from the Seminar/School Chair, Prof. Hiroshi Shibai---

The disaster caused by the huge earthquake and tsunami of 11 March is now being overcome with extraordinary efforts by Japanese people as well as through international cooperation initiated by many countries. The problem of the six nuclear reactors is being addressed, though not quickly but through a step-by-step approach. The reactors are cooled with plenty of water in order to restrain nuclear reactions. The emanation of radioactive materials is still a severe problem. The Japanese government and the owner of the crippled nuclear power plants, the Tokyo Electric Power Company, are devoting their efforts to stop these leaks.

Fortunately, our Seminar/School has not been affected at all by these problems. The conference place in Awaji Island and KAMIOKANDE as well as Osaka University and CPS are located in the western part of Japan, while the nuclear reactors hit by the earthquake and tsunami are located in the north-eastern part. The distance between the conference location and the nuclear reactors is approximately 800 km, which is too great to be affected by radioactive material. The electric power of our area has remained stable, since we have a different electrical system in the western part of Japan. Therefore, we have had neither damage nor other adverse effects due to this disaster.

Given these circumstances, we hope that many foreign and Japanese participants will come to join this seminar/school with no apprehension. If we do have any changes in the environment that may affect the program, then we will inform all of you immediately.

-----

Joint Assembly:

JSPS-DST Asia Academic Seminar  
CPS 8th International School of Planetary Sciences

Date: 26 September - 1 October 2011

1-3 October 2011 for a facility tour [only for a limited number of participants]

Venue: Minami-Awaji Royal Hotel

Address: 317 Fukurahei, Minamiawaji, Hyogo 656-0503, Japan

Phone: +81 799 52 3011

Fax: +81 799 52 3770

Japanese site: <http://www.daiwaresort.co.jp/awaji/index.html>

English site: [http://www.daiwaresort.co.jp/english/20\\_awaji.html](http://www.daiwaresort.co.jp/english/20_awaji.html)

[Facility tour from Awaji]

Planned location: Kamioka Observatory

Japanese site: <http://www-sk.icrr.u-tokyo.ac.jp/>

English site: <http://www-sk.icrr.u-tokyo.ac.jp/index-e.html>

#### OBJECTIVE AND SCOPE:

The objective of the school/seminar 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.

The eighth school is jointly held with the Asian Academic Seminar hosted by JSPS, Japan, and DST, India, for providing Asian young researchers with intensive training in areas of Astronomy and Space Science. The seminars comprise lectures by experts in the subject fields, discussions, practical training, study visits and other components.

Topic of the coming school:

Challenges in Astronomy: Observational Advances

The main part of the school will be a series of lectures on 'Recent and Future Advances in Observational Astronomy.' The observational part of astronomy has revealed various, important phenomena in the Universe collaborating with theoretical works, and advancing fronts in well-established parts, e.g., optical-infrared, radio, high-energy radiations. Furthermore, the gravitational wave is expected to be detected in near future, and the advancement of "virtual observatory" would enable astronomers to conduct multi-wavelength data-intensive research, as the 4th paradigm in astronomy. Young astronomers are expected to learn about world-wide trend for constructing a wider and concrete base of their own research.

#### PROGRAM

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:

<https://www.cps-jp.org/~pschool/pub/2011-09-26/index.html>

#### 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?

Please go to the following webpage for registration:

[https://www.cps-jp.org/signup/pschool8?ml\\_lang=en](https://www.cps-jp.org/signup/pschool8?ml_lang=en)

Note that your abstract, A4 size one page, in pdf format, has to be uploaded upon registration.

First, create your CPS account at this page, unless you already have an account.

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

You will see "JSPS-DST Asia Academic Seminar/CPS 8th International School of Planetary Sciences" at the right column. Click there and go to "Participation Register/View" or "Presentation Register/View" to start registration or abstract uploading.

---Things to note when you fill in the registration form---

1. Poster Presentation: If you are applying CPS travel grant, choose 'yes', otherwise, you will not be considered as a grant applicant.
2. Reference: This field is for participants only. Input the name, title, and affiliation of a person who will give us a letter of recommendation.
3. Departing City: The name of the city where you are departing from, usually where your institution is.
4. Date of entry to Japan/Date of departure from Japan: For those who are coming from outside of Japan, please indicate your planned date for entry/departure to and from Japan. For those coming within Japan, please key in the date of your scheduled departure to and from Minamiawaji.
5. Do you need a visa to Japan?: Follow this link to check if you need an entry visa to Japan [http://www.mofa.go.jp/j\\_info/visit/visa/](http://www.mofa.go.jp/j_info/visit/visa/).

- Registration and abstract submission must be completed by **18 May 2011**
- Should you wish to apply for our travel grant, both the application form (incl. of an abstract) and the letter of recommendation must reach us by **10 May 2011**

#### HOW ARE PARTICIPANTS SELECTED AND WHO MAKES THE FINAL DECISION?

- SOC will evaluate the level and suitability of applicant's works 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-8rgst@cps-jp.org>; the letter has to reach us no later than **10 May 2011**
- 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 **10 May 2011**

#### SHORT TALK AND POSTER PRESENTATION:

- Should you wish to present your 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 short talk slide file by **14 September 2011**.

- Short talks and poster presentations are video-recorded and to be open to public through the CPS website.
- Your poster PDF file should be uploaded to the CPS server by **12 October 2011**.

REGISTRATION FEE:

10,000JPY. Please pay at the seminar/school registration desk when you register BY CASH.

ACCOMMODATION:

Participants:

- 3 persons share one Western/Japanese style room equipped with a bathroom

Lecturers:

- Western style rooms with a bathroom are available for single use

Rates per person in Japanese Yen

Standard, 3 in 1 room ; 47,000

Single Use ; 62,000, reserved for Lecturers

Access:

Please refer to the following link

<https://www.cps-jp.org/~pschool/pub/2011-09-26/index.html>

Important Dates:

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

11 April 2011	First Day for Registration Application
10 May 2011	Travel Grant Application Deadline
18 May 2011	Registration Application Deadline
18 May 2011	Abstract Submission Deadline
31 May 2011	Result Notification
14 September 2011	Short Talk Slide File Upload Deadline
26 September 2011	JSPS-DST Asia Acad. Seminar/CPS Int'l Sch. of Planet. Sci.
12 October 2011	Poster PDF File Upload Deadline

PROGRAM

Monday 26 September

1500-1800 Registration

1800-2100 Opening Reception

Tuesday 27 September

0730-0845 Breakfast

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

0900-1015, 1045-1200

Lecture I: Sebastian Wolf (Univ. of Kiel, Germany)

The Birthplace of Planets : Observations and Modeling of Circumstellar Disks

1230-1330 Lunch

1400-1515, 1545-1700

Lecture II: David Bennett (Univ. Notre Dame, USA)

Detection of Extrasolar Planets by Gravitational Microlensing from the Ground and Space

1800-1900 Dinner

1900-2100 Poster

Wednesday 28 September

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture III: Annapurni Subramaniam (IIA, India)

Probing the Geography, History, and Chemistry of Nearby Galaxies with Future Telescopes

1230-1330 Lunch

1400-1515, 1545-1700

Lecture IV: Ajit Kembhavi (IUCAA, India)

Virtual Observatories: Tools and Applications

Lecture IV: Masatoshi Ohishi (NAOJ, Japan)

Data Discovery in and Science Results by means of VOs

1800-1900 Dinner

1900-2100 Poster

Thursday 29 September

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture V: Jayaram Chengalur (NCRA/TIFR, India)

Atomic Hydrogen in the Universe

1230-1330 Lunch

1400-1800 Excursion

1800-1900 Dinner

1900-2100 Free Discussions

Friday 30 September

0730-0900 Breakfast

0900-1015, 1045-1200

Lecture VI: Hideyo Kunieda (Nagoya Univ., Japan)

Violent Universe Explored by Japanese X-ray Satellites

1230-1330 Lunch

1400-1515, 1545-1700

Lecture VII: Nobuyuki Kanda (Osaka City Univ., Japan)

Frontier of Gravitational Wave Astronomy - Opening New Window of Astrophysics and  
Cosmology -

lecture 1 : Fundamentals of Gravitational Wave and its Detection

lecture 2 : Physics, Astrophysics and Cosmology with Gravitational Waves

1800-2100 Banquet

Saturday 1 October

0730-0900 Breakfast

Facility Tour to Kamioka Observatory, for a limited number of participants only