

Third Circular

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 52 370

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

English site: 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 seminar/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.

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 a world-wide trend for constructing a wider and concrete base of their own research.

Lectures:

Internationally well-established experts in various fields will review recent progress in our understandings of those fields. A Tentative program with lecturers is listed below:

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-a: Ajit Kembhavi (IUCAA, India)

Virtual Observatories: Tools and Applications

Lecture IV-b: 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

Abstract

- Abstract for all lectures and poster presentations is now ready to download at

https://www.cps-jp.org/~pschool/pub/2011-09-26/doc/pschool8_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 (27-28 September).
- 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. The deadline for slide uploading is 14 September.
- All posters will be on display from Monday (26 Sep) to Friday (30 Sep).
- The size of a poster should not exceed 900 mm W x 2100 mm H.

Video Shooting and Material Posting on the Web:

We will shoot a video during your lecture and short talks at the poster presentation. Your lecture materials and presentation materials (i.e., PDF files, movie files of power point, and lecture scenes as streaming videos) will be posted on CPS's WEB pages, which are open to the public.

The purpose is to promote education of young generations. This is the most important mission at CPS. Please sign the permission form upon registration unless you disagree with our mission policy.

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 Single Use

47,000 62,000*

*Reserved for Lecturers

Access

Please refer to

<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

Scientific Organizing Committee:

Hiroshi Shibai (Osaka Univ., Japan)

Rajaram Nityananda (TIFR, India)

Ajit Kembhavi (IUCAA, India)

Yoshi-Yuki Hayashi (CPS, Japan)

Local Organizing Committee:

(*School chair, **Secretary)

Hiroshi Shibai * (Osaka Univ., Japan)

Misato Fukagawa (Osaka Univ., Japan)

Yuki Itoh** (Osaka Univ., Japan)

Yoshitsugu Nakagawa (CPS, Japan)

Yoshi-Yuki Hayashi (CPS, Japan)

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Contact us:

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Center for Planetary Science

Funds:

The school is sponsored by Japan Society for the Promotion of Science (JSPS), Indian Department of Science and Technology (DST), and Center for Planetary Science (CPS) under the MEXT Global COE Program: "Foundation of International Center for Planetary Science", a joint project between Kobe University and Hokkaido University.