

Day 2 (July 14 Sat) @ NAOJ-Mitaka

Win-Win relation between Research and Education (1)

9:00 9:10 B01 "*Global Cosmology Teacher Education Academy*", Smoot
(overNet 10min)

HOU around the world

9:10 9:20 B02 "*Japan*", Handa (10min)
9:20 9:30 B03 "*USA*", Pennypacker (10min)
9:30 9:45 B04 "*China*", Guo
9:45 10:00 B05 "*Kenya*", Murabana
10:00 10:15 B06 "*Morocco*", Darhmaoui
10:15 10:30 B07 "*Northern Ireland*", Hill

10:30 10:40 **coffee break** (10min)

10:40 11:05 B08 "*EU and Spain/Italy/Greece*", Ferlet (25min)
11:05 11:20 B09 "*Portugal*", Doran
11:20 11:35 B10 "*Poland*", Ogloza
11:35 11:50 B11 "*Russia*", Guseva
11:50 12:00 B12 "*Status Report Germany - Recent developments at the TU Munich*",
Kratzer (10min)

12:00 13:45 **Lunch**

Win-Win relation between Research and Education (2)

13:45 14:00 C01 "*Learning Computer Simulation with an MDGRAPE Accelerator
Card*", Narumi
14:00 14:15 C02 "*COREA Project - Cosmic Ray Research and Education Array
Project in Korea*", Yang
14:15 14:30 C03 "*Outstanding activity of Japanese Amateur Astronomer*", Yamaoka

14:30 14:45 **coffee break**

Resources and Networks

14:45	15:00	C05	" <i>Ironwood Remote Observatory (Mobile Unit)</i> ", Archer K.
15:00	15:15	C06	" <i>Complete Automatic Observation for Middle School Education</i> ", Guo
15:15	15:30	C07	" <i>Constellation Camera</i> ", Satoh T.
15:30	15:45	C08	" <i>The great potential of a little webcam</i> ", Ogloza
15:45	16:00	C09	" <i>Stars above Arizona seen from Europe</i> ", Ogloza
16:00	16:15		coffee break
16:15	16:30	C10	" <i>Development of a Galaxy HI observation system for the 8m radio telescope at Misato Observatory</i> ", Sato N.
16:30	16:45	C11	" <i>Pakistan Telescope Network for the Astronomical Observations</i> ", Butt
16:45	17:00	C12	" <i>What Students Can Learn With The Hand-made Radio Telescope</i> ", Nonaka
17:00	17:15		coffee break

Training Session (1)

17:15	18:00	C13	" <i>International Asteroid Search Campaign: Internet-Based Asteroid Search Program for High Schools & Colleges</i> ", Miller+Devis (45min)
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Day 3 (July 15 Sun) @ NAOJ-Mitaka

Education using science research data

9:00	9:15	D01	" <i>Authentic Data in the Classroom with the Sloan Digital Sky Survey</i> ", Raddick (overNet)
9:15	9:30	D02	" <i>Activities of PAOFITS Working Group</i> ", Furusho
9:30	9:45	D03	" <i>Process HST Archival Images with Subaru Image Processor</i> ", Hoette
9:45	10:00	D04	" <i>Education and Popularization of Astronomical Spectroscopy</i> ", Kawabata
10:00	10:15	D05	" <i>Using JAXA's Space Science Data for Education and Public Outreach</i> ", Ebisawa
10:15	10:30	D06	" <i>Science as a culture, and an introduction to new PUR experiments in Japan</i> ", Agata
10:30	10:45		coffee break

Outreach beyond the horizon (1)

10:45	11:00	D07	" <i>Activities in Nishi-Harima Astronomical Observatory</i> ", Sakamoto M.
11:00	11:15	D08	" <i>The Tenpla Project</i> ", Takanashi
11:15	11:30	D09	" <i>Outreach activities by the Tenpla project</i> ", Kamegai
11:30	11:45	D10	" <i>The Utilization of Astronomy Communication for Science Communication in Japan</i> ", Sato Y.
11:45	12:00	D11	" <i>Making Afterschool program for the Elementary School - Creating Linkages and Expanding Partnerships -</i> ", Kimura
12:00	13:30		Lunch

Outreach beyond the horizon (2)

13:30	13:45	E01	" <i>Science Live Show UNIVERSE - history and overview</i> ", Ogino
13:45	14:00	E02	" <i>Science Live Show UNIVERSE - management and development</i> ", Matsuura
14:00	14:15	E03	" <i>Interstellar spaceship simulator for astronomical education and communications</i> ", Nomoto
14:15	14:30	E04	" <i>Softwares to expand "UNIVERSE liveshow" -- Raytrace simulation & Wakusei-gurugru (exsoplanet simulator) --</i> ", Koike
14:30	14:45	E05	" <i>Planet dynamics simulator NoA (Newton's Apple)</i> ", Koishi
14:45	15:00		coffee break

Histories and Cultures

15:00	15:15	E06	" <i>Astronomy in Sub-Saharan Africa</i> ", Oluseyi
15:15	15:30	E07	" <i>Japanese contributions in modern astronomy</i> ", Tanikawa
15:30	15:45	E08	" <i>The Treasures of Pulkovo Observatory</i> ", Tsiopa
15:45	16:00	E09	" <i>Pluto and dwarf planets; astronomical hot summer in 2006</i> ", Arimoto

Training Session (2)

16:00	16:15	E10	" <i>SalsaJ VI</i> ", Melchior (overNet)
16:15	17:00	E11	" <i>SalsaJ - Astronomical software for your classroom (workshop)</i> ", Cabral (45min)

Conference Dinner

19:00	21:00	at Suijin-en	
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Day 4 (July 16 Mon/holiday) @ NAOJ-Mitaka

Junior Session		chair K.Nonaka
9:00	9:10	F01b " <i>Activities of Astronomy and Meteorology Club</i> ", Ino et al. (Koshigoe-Kita HS)
9:10	9:20	F02b " <i>Laboratory simulation for some characteristics of asteroid(25143) Itokawa</i> ", Shimura (Seikei HS)
9:20	9:40	F03a " <i>Models of the shapes of three selected minor planets</i> ", Fjii et al. (Kokura HS)
9:40	9:50	F04b " <i>Photometric observation of the cataclysmic variable star IP Peg</i> ", Goto & Terada (Rakuto HS)
9:50	10:00	F05b " <i>Spectrum of stars observed with Bisei astronomical observatory and self-made fiber type spectroscopy</i> ", Kunitomo et al. (Okayama Shodai Fuzoku HS)
10:00	10:10	coffee break
10:10	10:20	F06b " <i>The H alpha radial velocities of an arch filament system in solar emerging flux region</i> ", Kawahara (Rakuto HS)
10:20	10:30	F07b " <i>Spectral analysis of Saturn</i> ", Shinozaki et al. (Keio HS)
10:30	10:50	F08a " <i>In order to know our Galaxy --Presentation of Data and Method for Measuring the Spin velocity of the Galaxy</i> ", Miyagi & Kawaguchi (Hyogo Kenritsu Univ. Fuzoku HS)
10:50	11:00	F09b " <i>Observation of the Sun with the Smallest Radio Telescope in the World</i> ", Osawa (Sugamo HS)
poster session		
11:00	12:00	free discussion in front of poster presentations
12:00	13:30	Lunch

Education standard and curriculum

13:30	13:45	G01	" <i>An Activity using Images of the Jupiter Project</i> ", Matsumoto N.
13:45	14:00	G02	" <i>Hands-On Universe and the California Science Standards</i> ", Amarant
14:00	14:15	G03	" <i>Development of activity in International Collaboration and possibilities for High school students and Teachers</i> ", McCarron
14:15	14:30	G04	" <i>Curriculum Integration of HOU in Bellevue, Washinton 5th Grade School Room</i> ", Pennypacker
14:30	14:45	G05	" <i>Curriculum development in Northern Ireland and possibilities for HOU</i> ", Hill
14:45	15:00	G06	" <i>Astronomical works with students</i> ", Guseva
15:00	15:15	G07	" <i>Astrophysics Workshops in Thailand</i> ", Rujopakarn
15:15	15:30		coffee break

GHOU Platforms and Outreach (2)

16:30	16:40	G08	" <i>The Universe: Yours to Discover -- The International Year of Astronomy 2009</i> ", Russo (10min, overNet)
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Remote Telescope networks for education and research

15:40	16:10	G09	" <i>Education activities and the Faulkes Telescopes</i> ", Roberts S. (30min)
16:10	16:40	G10	" <i>Las Cumbres Observatory Global Telescope Network: Keeping Education in the Dark</i> ", Ross (30min)
16:40	16:55		coffee break

Training Session (3)

16:55	17:40	G11	" <i>Remotely operated Telescopes practical session</i> ", (45min; TBA in detail)
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Day 5 (July 17 Tue) @ Science Museum Tokyo

Greeting

10:00 10:05 H00 "*Welcome to Science Museum Tokyo*", Yamada (a board of SMT)
(5min)

Outreach beyond the horizon (3)

10:05 10:45 H01 "*A science liveshow UNIVERSE, which will go beyond the horizon*" Handa (40min)

10:45 11:00 H02 "*UNIVERSE liveshow in Yerkes*", Hoette

Tools for education and outreach

11:00 11:15 H03 "*Software tools for astronomical education*", Takahei

11:15 11:30 H04 "*ReKOS is a platform for digital contents*", Kawai

11:30 12:00 H05 **discussion** "*How to use these new tools at school*" (30min)

12:00 13:00 **Lunch**

Training Session (4)

13:00 14:30 H06 "*Instruction to use SolarSystemSimulator and Makalii*", Kimura
(90min)

Closing session

14:30 14:45 H07 "*Acknowledgements and next GHOU*", Pennypacker+Handa

Walking tours in Tokyo: start from SMT

15:00 start from **Science Museum, Tokyo** (TBA in detail)

Day 6 (July 18 Wed) start from NAOJ-Mitaka

One day excursion

Gunma Astronomical Observatory and Mt. Haruna

Poster presentations @ NAOJ-Mitaka

- P01 "*THE HUBBLE TUNING FORK - CLASSIFICATION of Subaru Telescope*", Hata
- P02 "*Transit Mercury from the Earth and Satellites, IAU and Kepler's Law*", Ohnishi
- P03 "*Spectroscopic Observation of Earth Shine*", Suzuki
- P04 "*Event : Discover the International Space Station!*", Kosuge
- P05 "*Make an Unique Telescope of Your Own and Expore The Universe*", Hanaoka
- P06 "*The Report of an astronomical education volanteer group OUKADO*", Arimoto
- P07 "*Global Collaborations: Learning about Each Other and Working Together* ",
Thurber
- P08 "*Teaching Materials Using ReKOS*", Chikami
- P09 "*Education for Handicapped Children Using Computer and Network*", Chikami
- P10 "*Astronomy Day April 2007 at the Deutsches Museum*", Gloeggler