

ICOA-7 Second Circular

I. The Conference

Date

September 6 (Mon) – September 10 (Fri), 2010

Venue

Large Seminar Room in the Mitaka Campus of
National Astronomical Observatory of Japan (NAOJ, *Kokuritsu Tenmondai*),
Osawa 2-21-1, Mitaka, Tokyo, Japan.

Registration time

September 6 (Mon), 9:00 – 10:30AM

LOC contact

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Conference Timetable

(This is only intended to give an overall plan. As for exact times, refer to the program below).

Time	Sept. 6 (Mon)	Sept. 7 (Tue)	Sept. 8 (Wed)	Sept. 9 (Thu)	Sept. 10 (Fri)
8:30AM					Bus tour to
9:00AM	Registration				Nobeyama &
9:30AM	Registration	Session D	Session H	Session K	Suwa
10:00AM	Registration	Session D	Session H	Session K	↓
10:30AM	break	break	break	break	↓
11:00AM	Session A	Session E	Session I	Session L	↓
11:30AM	Session A	Session E	Session I	Session L	↓
0:00PM	Lunch	Lunch	Lunch	Lunch	↓
0:30PM	Lunch	Lunch	Lunch	Lunch	↓
1:00PM	Lunch	Lunch	Lunch	Lunch	↓
1:30PM	Session B	Session F	Session J	Session M	↓
2:00PM	Session B	Session F	Session J	Session M	↓
2:30PM	Session B	Session F	Session J	Session M	↓
3:00PM	Session B	Session F	Session J	Session M	↓
3:30PM	Tea	Tea	Tea	Tea	↓
4:00PM	Session C	Session G	NAOJ tour	Session N	↓
4:30PM	Session C	Session G	NAOJ tour	Session N	↓
5:00PM	Session C	Session G	NAOJ tour	Summary	↓
5:30PM			Welcome Party		↓
6:00PM			↓		↓

Paper Presentation

Each oral presenter is requested to use the software Power Point (PPT) and carry his/her file in a USB memory or CD-ROM (Participants who want to use other equipment should contact LOC).

Poster presentation

Space: 1.1m(W) × 1.6m(H)

For better understanding, SOC/LOC recommends each presenter to prepare a PPT handout print, and then LOC can make copies for the audience.

Conference Program

Session A – H (Pre-modern times)

Session I – N (Modern times & Other recent research)

Invited talk: 40min + 10minQ&A, Oral talk: 20min + 5minQ&A

Oral Papers

September 6 (Mon):

<Session A> [Chair: Ôhashi, Y.]

10:45 – 11:35AM, VAHIA, Mayank (Invited)

Megaliths in India and their possible relation to astronomy

11:35 – 12:00AM, MENON, Srikumar M. and VAHIA, Mayank N.

Megalithic astronomy in South India

0:00 – 1:30PM

Lunch

<Session B> [Chair: Nakamura, T.]

1:30 – 2:20PM, MAEDER, Stefan (Invited)

The archaeology of the "Big Dipper" -- Some recent findings from Japan and Europe

2:20 – 2:45PM, HARIAWANG, Irma I., SIMATUPANG, Ferry M. and RADIMAN, Iratius

Orientation of Borobudur's East Gate measured against sunrise position during vernal equinox

2:45 – 3:10PM, YANG, Hong-Jin, CHOI, Go Eun, MIHN, Byeong-Hee and AHN, Young Sook

Analysis of Korean stone star chart using 3D scan measurement

3:10 – 3:35PM, RENSHAW, Steven L.

Prospects for scholarship in the archaeoastronomy and cultural astronomy of Japan:

Interdisciplinary perspectives

3:30 – 4:00PM

Tea Time

<Session C> [Chair: Ansari, R.]

4:00 – 4:50PM, TAJIMA, Toshiyuki (Invited)

National Astronomical Observatory of Japan and the postwar Japanese optical astronomy

4:50 – 5:15PM, JUN, Yong Hoon

Western astrology introduced in nineteenth-century Korea

5:15 – 5:40PM, HOSOI, Hiroshi

Theories about cosmic structure in ancient and medieval Japan

September 7 (Tue):

<Session D> [Chair: Orchiston, W.]

9:20–9:45AM, SARMA, U K V

Planetary models as expounded by Bhāskara in his commentary on *Āryabhaṭīya*

9:45–10:10AM, LEE, Eun Hee and AHN, Young Sook

Tenmon bunya nozu of Sibukawa Harumi and star maps of Joseon

10:10–10:35AM, AHN, Sang-Hyeon

Drawing method of the Korean Star-Chart, Chonsang-Yolcha-Punya-Ji-Do

10:35–10:45AM

Tea Time

<Session E> [Chair: Orchiston/Nakamura]

10:45–11:35AM, NHA, Il-Seong and NHA, Sarah L. (Invited)

A classification of timekeeping instruments in East-Asian countries and inventory of significant relics prior to pendulum clocks

11:35–12:00AM, TANIKAWA, Kiyotaka and SÔMA, Mitsuru

How were eclipses memorized when there were no astronomers?

0:00–1:30PM

Lunch

<Session F> [Chair: Débarbat, S.]

1:30–2:20PM, ANSARI, S.M. Razaillah (Invited)

A survey of Arabic-Persian sources on astrolabe extant in India and on the Indian school of astrolabe-makers

2:20–2:45PM, KIM, Sang Hyuk and LEE, Yong Sam

An analysis on the operation mechanism and restoration of Song I-Yeong's armillary clock

2:45–3:10PM, LEE, Yong Bok

Production and application of Ganpyeongui during Joseon Dynasty

3:10–3:35PM, ÔHASHI, Yukio

Two systems of Indian astronomy

3:30–4:00PM

Tea Time

<Session G> [Chair: Sôma, M.]

4:00–4:50PM, QU, Anjing (Invited)

Planetary theory in China

4:50–5:15PM, NAKAYAMA, Shigeru

The merit and demerit of geometrical representation in the history of Chinese calendrical science

5:15–5:40PM, LI, Liang, LU, Lingfeng and SHI, Yunli

The accuracy of the eclipse calculation of the Huihuilifa

September 8 (Wed):

<Session H> [Chair: Soonthornthum, B.]

9:20–9:45AM, SÔMA, Mitsuru

Investigation of the Earth's rotation using ancient Chinese occultation records

9:45–10:10AM, AKBARI, Marjan and AKHLAGHI, Mohammad

Little known astronomer in the late Islamic period; a study of Qāsim-Ālī Al-Qāyīnī's manuscripts

10:10–10:35AM, JOCHI, Shigeru

The movement of observation center in the eastern Han Dynasty, China

10:35–10:45AM

Tea Time

<Session I> [Chair: Vahia, M.]

10:45–11:35AM, EHGAMBERDIEV, Shuhrat (Invited)

Emergence of modern astronomy and astrophysics in Uzbekistan

11:35–12:00AM, STROM, Richard, ZHAO, Fuyuan and ZHANG, Chengmin

Could Oriental annals have recorded optically-bright γ -ray bursts?

0:00–1:30PM

Lunch

<Session J> [Chair: Egamberdiev, S.]

1:30–2:20PM, HAYASHI, Masahiko (Invited)

Nobeyama radio observatory and the history of radio astronomy in Japan

2:20–2:45PM, SAIJO, Keiichi

The transition of characteristics in Japanese celestial globes of Edo era from the collection of National Museum of Nature and Science

2:45–3:10PM, HIRAI, Masanori and FUJIWARA, Tomoko

Two bronzed planispheres preserved in England since 1878 and Japan since 1683

3:10–3:35PM, NAM, Moon-Hyon, HAHN, Young-Ho, SEO, Moon-Hwo and LEE, Jai-Hyo

A restoration of 15th century Korean king Sejong's striking Clepsydra at National Palace Museum of Korea

3:30–4:00PM

Tea Time

<NAOJ Campus Tour and Welcome Party>

4:00–5:30PM

NAOJ Campus Tour

5:30–8:00PM,

Welcome Party at Cafeteria

September 9 (Thu):

<Session K> [Chair: Strom, R.]

9:20–9:45AM, DÉBARBAT, Suzanne

A peculiar manuscript from Delisle's jesuit correspondence

9:45–10:10AM, NAKAMURA, Tsuko

A lunar map *Taiin-no-Zu* depicted in 1813 by a Japanese Feudal Warlord

10:10–10:35AM, spare

10:35–10:45AM

Tea Time

<Session L> [Chair: Jochi, S.]

10:45–11:35AM, MATSUURA, Kiyoshi (Invited)

Star Mandaras, as visual images in which Buddhism coexists with astronomy or astrology

11:35–12:00AM, LEE, Ki-Won, AHN, Young Sook, MIHN, Byeong-Hee and KIM, Bong-Gyu

Incheon Meteorological Observatory and Comet Herschel-Rigollet

0:00–1:30PM

Lunch

<Session M> [Chair: Nha, I.]

1:30–2:20PM, SOONTHORNTHUM, Boonrucksar (Invited)

The emergence of astronomy in Thailand

2:20–2:45PM, HIDAYAT, Bambang

The sky and the Agro-Bio-Climatology of Java: Need critical reevaluation due to environmental changes

2:45–3:10PM, YOSHIDA, Seiko

The flying Hirayama: Escape from asteroid families

3:10–3:35PM, spare

3:30–4:00PM

Tea Time

<Session N> [Chair: Hidayat, B.]

4:00–4:50PM, ORCHISTON, Wayne and WENDT, Harry (Invited)

The contribution of the ex-Georges heights experimental radar antenna to Australian radio astronomy

4:50–5:15PM, STEWART, Ron, GEORGE, Martin, ORCHISTON, Wayne and SLEE Bruce

A retrospective view of Australian solar radio astronomy. 2: 1960-1985

5:15–5:40PM,

Summary (STROM, Richard)

September 10 (Fri):

<One-day Bus Tour to Nobeyama & Suwa>

8:30AM, Departure of Tour bus

Poster Papers (Sept. 6 – 9)

1. MAEDER, Stefan
The Sword, the Snake & the Turtle - Three constellations from pre-modern China?
2. OH, Gilsun
Replications of ancient star maps by a computer
3. NARIKE, Tetsuro
Guo Mo-ruo and Babylonian astronomy: The origin of the Chinese Twelve-Branch
4. OZAWA, Kenji
Discovery of degrees in Ancient China
5. YOKOO, Hiromitsu
Accuracy of north-south orientation by the Indian-circle method of a gnomon and the use of the recorded ancient orientations
6. ÔHASHI, Yukio
Mathematical astronomy of SEKI Takakazu and SHIBUKAWA Harumi --- Understanding and overcoming the Chinese traditional calendars in the Edo Period of Japan
7. ÔHASHI, Yukio
Astronomy and mathematics of Yixing
8. EHGAMBERDIEV, Shuhrat
Ulugh Beg's catalogue of stars and al-Sufi's sky map
9. VAHIA, Bambang, YADAV, Nisha and MENON, Srikumar
Foundations of Harappan Astronomy
10. LEE, Yong Bok and AHN, Young-sook
Analysis of solar eclipses records in Samguksagi
11. KIM, Sang Hyuk, LEE, Yong Sam and LEE, Min Soo
An analysis on the operation mechanism and 3D restoration of Ongnu in Sejong Era
12. OKAZAKI, Akira and TANOKURA, Mizuho
An examination of astronomical records in Vietnamese historical source
13. CHOI, Go-Eun, KIM, Dong Bin, LEE, Yong Bok, AHN, Young Sook and LEE, Yong Sam
A study of Korean Astronomical Almanacs for the period of 1864 – 1945
14. ANDROPOULOS, Jenny, ORCHISTON, Wayne and CLARK, Barry
Williamstown Observatory and the development of professional Astronomy in Australia
15. COTTAM, Stella, ORCHISTON, Wayne and STEPHENSON, Richard
The 1882 transit of Venus and the popularisation of astronomy through the pages of the New York Times
16. HAFEZ, Ihsan, STEPHENSON, Richard and ORCHISTON, Wayne
Al-Sufi's investigation of stars, star clusters and nebulae
17. ORCHISTON, Wayne and LUCIUK, Michael
Ronald McIntosh and the role of the amateur in New Zealand meteor astronomy
18. ORCHISTON, Wayne and PEARSON, John
The Lick Observatory and the development of professional astronomy in Western Australia
19. ORCHISTON, Wayne and PEARSON, John
The Lick Observatory and the development of solar astronomy in India

20. ORCHISTON, Wayne, DUERBECK, Hilmar W. and TENN, Joseph S.
Filling a void: The life and times of the Journal of Astronomical History and Heritage
21. ORCHISTON, Wayne, DUERBECK, Hilmar, GLASS, Ian, MALVILLE, Kim, MARSDEN, Brian, SIMONIA, Irakli, SLEE, Bruce, STEPHENSON, Richard, STROM, Richard, WHITTINGHAM, Ian and WIELEBINSKI, Richard
History of astronomy at James Cook University, Australia
22. PEARSON, John and ORCHISTON, Wayne
The Lick Observatory and the development of professional astronomy in Indonesia
23. SAUTER, Jefferson, SIMONIA, Irakli, STEPHENSON, Richard and ORCHISTON, Wayne
The legendary fourth century Georgian total solar eclipse: fact or fantasy?
24. WELLS, Bill and ORCHISTON, Wayne
Early scientific astronomy on the American Northwest Coast: Captain Cook's Sojourn at Nootka Sound in 1778

II. Accommodations, Travel and Others

Narita Limousine Bus Timetable to and from Chofu

<Narita → Chofu>

Narita Terminal-2	07:40	09:20	10:50	14:40	16:20	17:20	18:50	21:15
Narita Terminal-1(South wing)	07:45	09:25	10:55	14:45	16:25	17:25	18:55	21:20
Narita Terminal-1(North wing)	07:50	09:30	11:00	14:50	16:30	17:30	19:00	21:25
Chofu Station	09:40	11:20	12:50	16:35	18:25	19:20	20:50	22:55

<Chofu → Narita>

Chofu Station	05:30	06:30	07:30	11:10	12:50	14:10	17:50	19:50
Narita Terminal-2	07:05	08:25	09:35	13:05	14:35	15:55	19:45	21:25
Narita Terminal-1	07:10	08:30	09:40	13:10	14:40	16:00	19:50	21:30

It takes 90-130 minutes, depending on the traffic.

You can find Airport Limousine Bus information desk and ticket vending machines just outside of the arrival customs gate at Narita International Airport.

See also the site: <http://optik2.mtk.nao.ac.jp/~somamt/ICOA-website/HowToCome.html> for how to get to NAOJ, hotels at Musashi-sakai station and the location of the conference room.

Miscellaneous

People who will stay at Cosmos Kaikan on Sept. 5 (Sun) should receive a room key from a guard at the main entrance gate of NAOJ.

--- So, we look forward to seeing you all soon at Mitaka.
Have a nice trip!, Yilu Ping-an!, Gute Reise! and Bon Voyage!