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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omit the first “0” from the above numbers)
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Conference Timetable
(This is only intended to give an overall plan. As for exact times, refer to the program below).

<table>
<thead>
<tr>
<th>Time</th>
<th>Sept. 6 (Mon)</th>
<th>Sept. 7 (Tue)</th>
<th>Sept. 8 (Wed)</th>
<th>Sept. 9 (Thu)</th>
<th>Sept. 10 (Fri)</th>
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<tr>
<td>8:30AM</td>
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<td>Bus tour to</td>
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<tr>
<td>9:00AM</td>
<td>Registration</td>
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<td>Nobeyama &amp;</td>
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<tr>
<td>9:30AM</td>
<td>Registration</td>
<td>Session D</td>
<td>Session H</td>
<td>Session K</td>
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<td>10:00AM</td>
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<td>Session A</td>
<td>Session E</td>
<td>Session I</td>
<td>Session L</td>
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<td>Session A</td>
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<td>4:00PM</td>
<td>Session C</td>
<td>Session G</td>
<td>NAOJ tour</td>
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<td>4:30PM</td>
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<td>NAOJ tour</td>
<td>Session N</td>
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<td>5:00PM</td>
<td>Session C</td>
<td>Session G</td>
<td>NAOJ tour</td>
<td>Summary</td>
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<td>Welcome Party</td>
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<td>6:00PM</td>
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**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 – 9:45 AM, SÔMA, Mitsuru
Investigation of the Earth’s rotation using ancient Chinese occultation records

9:45 – 10:10 AM, AKBARI, Marjan and AKHLAGHI, Mohammad
Little known astronomer in the late Islamic period: a study of Qāsim ʿAlī Al-Qāyini’s manuscripts

10:10 – 10:35 AM, JOCHI, Shigeru
The movement of observation center in the eastern Han Dynasty, China

10:35 – 10:45 AM
Tea Time

Session I  [Chair: Vahia, M.]

10:45 – 11:35 AM, EHGAMBERDIEV, Shuhrat (Invited)
Emergence of modern astronomy and astrophysics in Uzbekistan

11:35 – 12:00 AM, STROM, Richard, ZHAO, Fuyuan and ZHANG, Chengmin
Could Oriental annals have recorded optically-bright γ-ray bursts?

0:00 – 1:30 PM
Lunch

Session J  [Chair: Egamberdiev, S.]

1:30 – 2:20 PM, HAYASHI, Masahiko (Invited)
Nobeyama radio observatory and the history of radio astronomy in Japan

2:20 – 2:45 PM, 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 – 3:10 PM, HIRAI, Masanori and FUJWARA, Tomoko
Two bronzed planispheres preserved in England since 1878 and Japan since 1683

3:10 – 3:35 PM, 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 – 4:00 PM
Tea Time

Session J

NAOJ Campus Tour and Welcome Party

4:00 – 5:30 PM
NAOJ Campus Tour

5:30 – 8:00 PM,
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 Hiyayama: 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, Gil-sun
   Replications of ancient star maps by a computer
3. NARIKÉ, 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>

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<th>07:40</th>
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<th>16:20</th>
<th>17:20</th>
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<td>Narita Terminal-1(North wing)</td>
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<Chofu → Narita>

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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](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!