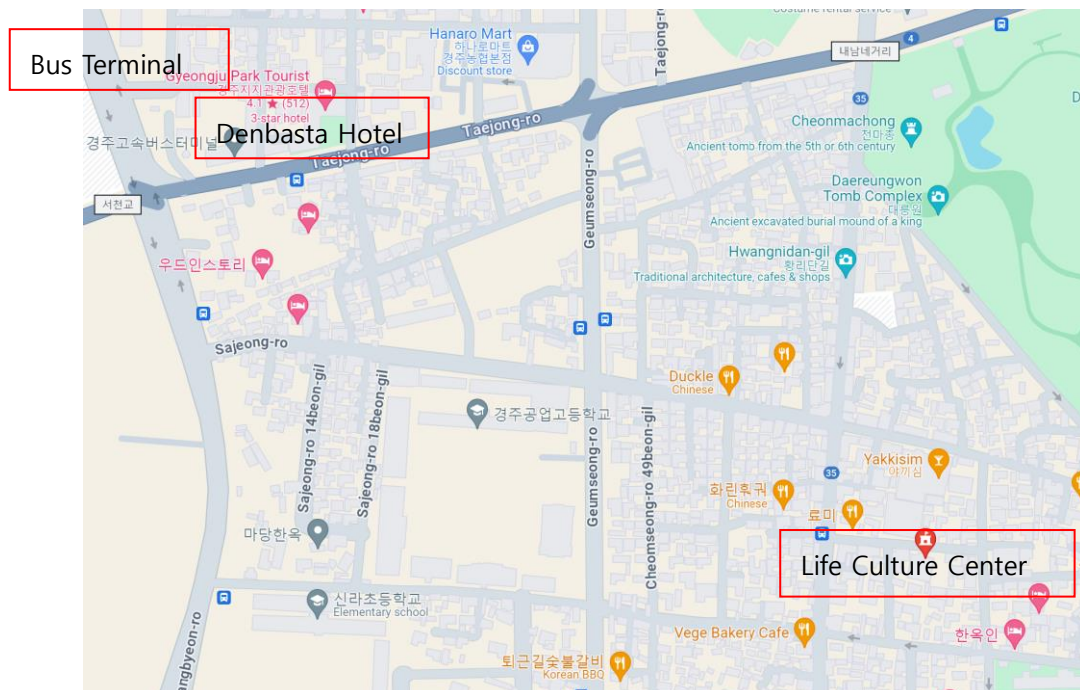


# 2024 International Symposium on History of Astronomy



- **Date:** July 10-11, 2024 (Wednesday-Thursday)
- **Venue:** Hwangridan-gil Life Culture Center, Gyeongju, Republic of Korea

(Hotel : Denbasta Heritage Hotel Gyeongju)



## ■ Contents

- **International Conference on History of Astronomy**
  - Presentations and discussions on the recent studies in history of astronomy
  - Discussion on international cooperation in historical astronomy
- **Astronomy of Silla (57BC-AD935) & 7C Astronomical Observatory (in Korean)**
  - Talks on the scientific and cultural heritage values of Cheomseongdae
  - Discussion on utilization strategies for Cheomseongdae as scientific and cultural content

## □ Program

\* 9<sup>th</sup> July : 18-20 KST

- **Welcome dinner & Field Tour to Cheomseongdae (Observatory, 633 CE)**

10 <sup>th</sup> July	내용	비고
<b>[Session 1] Historical Astronomy</b> (Chair: Hong-Jin Yang / KASI)		
09:20 - 09:30	Opening Remark	Yong Bok Lee (SohNam)
09:30 - 10:00	Historical Astronomy in Korea: Selected Topics	Changbom Park (KIAS)
10:00 - 10:30	In Pursuit of the Earliest China: Taosi Observatory and Latest Progress for Chinese Archaeoastronomy	Li Geng (NAOC)
10:30 - 11:00	Sunrise and Sunset Times in the Japanese Official Calendar in the Meiji Era	Mitsuru Soma (NAOJ)
Tea break		
11:20 - 11:50	Three unique reference stars for Visakha Nakshatra are utilized for the alignment of Thai sacred temples	Orapin Riyaprao (NARIT)
11:50 - 12:20	Traditional Māori Calendars and Climate Change	Pauline Harris (Massey U.)
<b>[VIP 차담] 13:20-13:50 (추진단 주관)</b>		<b>Group photo &amp; Lunch</b>

**[Session 2: Korean] 신라 천문과 첨성대** (사회 : 박성진 연구관 / 국가유산청)

**Astronomy of Silla(57BC-AD935) & 7C Astronomical Observatory**

14:00 - 14:10	내외빈 소개 / 영상 (Introduction)	
14:10 - 14:15	개 회 사 (opening address)	국가유산청
14:15 - 14:20	환 영 사 (welcome address)	경주시
14:20 - 14:25	축 사 (congratulatory address)	한국천문연구원
<b>Group photo-1</b>		
14:30 - 15:00	국가 유산으로서 첨성대의 가치와 인식의 변화	차순철 (서라벌문화유산연구원)
15:00 - 15:30	신라천문과 첨성대: 과학문화콘텐츠 활용	양홍진 (한국천문연구원)
15:30 - 16:00	신라 왕경 천문 콘텐츠 활용을 위한 첨성대의 역할	박임관 (경주문화원장)
16:00 - 17:30	<b>종합토론 [좌장 박창범 교수]</b> 주보돈(경북대), 박명구(경북대), 이용복(소남연구소), 이형목(서울대)	참석자 전원
<b>Dinner &amp; Star Party (7-9 PM) @ Cheomseongdae</b>		

11 <sup>th</sup> July	내용	비고
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**[Session 3] Calendar and historical observation** (Chair: Mitsuru Soma / NAOJ)

09:00 - 09:30	Daily Logs for the Korean Historical Comets of 18C	Hong-Jin Yang (KASI)
09:30 - 10:00	The long-term solar variability, as reconstructed from historical sources	Hisashi Hayakawa (Nagoya U.)
10:00 - 10:30	Re-examination of the astronomical aspects and Gregorian date of the Banteay Srei Inscription (K.842)	Cherdsak Saelee (CMU)

Tea break

10:50 - 11:20	Four methods for calculating solar and lunar eclipses and Chongxiu-Daming Calendar	Go-Eun Choi (CBNU)
11:20 - 11:50	$\Delta T$ values at the middle first century determined by solar eclipses	Kiyotaka Tanikawa (NAOJ)
11:50 - 12:20	Method to predict the lunar position in the celestial sphere with the Shixianli (時憲曆)	Seung-Urn Choe (SNU)

**Group Photo-2 & Lunch**

**[Session 3: Korean ] Korean Historical Astronomy** (사회 : 남경욱 연구관)

13:40 - 14:10	[Invited] Study on Spherical Coordinates in the Joseon Dynasty	Yong Bok Lee (SohNam)
14:10 - 14:30	Quantitative Analysis of Comet Observation Records in 18th Century "Seongbyeon Cheukhu Danja"	Hyojun Lee (KASI/UST)
14:30 - 14:50	Traditional Rites and Astronomy - Between the Perspective of Ritual System's Concepts and Symbolic Forms -	Hyun-Joo Ji (PNU)
14:50 - 15:10	On National Scientific Heritage - Focused on Astronomy -	Yong Soon Shin (NSM)

Tea break

15:30 – 15:50	Cheomseongdae with Sundial	Dong-Ho Kim (Mento Science)
15:50 – 16:10	The Analysis and Design of Observational Tools Used in the Nam Byeong-cheol's Armillary Sphere	Hong Soon Choi (KASI/CBNU)
16:10 - 16:30	Seoul Science Center Exhibition Linkage Program 'Star-Shaped Paper Sundial' Production and Educational Use	Bo-Ram Yu (SSC)
16:30 – 16:50	Study on the Usage of Spherical Sundials in Late Joseon Dynasty - Focusing on Sang Jik-hyeon (1849~?)'s Wongu-Ilyeong -	Sang Hyuk Kim (KASI)
16:50 – 17:10	Study on the Orbit of the White Star in 1652 - Based on Astronomical Records of the Joseon Dynasty -	Byeong-Hee, Mihn (KASI)
17:10 – 17:20	Closing Remark	

**Group photo-3 & Closing**