

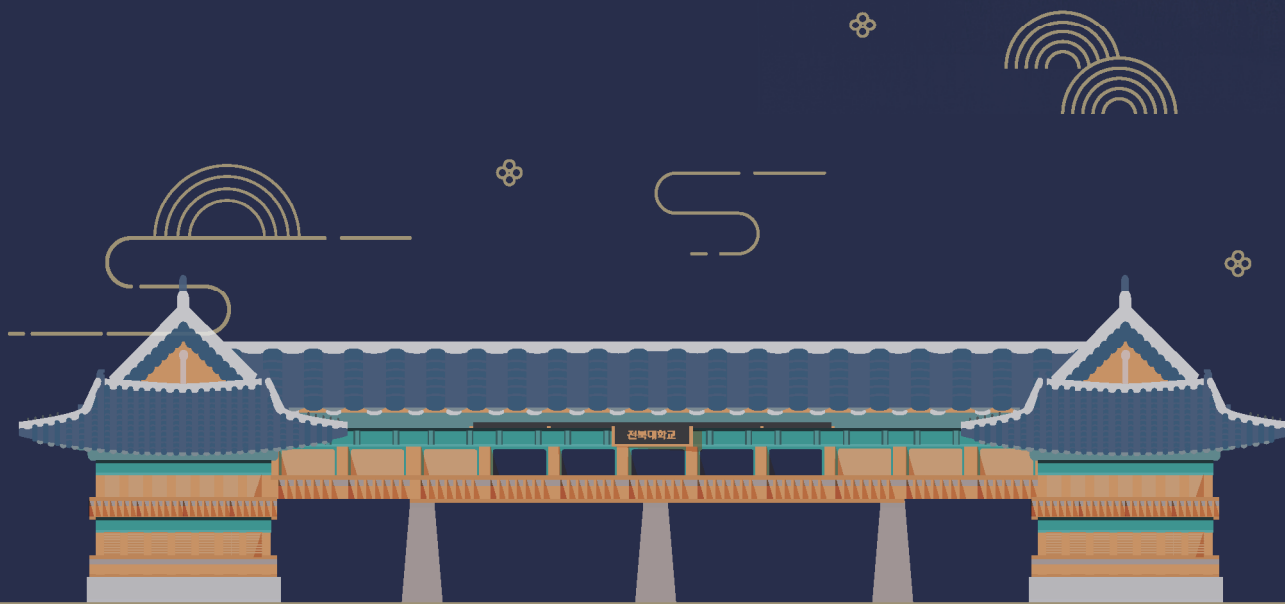
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ICHSEA 2019

15TH INTERNATIONAL CONFERENCE
ON THE HISTORY OF SCIENCE IN EAST ASIA

PROGRAM BOOK

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY
JEONJU, REPUBLIC OF KOREA



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Mireuksaji (彌勒寺址) Historical Site



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Conference Venue Overview



▲ Chonbuk National University



▲ Jinsudang



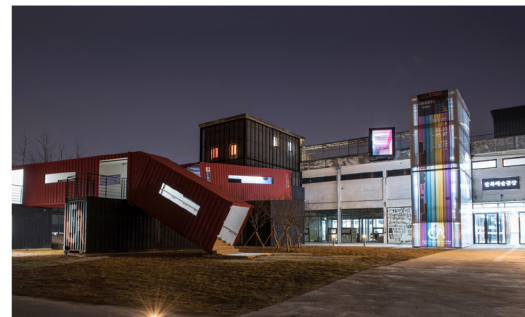
▲ Chonbuk National University Natural History Museum



▲ Moon Hoe Roo(文會樓) in CBNU

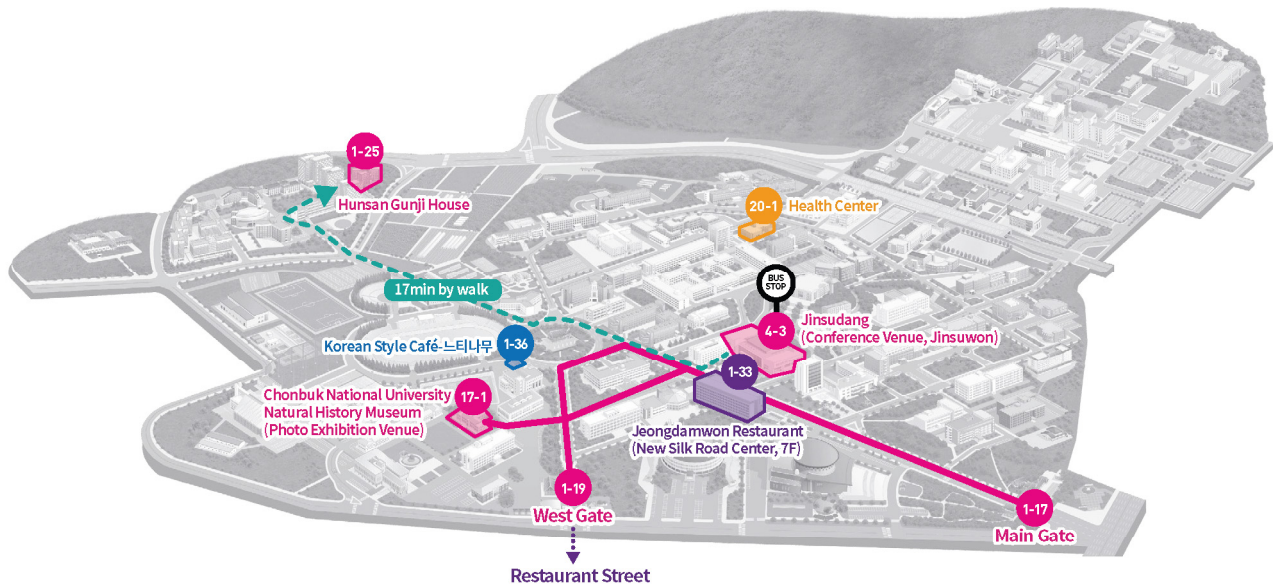


▲ Chonbuk National University



▲ Factory of Contemporary Arts in Palbok

Campus Guide Map



Main Buildings		Restaurants		Café & Convenience Store	
1-17	Main Gate				
1-19	West Gate				
1-25	Hunsan Gunji House				
4-3	Jinsudang (Conference Venue, Jinsuwon)	1-33	Jeongdamwon Restaurant – Price : 7,000won (New Silk Road Center, 7F)	1-36	Korean Style Café-트티나무
		4-3	Jinsuwon Restaurant – Price : 5,000won (Jinsudang, 2F)	4-3	Café (Jinsudang, 1F)
17-1	Chonbuk National University Natural History Museum (Photo Exhibition Venue)	Restaurant Street	There are many restaurants across the street – Price : 8,000won~20,000won (Korean, Italian, Japanese, Chinese, Bar)	4-3	Convenience Store (Jinsudang, 1F)

*** Health Center (in Chonbuk National University)**

TEL +82-63-270-3522 / Open: 09:30-17:00

*** Hunsan Gunji House**

TEL +82-63-219-6000, 063-219-6061

*** Ramada Jeonju Hotel**

TEL +82-63-711-9000

*** LOC Representative (in Emergencies)**

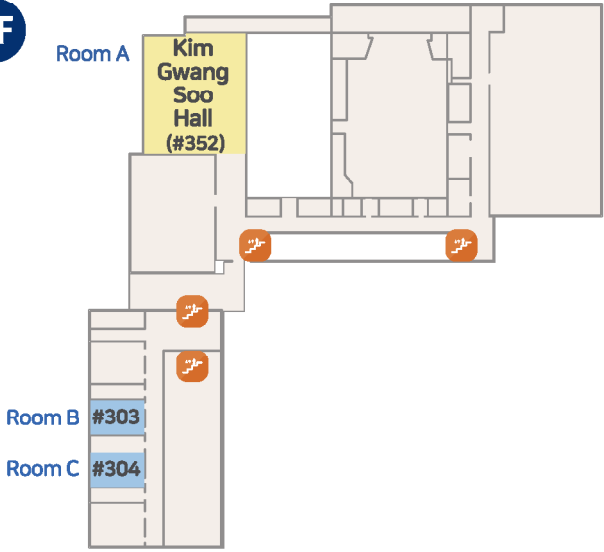
Prof. Tae-Ho Kim

TEL +82-10-2272-5592



Floor Plan

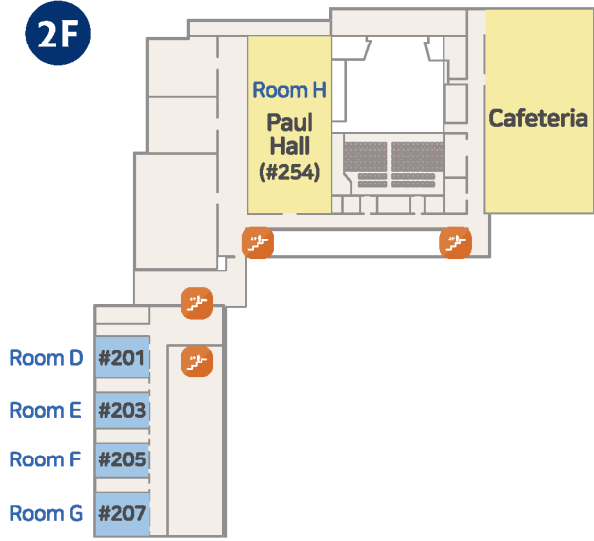
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AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

Program at a Glance

Aug. 19(Mon)								
Time	Room A (Kim Gwang Soo Hall (#352))	Room B (#303)	Room C (#304)	Room D (#201)	Room E (#203)	Room F (#205)	Room G (#207)	Chonbuk National University Natural History Museum
09:00-10:20	Opening Ceremony & Plenary Lecture I (Gain Hall (1F)) <i>"Polycentric East Asia": From the Perspectives of Traditional Historiography and "Science and Empires" / Togo TSUKAHARA (Kobe University)</i>							
10:20-10:30	Tea Break							
10:30-12:20	MoA1	MoB1	MoC1		MoE1	MoF1	MoG1	
	Books, Materials, and The History of Medical Knowledge	Negotiating Productivity for Multi-species: Asian Seascapes in Transitions in The Anthropocene	The Diversity of Mathematical Practices in East Asia, and Their Historiography (I)		Environmental Science, Conservation Movement, and US Collaboration in Cold War South Korea	Mobility and Countermobility of Diseases	Food, Technology, and Society (I)	
12:20-13:50	Lunch							
13:50-15:40	MoA2	MoB2	MoC2		MoE2	MoF2	MoG2	MoJ2
	Innovations in Korean Medicine	Formal Approaches to Studies of Traditional Maps of East Asia (I)	The Diversity of Mathematical Practices in East Asia, and Their Historiography (II)		Knowledge Exchange and Practice of Chinese Modern Physics (I)	East Asian Women and Medicine, Science and Engineering (I)	Food, Technology, and Society (II)	Contemporary Arts as a Field of Experimentation in Scientific and Technological Culture: The Possibility of Photographic Documentation as a Path toward Knowledge Construction
15:40-16:00	Tea Break							
16:00-17:50	MoA3	MoB3	MoC3	MoD3	MoE3	MoF3	MoG3	
	History of Traditional Korean Medicine in Korea with Focus on Modern History: Harmony in Diversity (和而不同)	Formal Approaches to Studies of Traditional Maps of East Asia (II)	The Diversity of Mathematical Practices in East Asia, and Their Historiography (III)	Big Data of Medical Knowledge in The Past and in The Present: From <i>Uibangyuchwi</i> to CDSS (Clinical Decision Support System)	Knowledge Exchange and Practice of Chinese Modern Physics (II)	East Asian Women and Medicine, Science and Engineering (II)	Food, Technology, and Society (III)	
17:50-18:00	Break							
18:00-20:00	Reception & Keynote Speech (Gain Hall (1F)) <i>"Physicians of Korean Medicine and Their Scholarly Activities during the Modern and Contemporary Period in Korea" / Namil KIM (Kyung Hee University)</i>							



Aug. 20(Tue)							
Time	Room A (Kim Gwang Soo Hall (#352))	Room B (#303)	Room C (#304)	Room D (#201)	Room E (#203)	Room F (#205)	Room G (#207)
	TuA1	TuB1	TuC1	TuD1	TuE1	TuF1	TuG1
09:00-11:00	Making Sense of Non-sensical World	Religion and Science: Adaptation of Western Astronomy into East Asia in The 16th-19th Centuries	A Comparative Study of Science and Technology in The Four Asian Tigers	East Asian Scientific Community: Late Imperial to Cold War, 1930s-1970s	Human and Environment: Understanding, Interaction, and Representation	Materials of Medicine(s)	History of Science and the World History
11:00-11:20	Tea Break						
11:20-12:20	Plenary Lecture II (Gain Hall (1F)) <i>"Uniformity and Diversity of Agricultural Machines in East Asia"</i> / Baichun ZHANG (Chinese Academy of Sciences)						
12:20-13:40	Lunch						
	TuA2	TuB2	TuC2	TuD2	TuE2	TuF2	TuG2
13:40-15:40	Body and Mind in Wartime: Historical Perspectives from Japan and China	East Asian Natural Study in Diagrams	Science, Technology, and Medicine in Industrialized Asia	Exchanges of Technological Knowledge, Practice, and Artefacts (I)	History of East Asian Medicines (I): Text, Material, Practice and Nation	Traveling Medical Knowledge and Artefacts	Grafting Science: Examples from The History of Agricultural Knowledge in China
15:40-16:00	Break						
	TuA3	TuB3	TuC3	TuD3	TuE3	TuF3	TuG3
16:00-18:00	Chemical and Nuclear Crossings: People, Health, and Safety in Japan	Historical Astronomy	Rethinking The Occult and The Empirical in Early Modern East Asian Healing Practices	Exchanges of Technological Knowledge, Practice, and Artefacts (II)	Mathematics in East, Southeast, and South Asia: Issues of Comparisons and Transmissions	Medicine and Hygiene in Social Contexts	The Mongols' Role and Contributions in The Global History of Distilled Liquors
18:30-20:30	Graduate Student Night (Gain Hall (1F))						

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Aug. 21(Wed)						
Time	Room A (Kim Gwang Soo Hall (#352))	Room B (#303)	Room C (#304)	Room D (#201)	Room E (#203)	Room F (#205)
	WeA1	WeB1	WeC1	WeD1	WeE1	WeF1
09:00- 11:00	Toward A Comparative History of Tuberculosis Control in East Asia	Western Learning in East Asia: Changing Historiographies	Shaping Landscapes in 20th Century East Asia: Theory, Data, Expertise and The Rationalization of Infrastructure	History of East Asian Medicines (II): Technique, Image and Trans-national Discourses	Wetem Science(s) in China	Workshop: Getting Your First Book Published
11:00- 11:20	Tea Break					
11:20- 12:20	Plenary Lecture III (Gain Hall (1F)) <i>"Some Reflections on Needham's Intellectual Heritage"</i> / Jianjun MEI (The Needham Research Institute)					
12:20- 13:20	Lunch					
13:00- 18:00	Tours (Optional)					

How to See the Oral Session Codes				
Day of Week	Room	Session Time	-	Presentation No.
Mo	A	1		1
Tu	B	2		2
We	C	3		3
Th	...			4
Fr	H			5

(ex) MoA1-1: 1st Session, 1st Presentation of 1st Session at Room A on Monday



Aug. 22(Thu)									
Time	Room A (Kim Gwang Soo Hall (#352))	Room B (#303)	Room C (#304)	Room D (#201)	Room E (#203)	Room F (#205)	Room G (#207)	Room H (Paul Hall (254))	Room I (Gain Hall (1F))
	ThA1	ThB1	ThC1	ThD1	ThE1	ThF1	ThG1		ThI1
09:00- 11:00	Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (I) Part 1. The Heaven (天)	Transcultural Materia Medica: The Entanglement of Pharmaceutical Knowledge and Matters in The East Asian World, 1780s-1940s	The Circulation of Astronomical Knowledge among Ancient Korea, Japan and China	Beyond The Vaccination of East Asia: Ideal and Reality	The Body and Divination in Chinese History	Diverse and Trans-local History of East Asian Medicines	Pedagogy of Nuclear Technology: Cold War Civilizing Missions and Their Consequences in Asia		Similitude and Difference: A Comparative Study of Transmission and Interpretation of Medical Traditions
11:00- 11:20	Tea Break								
11:20- 12:20	Plenary Lecture IV (Gain Hall (1F)) <i>"Bian Que Dissatisfied - Current Debate over Key Issues of Chinese Medicine History"</i> / Jianmin LI (Academia Sinica)								
12:20- 14:00	Lunch								
	ThA2	ThB2	ThC2	ThD2		ThF2	ThG2		ThI2
14:00- 15:40	Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (II) Part 2. The Earth (地)	Coming to Terms with the Western Science: three East Asian Nations	Science and Society in Late Imperial and Republican China (I)	Populations, Demographic Sciences and The Japanese Nation-State-Empire		Cartographic Encounter: Korean Maps Meet Western Maps	Workshop: Meet the Editors from International Journals on HEASTM		A Historical Overview of Traditional Medicine Education in Asian Countries
15:40- 16:00	Tea Break								
	ThA3	ThB3	ThC3	ThD3	ThE3	ThF3	ThG3	ThH3	ThI3
16:00- 18:00	Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (III) Part 3. Human (人)	Technology as a System: Cases from Modern Japan and Korea	Science and Society in Late Imperial and Republican China (II)	Guns, Arms, and Steel in East Asia	Meteorological Knowledges and Practices in Premodern and Modern East Asia	Medicine and Society in the Japanese Empire	Diversity of Mathematics in East Asia	Materiality of Scientific and Technological Knowledge	The 731 Unit: Unfinished Tasks in East Asian Medical History and Medical Ethics

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Aug. 23(Fri)									
Time	Room A (Kim Gwang Soo Hall (#352))	Room B (#303)	Room C (#304)	Room D (#201)	Room E (#203)	Room F (#205)	Room G (#207)	Room H (Paul Hall (254))	Room I (Gain Hall (1F))
09:00-10:00	Plenary Lecture V (Gain Hall (1F)) <i>"Technology Transfer against the Flow: Learning from China in the British-Indian Tea Industry, 1839-1890"</i> / Francesca BRAY (University of Edinburgh)								
10:00-10:20	Tea Break								
10:20-12:20	ISHEASTM General Assembly (Gain Hall (1F))								
12:20-13:40	Lunch								
13:40-15:40	FrA1	FrB1	FrC1	FrD1	FrE1	FrF1	FrG1	FrH1	FrI1
	Nuclear History in Asia & Pacific (I)	The Chongzhen-Reign Treaties on Calendrical Astronomy and Beyond (I)	Sciences and Technologies of North Korea	Looking at Animals to Understand The World: Taxonomic Imagination in China	The Flow of Knowledge and Personnel: The Developmental Process of Modern Nursing Profession in China and Taiwan (I)	Shaking East Asian Cosmology with Western Science?	Exchanges of Astronomy in Asia (I)	Reproduction Technologies in Modern East Asia	Historiographies of Science, Technology, and Medicine in East Asia: Do We still Need (more) Monumental Series?
15:40-16:00	Tea Break								
16:00-18:00	FrA2	FrB2	FrC2	FrD2	FrE2	FrF2	FrG2	FrH2	FrI2
	Nuclear History in Asia & Pacific (II)	The Chongzhen-Reign Treaties on Calendrical Astronomy and Beyond (II)	Reexamining The History of The Heavy and Chemical Industries in South Korea, 1950s-1980s	Critical Histories of Sericultural Science in 19th and 20th Century East Asia	The Flow of Knowledge and Personnel: The Developmental Process of Modern Nursing Profession in China and Taiwan (II)	The Mutual Observation of The Nineteenth Century Science between China and The West	Exchanges of Astronomy in Asia (II)	Women and Technology in Korean History	Production and Circulation of Medical Information: Examination, Reporting, and Treatment
19:00-21:30	Closing Ceremony & Banquet (Factory of Contemporary Arts in Palbok)								



Welcome Messages



First I would like to take this opportunity to express how deeply honored I have felt to have been ISHEASTM's President over the past four years. I hope only that I have done justice to the responsibility. In this role it is with great emotion that I welcome you all to the Fifteenth International Conference on the History of Science in East Asia. Hwanyeong habnida! (환영합니다!) 衷心的歡迎! 温かい歓迎! Chào đón nồng nhiệt! Bienvenue! Herzlich willkommen! Vřelé přivítání! Caldo benvenuto! теплое приветствие! These are just a few of the many living languages our members use in their daily lives and research work. The members of ISHEASTM represent an extraordinarily multi-lingual, diverse, inquisitive, talented, and worldly group of scholars.

As I write these words of welcome I am looking at my copy of *Current Perspectives in the History of Science in East Asia*. The editors Yung Sik Kim and Francesca Bray selected to publish 53 of 120 papers presented during the Eighth International Conference on the History of Science in East Asia held in Seoul the last week of August in 1996. We have more than doubled our membership since then and so are too large to consider conference proceedings. We also no longer need to do so since over the past two decades members of this society we have been very active publishing our best research as articles in all the major journals in the history of science, technology, and medicine in numerous languages as well as books in all the major academic presses. Some of our members have also established new journals to further develop the EASTM field.

Now 23 years later our Korean colleagues again have agreed to host ISHEASTM, this time on the beautiful campus of Chonbuk National University in Jeonju, Republic of Korea. The local organizing committee has done an exceptional job organizing the 15th ICHSEA. On behalf of all of us, I express my deepest gratitude for all the hard work and many hours they put into making this conference possible. The next five days promise to be filled with many new research insights, novel opportunities for scholarly synergy, and plenty of time to renew and deepen old connections and forge new friendships.

Finally, I would like you all to consider what inspires you the most during the next week - whether it be a panel, a paper, or a conversation. Then use that source of inspiration to take whatever form best suits you at this time - conference paper or panel, article or special issue of a journal, edited book or a monograph - and thereby further integrate the great work of EASTM scholars manifested in this year's ICHSEA within the even wider world of the history of science, technology, and medicine.

Marta HANSON
President, ISHEASTM
The Johns Hopkins University



Hello. I warmly welcome everyone, professors, researchers, experts, and graduate students from both home and abroad, to Chonbuk National University, which is located in Jeonju, the most Korean city boasting 1,300 years of history and tradition. In particular, I would like to extend heartfelt thanks also to distinguished guests from both home and abroad who are here to congratulate this academic conference despite their busy schedules.

It is a great honor for Chonbuk National University to host the International Conference on the History of Science in East Asia (ICHSEA), which enjoys prestige worldwide. Celebrating its 15th year in 2019, the ICHSEA has played a key role in raising understanding of the history of science, technology, and medicine in East Asia and shedding light on the diversity, openness, and cultural potential strength of scientific civilization in the region.

A main host of the international academic conference this year, the Korean Research Institute of Science, Technology and Civilization at Chonbuk National University is one of the University's representative research institute along with the High-Enthalpy Plasma Research Center, Korea Zoonosis Research Institute, and Asian branch of the Los Alamos National Laboratory Asian Branch, and amply equipped with the academic capacity to oversee this year's academic conference. In particular, by synthesizing the history of scientific civilization in Korea under the title of "Science and Civilization in Korea" until 2020, it has shed light on the history of the development of science and technology in Korea both broadly and deeply and implemented the publication of English translations of the books in this series with the University of Cambridge Press in the United Kingdom, for the first time in the South Korean academia.

Hosting such a meaningful and outstanding academic conference amid the increasing influence of science and technology on society, Chonbuk National University aims at becoming a university that leads education befitting the age of the Fourth Industrial Revolution, fosters intellect and knowledge based on basic and convergent academic disciplines, is strong in career development and employment tailored to the characteristics of individual students, and leads the development of small but strong local businesses and supports the regions. Based on the operational philosophy of a solid university and warmhearted accompaniment, it seeks also to contribute, ultimately, to the creation of scientific civilization in a sustainable future.

I have no doubt that the academic conference, which starts today, will serve as an arena for discussions where the knowledge and experiences of intellectuals from around the globe are shared and our future direction and dis-courses on scientific civilization are searched for in order to resolve diverse problems linked to science, technology, and medicine. In addition, Jeonju, the location of Chonbuk National University, is a city introduced by CNN as one of the top three tourist destinations in Asia. It is also a city that represents Korea's flavors and charms including Korean traditional buildings (hanok), food, and pansori. I hope that you will enjoy the city to the fullest and leave with lasting memories. I would like to conclude my words of welcome by, once again, expressing deep gratitude to guests and renowned scholars from home and abroad who have come to grace this occasion with their presence. Thank you very much.

DongWon KIM

President, Chonbuk National University



Over 450 distinguished participants from 20 nations, it is a great honor and joy to welcome you to Jeollabuk-do (North Jeolla Province), “the land of beautiful mountains and rivers, the home of soaring-up lives.”

It is very meaningful to hold the 15th International Conference on the History of Science in East Asia (ICHSEA) together with Chonbuk National University (CBNU) in our province, which boasts a history of more than a millennium.

I wish to thank President Marta Hanson of the International Society for the History of East Asian Science, Technology and Medicine (ISHEASTM), International Program Committee Chair Kim Yung Sik (Seoul National University) of the 15th ICHSEA, and Local Organizing Committee (LOC) Co-chairs Shin Dong Won (Chonbuk National University) and Kim Namil (Kyung Hee University), who have made great efforts to prepare this conference, as well as other renowned academic participants from 20 countries worldwide.

An academic society created mainly by researchers and scholars for the history of medicine, science, and technology in East Asia, the ISHEASTM has led the paradigm of research on the history of science today by promoting international exchange and understanding through research on the history of science, in particular, and science and technology studies, in general. Held in Jeonju, Jeollabuk-do this year after the last one in Paris in 2015, the conference, which takes place every four years and rotates among continents, celebrates its 15th year in 2019.

This year’s conference will discuss the theme of “History of Science, Technology, and Medicine in Polycentric East Asia: Toward Harmony in Diversity (和而不同).” Confucius had spoke of the Confucian gentleman’s stance with inclusivity acknowledging difference and harmony through “harmony in diversity.” I sincerely hope that the “Dynamics,” “Diversity,” and “Interconnectedness” of East Asian Science, Technology and Medicine will be able to expand the horizons of the world history of science through yet another instance of inclusivity and harmony.

Distinguished global experts here today, I strongly hope that this conference will be an occasion not only to share research through interdisciplinary consilience but also to hold multifaceted discussions capable of leading the evolution of sustainable science, technology, and medicine in the age of the 4th Industrial Revolution. I also earnestly hope that you will continue to build international academic networks among budding scholars and conduct joint international research.

The host of the 2017 Muju World Taekwondo Championship, 2021 Pre-Jamboree, and 2023 World Scout Jamboree in SaeManGeum, Jeollabuk-do is doing its utmost to secure the 2022 Asia-Pacific Masters Games. Having successfully held international events, our province has achieved historical progress with the recent inclusion of Museong Seowon (Neo-Confucian Academy) in Jeongup in the UNESCO World Heritage Sites, the third after the dolmen sites in Gochang and the Baekje Historic Areas in Iksan.

I cordially request your gracious interest also in the footsteps of Jeollabuk-do, which, along with academic societies’ research, is creating new international opportunities.

Thank you very much.

Ha-Jin SONG
Governor, Jeollabuk-do



Greetings!

My name is Joon-Shik Shin, and I am the Chairman of Jaseng Medical Foundation and Jaseng Hospital of Korean Medicine.

First, I would like to extend my heartfelt congratulations to the ICHSEA International Program and Advisory Committees, and Local Organizing Committee on successfully hosting the 2019 ICHSEA. It is a great honor and privilege to be able to contribute to this meaningful event as a member of the Local Organizing Committee. On behalf of the Committees, I would also like to give a warm welcome to all our domestic and overseas experts attending this major event.

The “spirit of the times (Zeitgeist)” may be considered an interchangeable and similar term with the “national spirit (Völkgeist).” As a 7th generation Korean Medicine Doctor, I am greatly interested in the historical mentality and culture imbued in Korean Medicine, and have been trying to shed new light on the activities of our Korean Medicine ancestors to review and recapture their spirit and hearts from antiquity up to the modern era in their efforts towards National Independence and institutionalization and to further draw strength from their wisdom.

Through historical research of traditional Korean Medicine history, which mind was inherited from my forefathers who were National Independence activists, and further studies of Korean Medicine as an integrative medical discipline aimed to better answer the needs of the current times and to promote its study and excellence worldwide, I pride myself to think that I am engaging in and realizing my own modest form of National Independence.

“Compassion for others (矜恤之心)” is what I consider to be the current spirit of the times, and I will continue my efforts to play my part in providing patients with economic and effective treatment verified through research, and to contribute a small part in opening the future of evidence-based medicine based on age-old empirical wisdom of Korean Medicine.

There is no division between conventional and traditional medicine in the human body, and medicine should only think of the patient’s well-being and the recovery of health. I believe that the wisdom of our ancestors of “Harmony in Diversity (和而不同)” and “Reviewing the Old and Learning the New (溫故知新)” are the roots that we should draw the strength to further develop medicine from.

I am fully confident that this conference will serve as a venue for in-depth and thoughtful discussions on the “History of Science, Technology, and Medicine in Polycentric East Asia: Harmony in Diversity (和而不同)” and also as an integrative platform for active exchange of opinions of the science, technology, and medicine in Polycentric East Asia.

Thank you.

Joon-Shik SHIN

Chairman, Jaseng Hospital of Korean Medicine



Respectable presidents from other academic societies, our supporter honorable president of Chonbuk National University and all members of the conference, I as the president of the Korean History of Science want to take this opportunity to congratulate our 15th International Conference on the History of Science in East Asia (15th ICHSEA) is held at this Chonbuk National University of Jeonju. As you may see, Chonbuk National University is a top-notch world class in research and Jeonju, the capital city of Jeonbuk province, is very much famous for its long history and beautiful tradition. This year's conference is administered and charged by International Society for the History of East Asian Science Technology and Medicine.

As one of the managing presidents of the academic societies, I am truly happy and honored to attend this international conference. The Korean History of Science Society was founded in 1960 and has maintained its strong academic tradition, solid authority and popular specialty in the past 60 years. The Korean History of Science Society has been proud to have distinguished and great scholars as its presidents, for example, the late Dr. Jun Sang-Woon, Prof. Song Sang Yong, Dr. Park Seong-Rae and Dr. Kim Yung Sik. Please forgive me that I have not mentioned all the past presidents' names. At the moment, more than 200 scholars of KHSS are strenuously conducting their research in History of Science.

The main topic of this year's conference is 和而不同(Harmony in Diversity). One of the most famous menu of Chonju is Bibimbap. It is very well matched with the conference topic. Bibimbap is made of many ingredients, which are different but are in harmony with one another. This is the secret of the great taste of the bibimbap. To maximize its taste, you need to manage the amount of Gochujang, the Korean traditional hot pepper sauce. I hope you can try and enjoy the Jeonju Bibimbap during your stay here and I wish that your academic trip to Jeonju was enjoyable and that you had a great time from this conference.

Thank you very much.

Myon-U LEE

President, The Korean History of Science Society
Chuncheon National University of Education



Dear participants of the 15th ICHSEA,

On behalf of the organizing committee, we express our sincerest welcome and gratitude to you. It is our great honor to host this prestigious conference, representing the community of the historians of science, technology, and medicine in Korea.



It was 1996, twenty-three years ago, when the ICHSEA was held in Korea for the first time. In retrospect, it turned out to be a watershed for the community of the historians of science, technology, and medicine in Korea, by deeply inspired young scholars, many of whom have become leading figures in the community, and now, in turn, wholeheartedly serve the organizing committee for the success of this year's conference. Through the twenty-three years, we could see remarkable growth of the Korean community, both in terms of the number of scholars and the connectedness with the international community. As the ICHSEA conference in 1996 led a whole academic generation, we are sure this year's conference will inspire a new academic generation, toward international exchanges and collaborations, which will eventually contribute to the further development of the entire international community.

The overarching theme of this conference is "History of Science, Technology, and Medicine in Polycentric East Asia: Harmony in Diversity." The theme is analogous to the old Northeast Asian wisdom of "hwaibudong (和而不同)." We hope that the 15th ICHSEA serves as a meeting space for scholars and researchers from all over the world, to enhance our understanding of science, technology and medicine not only in East Asia but also worldwide.

It is not easy to organize such a big international event. We greatly appreciate our partners all over the world, members who served for various committees, our staffs, and, most of all, you the participants. It would be our greatest pleasure if you can enjoy the entire conference.

Co-chairs of the Local Organizing Committee

Namil KIM

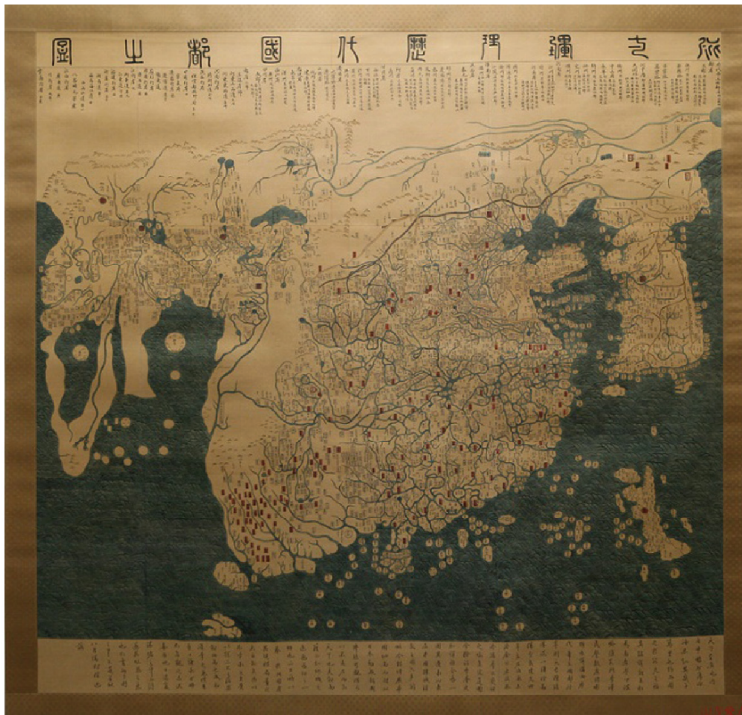
President, Korean Society of the Medical History

Dong Won SHIN

President(2017.7-2019.6), The Korean Society for the History of Medicine

Conference Theme

❖ History of Science, Technology, and Medicine in Polycentric East Asia : Harmony in Diversity (화이부동, 和而不同)



One of the main topics discussed by historians, including those of science, in the late 20th century is the historical introspection into “modernism,” a term based on the teleological view of the world. According to the conventional understanding of world history, the historical process to modernity that has led to civil revolution, scientific revolution, and capitalism is universally inevitable, implying that only the historical experiences of Europeans are relevant. This mainstream view of world history has spread a dichotomous analytic framework for historiography and reinforced cultural essentialism, which has eventually given a Eurocentric hierarchical presentation of world history. The world view of this sort rests on the assumption that there are intrinsic and incommensurable differences between cultures or localities, which a lot of critics and scholars have constantly countered, arguing that that presumption does not comply with what historical sources say.

In recent years, in an attempt to search for new analytic frames, some enterprises have emerged in the field of cultural or science studies to go beyond critical

commentaries and case studies. Also, researchers and scholars in the history of science, technology and medicine in East Asia have put effort into conceptualizing and materializing such new analytic frames. Among those approaches are such attempts to shed light upon trans-local, global interconnectedness (emphatically in pre-modern periods), diverse historical trajectories to modernities, and polycentric landscape of scientific enterprises over time and across the world. As science and technology continually impact our daily lives around the world, critics suggest that we should explore the driving impetus for sustainable science civilizations and map out the



prospect of human civilizations in the future. Some scholars refer to the philosophical foundation of dynamic historical processes in East Asia's science civilizations as the spirit of "Harmony in Diversity (화이부동, 和而不同)" which aims for openness and diversity. This goes along with what the academia has demonstrated recently in the East Asian history of science, technology and medicine—the dynamics, diversity, and interconnectedness of historical events in East Asia.

We hope that the 15th International Conference on the History of Science in East Asia serves as a meeting space for scholars and researchers from all over the world to comprehensively discuss these topics, thereby enhancing our understanding of science, technology and medicine not only in East Asia but also worldwide.

On behalf of the Organizing Committee

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Namil KIM (Kyung Hee University)

Dongwon SHIN (Chonbuk National University)

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Jianjun MEI (The Needham Research Institute)



Jeonju Hanok (韓屋) Village

Keynote & Plenary Speakers

⌘ Keynote Speaker

- **Date / Time:** Aug. 19(Mon), 2019 / 18:10-18:30
- **Session Chair:** Wung Seok CHA (Kyung Hee University)



"Physicians of Korean Medicine and Their Scholarly Activities during the Modern and Contemporary Period in Korea"

Prof. Namil KIM
Kyung Hee University

Biography

Professor Kim Namil was born in Seoul in 1962, and entered Kyung Hee University' College of Korean Medicine in 1981. After graduation, he obtained master's and doctor's degree in Korean medicine with a focus on the Korean medical history field. As a Korean medical doctor, he has been dedicated to collecting and analyzing the behaviors, doctrines, treatments and medical cases of Korean medicine scholars. Through these works, he aspires to understand the academic context of Korean medicine. In particular, Professor Kim has devoted his professional life to understand Donguibogam which was registered in the 2009 UNESCO World Heritage List, and its influence on the academic context of Korean medicine.

Abstract

I'd like to introduce physicians of Korean medicine and their scholarly activities in modern and contemporary Korea. Depending on the status as a physician, we can see their activities in various fields such as palace doctor activities, education and organization of physicians of Korean medicine, publication of professional magazines and newspaper, establishment of the relevant license system, examination of efforts for scholarly achievements and social contributions. Furthermore, I will talk about those long-lasting medical families over the many generations, and those other reputed physicians for those time periods. In summary, I'll bring up the professional influences from those physicians of Korean medicine in accordance with their activities and true meaning of those actions.



❖ Plenary Speaker I

- **Date / Time:** Aug. 19(Mon), 2019 / 09:20-10:20

- **Session Chair:** Manyong MOON (Chonbuk National University)



"Polycentric East Asia": From the Perspectives of Traditional Historiography and "Science and Empires"

Prof. Togo TSUKAHARA
Kobe University

Biography

Togo Tsukahara was born in Tokyo in 1961, and studied chemistry first at Tokyo Gakugei University 東京学芸大学. He did master's degree there, inorganic analysis of heavy elements like Lanthanoid and Actinoid. He then moved to the Netherlands with a Dutch national scholarship. There, he has got his Ph.D. at Faculty of Medicine in 1993 at Leiden University, by his thesis, "Afinity and Shinwa Ryoku: Introduction of Western Chemical Concepts in Early Nineteenth-Century Japan" (Gieben, Amstrdam. 1993). He was a Post-Doctoral fellow at the Needham Research Institute, Cambridge between 1990 and 1994. At the return of Japan, he worked for Tokai University 東海大学 until 1999, then for Kobe University 神戸大学, and appointed as a Professor of HPS and STS, at the Graduate School there in 2007. His fields of interest are: East Asian history of science particularly those of chemistry and geo-sciences: meteorology and historical climate reconstruction, Science and Empires, East Asian STS as an associate editor of EASTS journal; and democratization of techno-science particularly after Japan's post-311. He is recently involved in discourse of Anthropocene.

Abstract

I would discuss first about traditional historiography in East Asian STM, from diffusionist (Bassala) / conversionist (Needham) approaches. I would then put them in comparison with current STS style, like those of cultural relativism and sociology-base analysis. Also my discussion goes to the ones from more recent viewpoints of such field as Science and Empires, namely, more hybrid/circulation historiography. With regard to the general conference theme, "History of STM in Polycentric East Asia: Harmony in Diversity", I would like to consider the key concept of "Poly-Centricity" in East Asia's modernity, with special reference to its history of STM. I will compare how East Asian STM were viewed, and in respective poly-centers, how those are investigated by the framework of "Science and Empires". In doing so, I would also like to examine such cases of traditional Ranguku (Dutch Studies in Japan) approaches, which can be often characterized as the modernist historiography of successful Japanese national techno-science policy, and that led to the triumphant Pan-Asian heroism. Such self-sufficient National (masculine his-) story of techno-science should be reconsidered from the viewpoints of different angle, and we should pay more attentions to the transition to the more contemporary and diversified works. Also with a bit wider perspective than those about Japan, my examination will be extended to the difference and improvement about grand-design of SCC (*Sci.Civil. in China*) by Needham Paradigm, and most recent and moving forward project of SCK (*Science and Civilization in Korea*).

❖ Plenary Speaker II

- **Date / Time:** Aug. 20(Tue), 2019 / 11:20-12:20
- **Session Chair:** Moon Kyu YI (Chonbuk National University)



"Uniformity and Diversity of Agricultural Machines in East Asia"

Prof. Baichun ZHANG
Chinese Academy of Sciences

Biography

Baichun ZHANG majored in mechanical engineering at Inner Mongolian Engineering College from 1979 to 1983, and majored in the history of science and technology from 1987 to 1989. In 1990, he was employed by Institute for the History of Natural Sciences (IHNS), Chinese Academy of Sciences (CAS). Having studied at Technische Universität Berlin and CAS, he received PhD degree at CAS in 1999. He became a full professor at CAS in 2000. After that he made studies of the history of mechanics in collaboration with colleagues at Max Planck Institute for the History of Science. He was appointed as a Deputy Director at the IHNS in 2005 and the Director of the IHNS in 2009. Since 1987, he has been conducting research on the history of science and technology, especially on the history of machines, instruments, mechanics, cross-cultural transmission of technology and scientific knowledge. Besides more than 100 articles published journals, he has been written or co-written 20 books. He joined academic societies or organization, such as IAHS, ESHS, ISHEASTM, and IFToMM. In 2017, he became one of two editors-in-chief of Chinese Annals of History of Science and Technology (bi-annual journal).

Abstract

China, Korea and Japan were and are neighbors separated by a strip of water. East Asia was full of cultural harmony in diversity in the time of agricultural society. There existed obvious uniformity and diversity in their scientific knowledge, technology, and economy. The typical cases include such agricultural machines as the rotary-fan winnowing machine and the square-pallet chain-pump. The main structure of the Chinese winnowing machine came into being in the first century of the Christian era. The completed winnowing machine was shared and localized by Korea and Japan. The Chinese chain-pump was constructed in the second century of the Christian era, and driven by men or oxen in Tang Dynasty. Japan and Korea not only reproduced the square-pallet chain-pump, but also developed their water-lifting devices, including the treadmill. It will be very worthwhile and productive to make comparative studies of technology and scientific knowledge between China, Korea and Japan.



❖ Plenary Speaker III

- **Date / Time:** Aug. 21(Wed), 2019 / 11:20-12:20

- **Session Chair:** Yong Hoon JUN (The Academy of Korean Studies)



"Some Reflections on Needham's Intellectual Heritage"

Prof. Jianjun MEI

The Needham Research Institute

Biography

Jianjun Mei studied physical chemistry in metallurgical processes and the history of science and technology at the Beijing University of Iron and Steel Technology (now the University of Science and Technology Beijing, USTB) in the 1980s. He first visited Cambridge in 1994 as Li Foundation (New York) Fellow working at the Needham Research Institute, then began his PhD study in archaeology at the University of Cambridge with a scholarship generously offered by the East Asian History of Science Foundation, Hong Kong (now the Joseph Needham Foundation for Science and Civilisation, Hong Kong). After postdoctoral work in Tokyo and Cambridge he returned to China in 2004 as a professor at the USTB and Director of the Institute of Historical Metallurgy and Materials. In recent years he has been a leading member of the team formed to write the volume on non-ferrous metallurgy for the Science and Civilisation in China series, founded by the great British sinologist and historian of science Joseph Needham (1900-1995). In January 2014, he joined the Needham Research Institute as its Director. He is now Fellow of Churchill College, University of Cambridge and Visiting Professor at the University of Science and Technology Beijing.

Abstract

In this paper, I wish to reflect on Needham's intellectual heritage, its impact on understanding the world history of knowledge circulation, and its broad influence on generations of scholars. I present two case studies of paktong and iron and steel to show what Needham himself achieved and what recent progress has been made, highlighting the change of research paradigm from a patriotic or nationalistic approach to a global history approach. I argue that Needham's work still sets a marker for ongoing research in many respects, and that, especially, his cross-culturally comparative approach to global circulations of knowledge and technology remains of deep relevance to contemporary scholars. I also argue that Needham's intellectual heritage is unique, substantial and multi-dimensional, reaching well beyond the so-called Needham Question, and will surely continue to encourage and inspire new generations of inquisitive minds.

❖ Plenary Speaker IV

- **Date / Time:** Aug. 22(Thu), 2019 / 11:20-12:20

- **Session Chair and Translator:** Daniel TRAMBAIOLO (The University of Hong Kong)



"Bian Que Dissatisfied - Current Debate over Key Issues of Chinese Medicine History"

Prof. Jianmin LI
Academia Sinica

Biography

Dr. Jianmin Li is a research fellow at the Institute of History and Philology, Academia Sinica, Taiwan. He also teaches at several universities in Taiwan. His specialty is the history of Chinese medicine and of health and healing in ancient China. He is the author of numerous books and articles on medicine and culture in ancient China, among which *The Vulnerable Surgeons and the Fading of Surgery in the History of Sinitic Medicine* (2018).

Abstract

In view of the Medical Findings in the Laoguanshan Tomb

- A New body of history? How are people in the current time enlightened by an understanding of the body in the ancient times?
- What is the history of the source of human strength in Chinese medicine? What is the history of muscle in Chinese medicine? What are the terminologies used in ancient China to describe the movement of human parts?
- What is chroma? How has Chinese medicine been perceived?
- What is early (methodical) style of mortal medicine?



❖ Plenary Speaker V

- **Date / Time:** Aug. 23(Fri), 2019 / 09:00-10:00

- **Session Chair:** Eunkyong LEE (Chonbuk National University)



"Technology Transfer against the Flow: Learning from China in the British-Indian Tea Industry, 1839-1890"

Prof. Francesca BRAY
University of Edinburgh

Biography

Francesca Bray is a historian of science, technology and medicine in China, specialising in gender and technology, the politics of historiography, and the history of agriculture and food. Recent publications include *Technology, Gender and History in Imperial China* (2013); and *Rice: Global Networks and New Histories* (2015). Her current co-authored project, *Moving Crops and the Scales of History*, uses crops to experiment with the chronologies and geographies of global history. Francesca has researched and taught in Cambridge, Paris, Taegu, California and Edinburgh, and has just completed a term as President of the Society for the History of Technology.

Abstract

In the late 1830s the British began experimenting with tea-growing in Assam to substitute for expensive imports from China. They transplanted Chinese tea-plants, Chinese tea-coolies and various forms of Chinese skill and expertise into Indian territory, but expected that applying 'the skill and science of the Europeans' would speedily transform these raw materials into an efficient, industrialised Western model of tea production. The outcome was far more complex. For historians it is an interesting challenge to think about this protracted hybridisation of an imported technology as a counter-intuitive case of technology transfer, not from West to East but from East to West.

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Programs

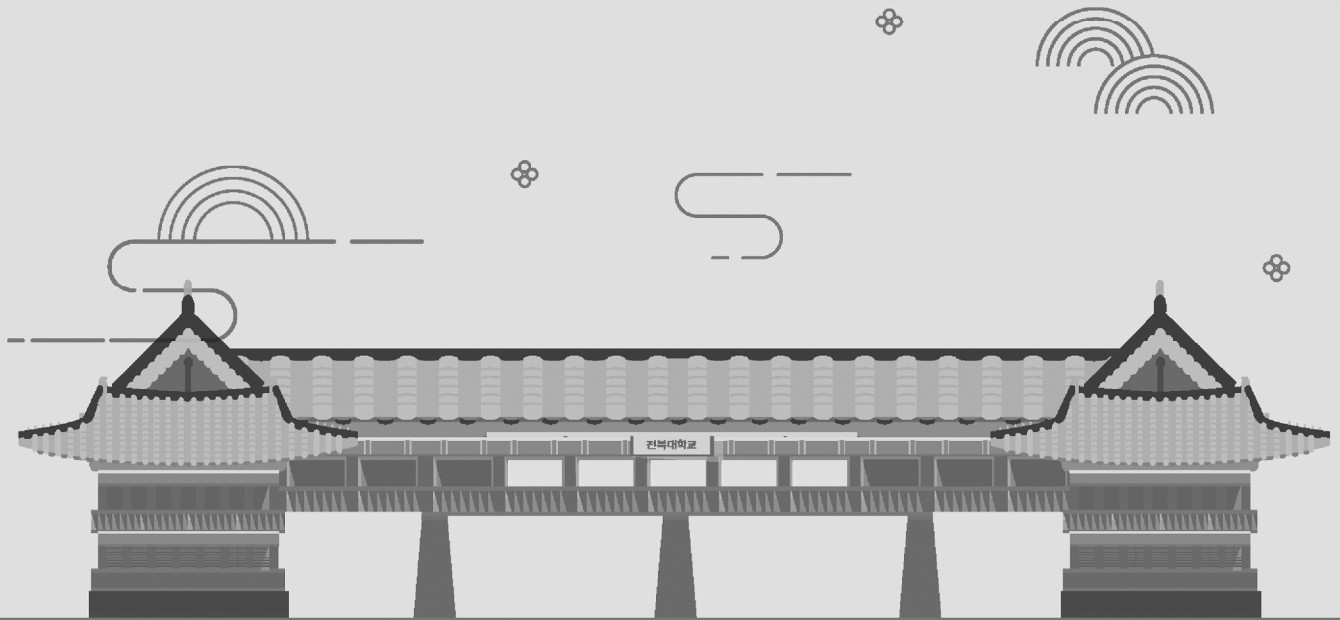
August 19 (Mon.)

August 20 (Tue.)

August 21 (Wed.)

August 22 (Thu.)

August 23 (Fri.)



**August 19 (Mon.)****[MoA1] Books, Materials, and The History of Medical Knowledge**

Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Hyunkoo Kim (University of Oxford)
Chair	Taewoo Kim (Kyung Hee University)

MoA1-1 10:30-10:50**The Meaning of Acupuncture Materials Evacuated from *Xiaoyingzi* Tomb, *Yanji* and Neighbouring Region**

Wung Seok Cha
Kyung Hee University

MoA1-2 10:50-11:10**A Research for *Eoyakwonbang* Printed Versions thru History of Medical Exchange**

Jichung Song
Daegu Haany University

MoA1-3 11:10-11:30**A Research of Medical History on *Boyousinpyun***

Jeong-ah Lyu
Pusan National University

MoA1-4 11:30-11:50**Medical Books on Smallpox in The Joseon Dynasty from The Mid 17th Century to Early 18th Century**

Dong Ryul Kim
Semyung University

[MoB1] Negotiating Productivity for Multi-species: Asian Seascapes in Transitions in The Anthropocene

Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room B (#303)
Organizer	Mayumi Fukunaga (University of Tokyo)
Chair	Mayumi Fukunaga (University of Tokyo)

MoB1-1 10:30-10:50**Conflicts among Stakeholders over the Use of the Coastal Seascape due to Discordance on the Issue of "Productivity": A Case Study of the Post-war Experience of the *Sakura Shrimp* (*Sergia Lucens*) Fishery in Suruga Bay, Japan**

Ryoto Tomita
Shizuoka University

MoB1-2 10:50-11:10**Aquaculturing The Coast in The Anthropocene: Beyond The Science-technological Imaginary of Marine Ranching in The Ruins**

Mayumi Fukunaga
University of Tokyo

MoB1-3 11:10-11:30***Clupea Pallasii*: Techno-Herring, Stock Enhancement, and Cultivating Seascape in Hokkaido, Japan**

Shingo Hamada
Osaka Shoin Women's University

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

[MoC1] The Diversity of Mathematical Practices in East Asia, and Their Historiography (I)	
Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room C (#304)
Organizer	Karine Chemla (CNRS & University Paris Diderot)
Chair	Shirong Guo (Inner Mongolia Normal University)

MoC1-1	10:30-10:50
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Numbers and Cosmic Sound: The Calculation and Uses of Tuning Standards (*lǚ* 律) During The Han and Xin Dynasties

Noa Hegesh
Max Planck Institute for the History of Science

MoC1-2	10:50-11:10
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The Diversity and Uniformity of The Practices of Multiplication in Mathematical Writings in The 15th and 16th Centuries

Xiaohan Zhou
Chinese Academy of Sciences

MoC1-3	11:10-11:30
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From “Suppose” to “Now One Has”: The Transformation of The Meaning and Use of *Jinyou* 今有 in Proportional Algorithms Practices in China

Shuyuan Pan
Chinese Academy of Sciences

MoC1-4	11:30-11:50
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Pre-modern Japanese Mathematics in East Asia: Development of The Theory of Equations

Tsukane Ogawa
Yokkaichi University

[MoE1] Environmental Science, Conservation Movement, and US Collaboration in Cold War South Korea	
Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room E (#203)
Organizer	Jaehwan Hyun (Max-Planck Institute for the History of Science)
Chair	John P. DiMoia (Seoul National University)

MoE1-1	10:30-10:50
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International Museum Building: The Korean-Smithsonian Project in The 1960s

Jieun Shin
Smithsonian Institution

MoE1-2	10:50-11:10
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When Nature Goes “Public”: A Political Life of Nature Conservation in Cold War South Korea, 1963-1979

Sumin Myung
Johns Hopkins University

MoE1-3	11:10-11:30
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Environmental Science for National Development: The Seoul Environmental Assessment Project of The Smithsonian Institution, 1971-1975

Chuyoung Won
Seoul National University

**[MoF1] Mobility and Countermobility of Diseases**

Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room F (#205)
Chair	Kyuri Kim (Korea Advanced Institute of Science and Technology)

MoF1-1 10:30-10:50

Schrödinger's Cat in Shanghai?: Bubonic Plague, Ecology, and Colonialism in The International Settlement, c. 1894-1924

Freddie Stephenson
University of Nottingham

MoF1-2 10:50-11:10

**The Triad that Brought Madras to South Korea:
Infrastructure-Building for Tuberculosis Control in Post-Colonial South Korea**

Kyuri Kim
Korea Advanced Institute of Science and Technology

[MoG1] Food, Technology, and Society (I)

Date / Time	Aug. 19(Mon), 2019 / 10:30-12:20
Place	Room G (#207)
Chair	Jongwook Jeon (Chonbuk National University)

MoG1-1 10:30-10:50

Localization of Bitter Melon in Lingnan Area since Ming Dynasty

Yan Duan
Nanjing Agricultural University

MoG1-2 10:50-11:10

***Haedong Nongsŏ* 海東農書 as An Unpublished Official Agronomic Manual**

Ji-Hyun Lee
Columbia University

MoG1-3 11:10-11:30

**Handling Medicinal Knowledge in *Imwon Gyeongje Ji* ;
Joseon's Most Voluminous Encyclopedia for Practical Use**

Jongwook Jeon
Chonbuk National University

MoG1-4 11:30-11:50

From Agricultural Archaeology to Genetic Cloning: Decoding and Redirecting The Domestication of Rice in China

Chen Sun
Singapore University of Technology and Design

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
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[MoA2] Innovations in Korean Medicine	
Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Taewoo Kim (Kyung Hee University)
Chair	Yeonseok Kang (Wonkwang University)

MoA2-1 13:50-14:10

The Structure of Medical Innovations in East Asian Tradition

Taewoo Kim
Kyung Hee University

MoA2-2 14:10-14:30

Medical Cases in The History of Korean Medicine

Minseok Ku
Kyung Hee University

MoA2-3 14:30-14:50

A Study on The Change of Differentiation Standard of SAAM Acupuncture: Focus on KIM Hong-Kyeong' SAAM Acupuncture

Yoo Ong Jung
Saam Acupuncture Society

MoA2-4 14:50-15:10

Multifaceted Constitutions: Diverse Clinical Interpretations of Sasang Medicine in South Korea

Hyunkoo Kim
University of Oxford

[MoB2] Formal Approaches to Studies of Traditional Maps of East Asia (I)	
Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room B (#303)
Organizer	Vera Dorofeeva-Lichtmann (UMR 8173 China-Korea-Japan, CNRS-EHESS)
Chair	Vera Dorofeeva-Lichtmann (UMR 8173 China-Korea-Japan, CNRS-EHESS), Alexei Volkov (National Tsing Hua University)

MoB2-1 13:50-14:10

Formal Approaches to Studies of Traditional Maps of East Asia: State of The Art and General Remarks

Vera Dorofeeva-Lichtmann¹ and Alexei Volkov²
¹UMR 8173 China-Korea-Japan, CNRS-EHESS
²National Tsing Hua University

MoB2-2 14:10-14:30

Assessing The Development of Western Hydrographical Knowledge of The China Seas, 1650-1850

Stephen Davies
The University of Hong Kong

MoB2-3 14:30-14:50

Tracking down The Secret of Colours: Asian Maps from The Museum am Rothenbaum in Hamburg seen with Respect to Colour Analysis

Diana Lange
Museum am Rothenbaum MARKK Hamburg

**[MoC2] The Diversity of Mathematical Practices in East Asia, and Their Historiography (II)**

Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room C (#304)
Organizer	Karine Chemla (CNRS & University Paris Diderot)
Chair	Shirong Guo (Inner Mongolia Normal University)

MoC2-1 13:50-14:10**Western Mathematics in Joscon Mathematics**

Sung Sa Hong
Sogang University

MoC2-2 14:10-14:30**Shanghai Bibliophilists of the Late Qing Dynasty in The Introduction of Western Learning to The East: The Publication of *Jihe Yuanben***

Jingbo Cao
Shanghai Jiaotong University

MoC2-3 14:30-14:50**Confucianism, *Book of Changes*, Mathematics and Calendric Computations: The Diversity of Mathematical Practices in Song Dynasty**

Yiwen Zhu
Sun Yet-sen University

MoC2-4 14:50-15:10**Division and Multiplication as Opposed Processes of Computation in Qin Jiushao's *Mathematical Writings in Nine Chapters***

Karine Chemla
CNRS & University Paris Diderot

[MoE2] Knowledge Exchange and Practice of Chinese Modern Physics (I)

Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room E (#203)
Organizer	Degang Yi (Inner Mongolia Normal University)
Chair	Degang Yi (Inner Mongolia Normal University)
Discussant	Huakai Hu (University of Science and Technology)

MoE2-1 13:50-14:10**Battery Knowledge and Technology Introduced to China**

Degang Yi and Ying Zhang
Inner Mongolia Normal University

MoE2-2 14:10-14:30**Before and After The Discovery of Anti-Sigma Negative Hyperons**

Zhaojun Ding
University of Science and Technology of China

MoE2-3 14:30-14:50**Discussion on The Exchange of Science and Technology between China and Sweden in The 1960-1970s: A Case Study of Swedish Physicist Hannes Alfvén's Visiting China**

Xiao Dong Yin and Shuo Zhang
Capital Normal University

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

[MoF2] East Asian Women and Medicine, Science and Engineering (I)	
Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room F (#205)
Organizer	Hyunsook Lee (Yonsei University)
Chair	Hyunsook Lee (Yonsei University)

MoF2-1 13:50-14:10

Nurturing A Profession: Il-Uk Joo, One of Korea's Pioneering Obstetricians

Hyejung Kong
Konyang University

MoF2-2 14:10-14:30

Midwives in 20th-century Korea

Hyunsook Lee
Yonsei University

MoF2-3 14:30-14:50

The Medical Practice of Painless Childbirth in China in The 1950s

Yon Sil You
Chonnam National University

MoF2-4 14:50-15:10

Becoming A Woman Scientist in The Japanese Occupation: Focusing on Kim Sam Soon

Sun You Jeong
Chonbuk National University

[MoG2] Food, Technology, and Society (II)	
Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room G (#207)
Chair	Tae-Ho Kim (Chonbuk National University)

MoG2-1 13:50-14:10

Yoghurt and Kimchi: Reinterpretation of The "Korean Food" as The Source of "Probiotics"

Tae-Ho Kim
Chonbuk National University

MoG2-2 14:10-14:30

Variants of Colonial Science in British Malaya and Japanese-ruled Taiwan, 1900-1946.

Wei Yi Leow
National University of Singapore

MoG2-3 14:30-14:50

Famine Foods in Written Words: Producing, Transmitting and Consuming Knowledge on Edible Wild Plants in Early Modern East Asia

Mengxi Zhao
Heidelberg University

MoG2-4 14:50-15:10

Goodbye Maotai: Hello World: CAAC and Chinese State Ambitions, 1978-1988

Jiakai Jeremy Chua
University of Southern California Graduate History

**[MoJ2] Contemporary Arts as a Field of Experimentation in Scientific and Technological Culture: The Possibility of Photographic Documentation as a Path toward Knowledge Construction**

Date / Time	Aug. 19(Mon), 2019 / 13:50-15:40
Place	Room J (Chonbuk National University Natural History Museum)
Organizer	Jinhee Yoo (Seoul National University)
Chair	Morris Low (University of Queensland)

MoJ2-1 13:50-14:10**Sharing Memories on Micro-Monuments: Photographs as Image-Objects and Their Surface to Interface Individuals' Recollections**

Takashi Arai
The National Museum of Ethnology

MoJ2-2 14:10-14:30**Father's Shipyard, My Ship: Art as an Interdisciplinary Approach to Regenerate Local Identity through Site-specific Project in Kaohsiung Harbor**

Chih-Chung Chang
Independence Scholar

MoJ2-3 14:30-14:50**The Tower of Our Age: Rethinking Landscape with Artifacts**

Jinhee Yoo
Seoul National University

MoJ2-4 14:50-15:10**The Camera in The Age of Posthuman Vision**

Young June Lee
Kaywon University of Art and Design

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

[MoA3] History of Traditional Korean Medicine in Korea with Focus on Modern History: Harmony in Diversity (和而不同)	
Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Me-riong Kim (Jaseng Hospital of Korean Medicine)
Chair	Seonsam Na (University of Oxford)

MoA3-1	16:00-16:20
Involvement of Korean Medicine Doctors in Korean Independence Movement History as Army Doctors	
Kye-hyung Lee <i>Kookmin University</i>	

MoA3-2	16:20-16:40
History and Development Process of Korean Herbal Medicine and Related Policies	
Wonil Koh and Mihye Kim <i>Jaseng Hospital of Korean Medicine</i>	

MoA3-3	16:40-17:00
History and Globalization of Chuna Manual Medicine as Reviewed through The Inclusion Process of Chuna in Korean National Health Insurance	
Me-riong Kim and Mihye Kim <i>Jaseng Hospital of Korean Medicine</i>	

[MoB3] Formal Approaches to Studies of Traditional Maps of East Asia (II)	
Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room B (#303)
Organizer	Vera Dorofeeva-Lichtmann (UMR 8173 China-Korea-Japan, CNRS-EHESS)
Chair	Vera Dorofeeva-Lichtmann (UMR 8173 China-Korea-Japan, CNRS-EHESS)

MoB3-1	16:00-16:20
A Sixteenth Century Jesuit Composite Map of East Asia and Its Asian Sources	
Marco Caboara <i>Hong Kong University of Science and Technology</i>	

MoB3-2	16:20-16:40
Map Genealogies in East Asia: Copying Maps from <i>Ming</i> to <i>Qing</i>	
Mario Cams <i>University of Macao</i>	

MoB3-3	16:40-17:00
A Tentative Formal Analysis of Japanese Buddhist World Maps of the 14th - 19th Centuries	
Wei-Ting Yang ¹ and Chun Hao Chang ² ¹ <i>National Tsing Hua University</i> ² <i>Université Paris 1 Panthéon-Sorbonne</i>	

**[MoC3] The Diversity of Mathematical Practices in East Asia, and Their Historiography (III)**

Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room C (#304)
Organizer	Karine Chemla (CNRS & University Paris Diderot)
Chair	Yiwen Zhu (Sun Yet-sen University)

MoC3-1 16:00-16:20**By Counting Rods or By Abacus? An Investigation of The Practices of Chinese Mathematicians' Computations of Multiplication and Division in The 13th-15th Century**

Shirong Guo
Inner Mongolia Normal University

MoC3-2 16:20-16:40**The Diversity of Mathematical Practice in The Context of Evidential Scholarship in Eighteenth and Early Nineteenth Century China**

Miao Tian
Chinese Academy of Sciences

MoC3-3 16:40-17:00**Geometry in The Second Half of Joseon Dynasty**

Young Wook Kim
Korea University

[MoD3] Big Data of Medical Knowledge in The Past and in The Present: From *Uibangyuchwi* to CDSS (Clinical Decision Support System)

Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room D (#201)
Organizer	Hyunkoo Kim (University of Oxford)
Chair	Wung Seok Cha (Kyung Hee University)

MoD3-1 16:00-16:20**On Food Therapy Sections in The *Classified Collection of Medical Prescriptions***

Jaehyun Kim¹ and Sangwoo Ahn²
¹*Wonkwang University*
²*Korea Institute of Oriental Medicine*

MoD3-2 16:20-16:40**A Study on The Shang Han Section (傷寒門) of *Uibangyuchwi* (醫方類聚)**

Jung Wuck Byun
Kyung Hee University

MoD3-3 16:40-17:00**Changes of Perception about Consumptive Disease in East Asia**

Jihun Jung
Sang Ji University

MoD3-4 17:00-17:20**The Development of Common Data Model and Clinical Decision Support System in Korean Medicine Based on a Medical Text, *Donguibogam***

Taehyung Lee
Kyunghee Lee Taehyung Korean Medicine Clinic

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[MoE3] Knowledge Exchange and Practice of Chinese Modern Physics (II)	
Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room E (#203)
Organizer	Degang Yi (Inner Mongolia Normal University)
Chair	Degang Yi (Inner Mongolian Normal University)

MoE3-1 16:00-16:20

S. Sakata's influence in China during The 1950s and 1960s

Jinyan Liu
Chinese Academy of Sciences

MoE3-2 16:20-16:40

The Evolution of Acoustics Technology in Ancient Chinese Stage

Yang Yang
Shanxi University

MoE3-3 16:40-17:00

Criticism of Thermodynamics from The 1950s to The 1970s in China

Huakai Hu
University of Science and Technology of China

[MoF3] East Asian Women and Medicine, Science and Engineering (II)	
Date / Time	Aug. 19(Mon), 2019 / 16:00-17:50
Place	Room F (#205)
Organizer	Hyunsook Lee (Yonsei University)
Chair	Hyunsook Lee (Yonsei University)

MoF3-1 16:00-16:20

The Development of Midwifery and Changing Childbirth Practices in Modern Japan

Noriko Sato
Pukyong National University

MoF3-2 16:20-16:40

A Study of Pharmaceuticals for Female Health in Mid-20th-century Korean Newspaper Advertisements

Young Nam Lee
Chungbuk National University

MoF3-3 16:40-17:00

Making Women Scientists and Engineers Visible in Korea: Early History of KWSE

Eunkyoung Lee
Chonbuk National University

**[MoG3] Food, Technology, and Society (III)****Date / Time** Aug. 19(Mon), 2019 / 16:00-17:50**Place** Room G (#207)**Chair** Yubin Shen (Max Planck Institute for the History of Science)**MoG3-1****16:00-16:20****Of Sweet Potatoes, Locusts, Ducks and Ditches: Biological Pest Control in Late Imperial and Modern China**

Yubin Shen

*Max Planck Institute for the History of Science***MoG3-2****16:20-16:40****Institutionalization of Tea Science in The Period of The Republic of China**

Huichuan Fan

University of Science and Technology of China

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CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

August 20 (Tue.)

[TuA1] Making Sense of Non-sensical World	
Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room A (Kim Gwang Soo Hall (#352))
Chair	Chuan Xu (Columbia University)

TuA1-1	09:00-09:20
The Many Meanings of Mental Illness in Republican China, 1912-49	
Yuk Lum Jennifer Yip <i>University of Pennsylvania</i>	

TuA1-2	09:20-09:40
The Specter of Objectivity: Making Paranormal Knowledge in Early Post-Mao China	
Chuan Xu <i>Columbia University</i>	

TuA1-3	09:40-10:00
Ritualizing Camera, Scientizing Spirits: Morality of Light in Early Republican China	
Menglan Chen <i>Harvard University</i>	

TuA1-4	10:00-10:20
Self-Cultivation and Mind-Body Therapy: Chinese Quiet-Sitting and Its Japanese Inspiration, 1900-1920	
Hsiu-fen Chen <i>National Chengchi University</i>	

[TuB1] Religion and Science: Adaptation of Western Astronomy into East Asia in The 16th-19th Centuries	
Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room B (#303)
Organizer	Sukjoo Kim (Presbyterian University and Theological Seminary)
Chair	Kyo Seong Ahn (Presbyterian University and Theological Seminary)

TuB1-1	09:00-09:20
Between Geocentricism and Heliocentricism: Western Astronomical Theories in Jesuit Chinese Writings between Ruggieri and Verbiest (1584-1688)	
Wonmo Suh ¹ and Jeong Yeon Choi ² ¹ <i>Presbyterian University and Theological Seminary</i> ² <i>Chonbuk National University</i>	

TuB1-2	09:20-09:40
Catholic and Protestant Missionaries and The Transmission of The Copernican Theory into 17th-19th China	
Sukjoo Kim ¹ and Miwon Cho ² ¹ <i>Presbyterian University and Theological Seminary</i> ² <i>Yonsei University</i>	

TuB1-3	09:40-10:00
Establishing 'East Asian Skies': An Analytical Study on Astronomical Observations in East Asia, 17th-19th Centuries	
Seung-Urm Choe ¹ and Moonseok Kwak ² ¹ <i>Seoul National University</i> ² <i>Presbyterian University and Theological Seminary</i>	

**[TuC1] A Comparative Study of Science and Technology in The Four Asian Tigers**

Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room C (#304)
Organizer	Manyong Moon (Chonbuk National University)
Chair	Manyong Moon (Chonbuk National University)

TuC1-1 09:00-09:20**Seoul Olympics and Korea's Science and Technology**

Hyangsuk Shin and Manyong Moon
Chonbuk National University

TuC1-2 09:20-09:40**Taiwanese High-tech Engineers and Economic Growth: 1970-2000**

Kuo-Hui Chang
National Taiwan University

TuC1-3 09:40-10:00**Politics of Recognising Asbestos-related Diseases in Hong Kong and Taiwan**

Harry Yi-Jui Wu
The University of Hong Kong

TuC1-4 10:00-10:20**Taken for "Grounded": Engineering for Slope Stability in Hong Kong**

Stephen Chung-On Ng
The University of Hong Kong

[TuD1] East Asian Scientific Community: Late Imperial to Cold War, 1930s-1970s

Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room D (#201)
Organizer	John P. DiMoia (Seoul National University)
Chair	Sookyong Hong (National University of Singapore)

TuD1-1 09:00-09:20**Science for Life and Labor: Teruoka Gitō's Rural Hygiene Surveys in Korea, Manchuria and Japan, 1936-1955**

Sookyong Hong
Tsuda University

TuD1-2 09:20-09:40**Radioisotopes as Shared Resources for The Atomic Bomb Casualty Commission and The Japanese Scientific Community in The 1950s**

Kaori Iida
SOKENDAI The Graduate University for Advanced Studies

TuD1-3 09:40-10:00**Vaccination and Neonatal Care: Interrogating South Korean Developmentalism through Medical Interventions, Early 1960s-mid 1970s**

John P. DiMoia
Seoul National University

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[TuE1] Human and Environment: Understanding, Interaction, and Representation	
Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room E (#203)
Chair	Duan Baihui (Yonsei University)

TuE1-1 09:00-09:20

The Lore of Winter Solstice Folk Ritual: Stories about Observing Nature and Creating Fantasy

Fumihiko Kobayashi
International Society of Folk Narrative Research

TuE1-2 09:20-09:40

War Epidemics: Environmental Reactions to Humans, 1592-1637

Duan Baihui
Yonsei University

TuE1-3 09:40-10:00

Fishermen, Scientists and Museum: Cultural History of Dugong in Taiwan

Li-jung Cheng
National Chengchi University

[TuF1] Materials of Medicine(s)	
Date / Time	Aug. 20(Tue), 2019 / 09:00-11:00
Place	Room F (#205)
Chair	Wen-Hua Kuo (National Yang-Ming University)

TuF1-1 09:00-09:20

Worms, Snails, and Swellings: Disease and Medicine in Jiangnan in The Qing Dynasty

Yuan-ling Chao
Middle Tennessee State University

TuF1-2 09:20-09:40

Dingzi Drug 錠子藥 as Gift: Its Medical Knowledge and Political Uses in the Early Qing Dynasty

Shih-Hsun Liu
National Palace Museum

TuF1-3 09:40-10:00

Of Ginseng and Chips: An Interdisciplinary Gathering for The Brain in South Korea, 1970s-1990s

Youjung Shin
Korea Advanced Institute of Science and Technology

TuF1-4 10:00-10:20

Regulatory Convergence and Divergence: Developing Herbal Cures for East Asia and Beyond

Wen-Hua Kuo
National Yang-Ming University

**[TuG1] History of Science and the World History****Date / Time** Aug. 20(Tue), 2019 / 09:00-11:00**Place** Room G (#207)**Chair** Hyeonju Son (Chonbuk National University)**TuG1-1****09:00-09:20****Across the Historiographic Divide: The Institutionalisation of Modern Science in Asia in Comparative Context**

Dhruv Raina

*Jawaharlal Nehru University***TuG1-2****09:20-09:40****Reframing Ownership and Subjectivity in The Genomic Era: Science and Law in Comparative Perspective**Chul Choi¹ and Buhm Soon Park²¹*Hankuk University of Foreign Studies*²*Korea Advanced Institute of Science and Technology***TuG1-3****09:40-10:00****History of Science and Future World Governance**

Orun Kim

TuG1-4**10:00-10:20****Artificial Intelligence and Human Liberty**

Hyeonju Son

Chonbuk National University

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[TuA2] Body and Mind in Wartime: Historical Perspectives from Japan and China	
Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Ken Daimaru (Aix-Marseille University), Reut Harari (Tel Aviv University)
Chair	Ken Daimaru (Aix-Marseille University), Reut Harari (Tel Aviv University)

TuA2-1 13:40-14:00

Notes from A Field Hospital: Doctors in The Boshin War

Ellen Nakamura
The University of Auckland

TuA2-2 14:00-14:20

Visual Imagery and Medicine in The Russo-Japanese War

Ken Daimaru
Aix-Marseille University

TuA2-3 14:20-14:40

**Technological Crossover between Military and Civilian Medicine:
The Case of Limb Reattachment Surgery in Twentieth-Century China**

Nicole Barnes
Duke University

TuA2-4 14:40-15:00

**Imperial Medical Encounters: Medical Pacification during The War
in China**

Reut Harari
Tel Aviv University

TuA2-5 15:00-15:20

**The Silence and Voices of Mentally Disabled Veterans in Postwar
Japan**

Eri Nakamura
Keio University

[TuB2] East Asian Natural Study in Diagrams	
Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room B (#303)
Organizer	Borum Kim (The Academy of Korean Studies)
Chair	Yong Hoon Jun (The Academy of Korean Studies)

TuB2-1 13:40-14:00

**The Transition of *Yixue* 易學's Cosmology through Diagrams: The
Chantong qi 參同契's *Yixue* and The *Fuxi bagua fangwei tu* 伏羲八卦方位圖**

Daeseung Lee
The Academy of Korean Studies

TuB2-2 14:00-14:20

**The Neo-confucian Worldview in The 16th Century Joseon: Focusing
on *Diagram of The Heavenly Mandate Explained***

Borum Kim
The Academy of Korean Studies

TuB2-3 14:20-14:40

**A Study on The Natural Philosophy of a Korean Neo-Confucianist in
The 18th Century: Focusing on Wang Bai's *Tiandi wanwu zaohua lun*
(天地萬物造化論) and Bae Sangyoel's "*Cheonji manmul johwa
jido*" (天地萬物造化之圖)**

Yoenjoo Lee
The Academy of Korean Studies

TuB2-4 14:40-15:00

The Scientific Elements in *Fengshuishi* (風水術) in Ancient China

Hanguang Zhou
ECNU(East China Normal University) (Retired)

**[TuC2] Science, Technology, and Medicine in Industrialized Asia**

Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room C (#304)
Chair	Queenie Ng (Nanyang Technological University)

TuC2-1 13:40-14:00**A New Model for Development: USAID and Republic of Korea in The Late 1960s and Early 1970s**

Kichun Kang
Seoul National University

TuC2-2 14:00-14:20**Reimagining Ageing in Singapore: 1960 -2001**

Queenie Ng
Nanyang Technological University

TuC2-3 14:20-14:40**Making 'Industrial Medicine' in Korea: Controversy over Criteria for Occupational Disease Recognition in Wonjin Rayon Incident, 1988-1993**

Kyoryen Hwang
Seoul National University

[TuD2] Exchanges of Technological Knowledge, Practice, and Artefacts (I)

Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room D (#201)
Chair	Moon-hyon Nam (Konkuk University)

TuD2-1 13:40-14:00**Two Century's Journey from Diyār Bakr to Seoul: Al-Jazarī and Jang Yeong-Sil Met in The Striking Palace Clepsydra**

Moon-hyon Nam
Konkuk University

TuD2-2 14:00-14:20**How Did Ancient Chinese Use Body to Measure Time like A Clepsydra? Cases from Some Military Books**

Xiaohu Wang
South China Normal University

TuD2-3 14:20-14:40**Study on The Source Characteristics of Ancient White Pottery by Using Strontium Isotope Method**

Xiaoke Lu
Chinese Academy of Sciences

TuD2-4 14:40-15:00**Mystery of The Black-Glazed Tea Bowls from The Jian Kiln Site of China**

Weidong Li
Chinese Academy of Sciences

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[TuE2] History of East Asian Medicines (1): Text, Material, Practice and Nation	
Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room E (#203)
Chair	Victoria (Yeonhwa) Ten (Jeon) (Leiden University)

TuE2-1 13:40-14:00

Historical Usage of Tiger Parts in Traditional Chinese Medicine (TCM)

Zhihong Cao
University of Chinese Academy of Sciences(UCAS)

TuE2-2 14:00-14:20

National Reconstruction and National Health Systems in Post-WWII Asia

Liping Bu
Alma College

TuE2-3 14:20-14:40

Contemporary Korean *Ki Suryŏn* (氣修練) Practices as An Offshoot of East Asian Medicine

Victoria (Yeonhwa) Ten (Jeon)
Leiden University

TuE2-4 14:40-15:00

Discourses of Race and Ethnicity in Modern China: An Analysis of 20th Century Textbooks

Xiang Lu
New York University

[TuF2] Traveling Medical Knowledge and Artefacts	
Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room F (#205)
Chair	Sooyoung An (Fudan University)

TuF2-1 13:40-14:00

From *al-Qānūn ft al-Ṭibb (kitāb al-Ṭibb)* to *Perubatan Melayu*, a Study on the Receptions of Arabic Medical Canon in Malay World

Yu-Cheng Lin
Ludwig-Maximilians-Universität München

TuF2-2 14:00-14:20

Locating The Chinese *Materia Medica* in Modern Science: Making of Ginseng Knowledge in The 19th Century Britain

Sooyoung An
Fudan University

TuF2-3 14:20-14:40

Collecting, Displaying and Interpreting Chinese Objects of Science, Technology and Medicine in UK in The 19th and 20th Century

Jing Zhu
Humboldt-Universität zu Berlin

TuF2-4 14:40-15:00

A Beautiful Gift: Gendered Bloodshed and Blood Donation in South Korea's 1960 April Uprising

Inga Diederich
University of California

**[TuG2] Grafting Science: Examples from The History of Agricultural Knowledge in China**

Date / Time	Aug. 20(Tue), 2019 / 13:40-15:40
Place	Room G (#207)
Organizer	Francesca Bray (University of Edinburgh)
Chair	Francesca Bray (University of Edinburgh)
Discussant	Francesca Bray (University of Edinburgh)

TuG2-1 13:40-14:00**Scions and Rootstocks: The Chinese Honey Nectar Peach and The Grafting of Science, 1922-1965**

Jongsik Christian Yi
Harvard University

TuG2-2 14:00-14:20**Knowledge of *Zhanhou* 占候 (Weather Prognostication) in Late-Ming Daily Use Encyclopedias**

Xinhao Du
Chinese Academy of Sciences

TuG2-3 14:20-14:40**Of Sweet Potatoes, Locusts, Ducks and Ditches: Biological Pest Control in Late Imperial and Modern China**

Yubin Shen
Max Planck Institute for the History of Science

TuG2-4 14:40-15:00**Exchanges of Agricultural Knowledge between America and China-The Case Study of Franklin Hiram King and His Works**

Yuanming Song
University of Science and Technology Beijing

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[TuA3] Chemical and Nuclear Crossings: People, Health, and Safety in Japan	
Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Yeonsil Kang (The Catholic University of Korea)
Chair	Yasu Furukawa (SOKENDAI The Graduate University for Advanced Studies)

TuA3-1 16:00-16:20

Writing out Memories on Temporal-Spatial Coordinates of Atomic Bombs: A Korean Atomic Bomb Survivor's Movement in The Post-Colonial Korea

Eunjeong Oh
Hallym University

TuA3-2 16:20-16:40

Transnational Hazard: A History of Asbestos Industry and Responsibility in South Korea

Yeonsil Kang
The Catholic University of Korea

TuA3-3 16:40-17:00

Who Should Pay for This Contamination? Citizen's Radiation Measurement Movement and Politics of Risk Regulation in Post-Chernobyl Japan

Nozomi Mizushima
SOKENDAI The Graduate University for Advanced Studies

TuA3-4 17:00-17:20

Hospital for Learning: Students' and Activists' Experiences in Workplace Poisoning Cases around 1988 Korea

Jongmin Lee
University of Science and Technology Korea

TuA3-5 17:20-17:40

Physicists versus Locals in Tanashi: The Dispute over The Establishment of The Institute for Nuclear Study

Kenji Ito
SOKENDAI The Graduate University for Advanced Studies

[TuB3] Historical Astronomy	
Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room B (#303)
Organizer	Hong-Jin Yang (Korea Astronomy and Space Science Institute)
Chair	Yong Bok Lee (Seoul National University of Education)

TuB3-1 16:00-16:20

Mural Constellations Found on The Ceiling of The 5C Ara-Gaya Tomb of Korean

Hong-Jin Yang
Korea Astronomy and Space Science Institute

TuB3-2 16:20-16:40

Lunar Motion in The *Xuanming* Calendar

Mitsuru Soma
National Astronomical Observatory of Japan

TuB3-3 16:40-17:00

The Planets Observed in Japan during 7th and 10th Centuries

Kiyotaka Tanikawa
National Astronomical Observatory of Japan

TuB3-4 17:00-17:20

A Reconsideration of Celestial Phenomenon in Ancient China

Geng Li
Chinese Academy of Sciences

TuB3-5 17:20-17:40

Influence on late Joseon astronomy by the projection method of the old star map Bangsung-do

Yong Bok Lee
Seoul National University of Education

**[TuC3] Rethinking The Occult and The Empirical in Early Modern East Asian Healing Practices**

Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room C (#304)
Organizer	Hsiao-wen Cheng (University of Pennsylvania)
Chair	Hsiao-wen Cheng (University of Pennsylvania)

TuC3-1 16:00-16:20**Scent for The Gods and Medicine for The Parturient**

Margaret Ng
College of Wooster

TuC3-2 16:20-16:40**The Idea of “Divine Formula (*xianfang*)” in Ming China: Between Medical Practice and Textual Transmission**

He Bian
Princeton University

TuC3-3 16:40-17:00**Ghost Fetuses, Monstrous Births, and Female Sexuality in Song Medical and Anecdotal Accounts**

Hsiao-wen Cheng
University of Pennsylvania

TuC3-4 17:00-17:20**Positioning The Supernatural in Medical Texts of 18th Century Edo Japan**

I-Zhuen Lee
University of Colorado Boulder

TuC3-5 17:20-17:40**Women’s Magic and Medicine: Household Manuals in The Late 19th to Early 20th Century Korea**

Janet Yoon-sun Lee
Keimyung University

[TuD3] Exchanges of Technological Knowledge, Practice, and Artefacts (II)

Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room D (#201)
Chair	Jianjun Mei (The Needham Research Institute)

TuD3-1 16:00-16:20**Sea-Route Experiences in Tang China: Wonder and Terror in Narratives of Maritime Travel**

Linda Feng
University of Toronto

TuD3-2 16:20-16:40**Analysis on Real State of Japanese Accommodation of Science, Technology Culture of Ancient Korea - Focused on Huang Zunxian's Research**

Noh Yongpil
Research institute for Korea History

TuD3-3 16:40-17:00**The Qiantang River in Needham’s Dairy**

Haijing Li
Zhejiang University of Water Resource and Electric Power

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[TuE3] Mathematics in East, Southeast, and South Asia: Issues of Comparisons and Transmissions	
Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room E (#203)
Organizer	Jia-Ming Ying (National Taipei University of Education)
Chair	Jia-Ming Ying (National Taipei University of Education)

TuE3-1 16:00-16:20

A Short Story on Comparison of Indian and Chinese Sources

Charlotte Pollet

National Chiao-tung University

TuE3-2 16:20-16:40

A Study of Numerical Parameters in Pre-modern Chinese and Vietnamese Mathematical Texts

Alexei Volkov

National Tsing Hua University

TuE3-3 16:40-17:00

Transmission of Mathematical Knowledge within Korean *Chungin* Clans in Late Chosŏn Period

Jia-Ming Ying

National Taipei University of Education

TuE3-4 17:00-17:20

Learning Pen Calculation in Local Chinese Language: A Case Study of *Pit-Soan E Chho-hak*

Wann-Sheng Horng

National Taiwan Normal University

[TuF3] Medicine and Hygiene in Social Contexts	
Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room F (#205)
Chair	Seonsam Na (University of Oxford)

TuF3-1 16:00-16:20

Who Are Doctors of Korean Medicine?: An Exploration of A Medical Identity in The Making

Seonsam Na

University of Oxford

TuF3-2 16:20-16:40

The Selective Adoption of Public Bath System in Colonial Korea

Yunjae Park

Kyung Hee University

TuF3-3 16:40-17:00

Choice and Growth of A Scientist's Research Subjects in Korea: Focusing on Kim Chung-Yong's Research on Hepatitis B

Miyoung Shin

Chonbuk National University

TuF3-4 17:00-17:20

The Identity of A New Profession in Canada: Examining The Aegis of Traditional Chinese Medicine

Brenda Le

MacEwan University

**[TuG3] The Mongols' Role and Contributions in The Global History of Distilled Liquors**

Date / Time	Aug. 20(Tue), 2019 / 16:00-18:00
Place	Room G (#207)
Organizer	Hyunhee Park (City University of New York, John Jay College and the Graduate Center)
Chair	Michael Hope (Yonsei University)

TuG3-1 16:00-16:20**Mongols as Brokers of Cultural Exchange: Role in The Popularization of Distilled Beverages and Spread of Distillation Technology**

Paul Buell

University of North Georgia, Salzburg University

TuG3-2 16:20-16:40**The Mongols' Influence on The Development of Soju in Korea during The Chosŏn Dynasty (1392-1897)**

Hyunhee Park

City University of New York, John Jay College and the Graduate Center

TuG3-3 16:40-17:00**The Mongols' Influence on The Development of Russian Vodka**

Alexandr Gorokhovskiy

Independent Researcher

TuG3-4 17:00-17:20**Distilled Alcohol in Modern Mongolia**

Batjargal Batdorj

National University of Mongolia

August 21 (Wed.)

[WeA1] Toward A Comparative History of Tuberculosis Control in East Asia	
Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Hidekazu Sensui (Kanagawa University)
Chair	Sean Hsiang-lin Lei (Academia Sinica)

WeA1-1 09:00-09:20

Tuberculosis Control in The Post-Second World War Japan
Lisa Kawatsu and Kazuhiro Uchimura
Japan Anti-Tuberculosis Association

WeA1-2 09:20-09:40

Tuberculosis Policy as A Case of Competition and Harmonization between Public and Private from Korean History
Hongjo Choi
The Korean Institute of Tuberculosis

WeA1-3 09:40-10:00

Tuberculosis Control in Okinawa under The American Administration: Why Not Vaccination but Home Care?
Hidekazu Sensui
Kanagawa University

WeA1-4 10:00-10:20

The World Health Organization, The Development of Anti-tuberculosis drugs, and The Management of Tuberculosis Patients in Taiwan, 1950-1971
Shu-ching Chang
Chang Gung University

WeA1-5 10:20-10:40

Anti-Tuberculosis Measures in Hong Kong, 1950s-1970s
Yuen Han Law
Hong Kong Baptist University

[WeB1] Western Learning in East Asia: Changing Historiographies

Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room B (#303)
Organizer	Catherine Jami (Centre National de la Recherche Scientifique)
Chair	Yunli Shi (University of Science and Technology of China)
Discussant	Jongtae Lim (Seoul National University)

WeB1-1 09:00-09:20

From Universal Science to Local Knowledge? The Studies of Western Learning in Local Contexts
Huiyi Wu
Needham Research Institute

WeB1-2 09:20-09:40

The Historiography of The Jesuits and Western Science in Japan
Ryuji Hiraoka
Kyoto University

WeB1-3 09:40-10:00

The Changing Historiography of A victory: The Letters of Gabriel de Magalhães, and The End of The 'Calendar Case'
Christopher Cullen
Needham Research Institute

WeB1-4 10:00-10:20

Is 'Western Learning in China' Unique? Empires and The Circulation of Knowledge
Catherine Jami
Centre National de la Recherche Scientifique

WeB1-5 10:20-10:40

From Circulation to Displacement: Commonplace Maps between Europe and Asia
Mario Cams
University of Macao

**[WeC1] Shaping Landscapes in 20th Century East Asia: Theory, Data, Expertise and The Rationalization of Infrastructure**

Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room C (#304)
Organizer	Juyoung Lee (Johns Hopkins University)
Chair	Aaron Moore (Arizona State University)

WeC1-1 09:00-09:20**War and The Reconfiguration of China's Energy Geography, 1937-1945**

Ying Jia Tan
Wesleyan University

WeC1-2 09:20-09:40**Reading Space through Numbers: Global Network of Experts and The Emergence of Regional Science in Japan during The Cold War**

Juyoung Lee
Johns Hopkins University

WeC1-3 09:40-10:00**Merging Colonial Infrastructure and Cold War Geopolitics: The Han River Basin Development in Korea during The 1960s and 1970s**

Seohyun Park
Virginia Tech

WeC1-4 10:00-10:20**From A Transit City to A Global City: A Genealogy of Mobility Regime in Songdo, South Korea**

Chamee Yang
University of Illinois at Urbana-Champaign

[WeD1] History of East Asian Medicines (2): Technique, Image and Trans-national Discourses

Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room D (#201)
Chair	Kiebok Yi (Chonbuk National University)

WeD1-1 09:00-09:20***Guk-chi*(局治)-Revealing The Most Natural, yet Vaguely Known Diagnostic Technique**

Sae Young Hong
Kyunghee-Wooso Hong Korean Med. Clinic

WeD1-2 09:20-09:40**Culturo-spatial Dynamics and Processes of Locality and Identity Formation in East Asian Medicine: the Case of the Discourses “*Hyangyak* 鄉藥” and “*Tongui* 東醫”**

Kiebok Yi
Chonbuk National University

WeD1-3 09:40-10:00**Fabricating Similarity, Shaping Commensurability: Seventeenth-century European Accounts of Taking The Pulse in China**

Yijie Huang
University of Cambridge

WeD1-4 10:00-10:20**Uses of Images in Early Modern Japanese Medical Books**

Mathias Vigouroux
Nishogakusha

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[WeE1] Western Science(s) in China	
Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room E (#203)
Chair	Wang Mo (University of Science and Technology of China)

WeE1-1 09:00-09:20

The Introduction of Western Electromagnetism in East Asia - from the Perspective of Western Missionaries' Translations

Wang Mo
University of Science and Technology of China

WeE1-2 09:20-09:40

The Reception of The Idea of Expanding Universe in China between The 1930s and The 1940s

Huijuan Zhu
Capital Normal University

WeE1-3 09:40-10:00

Chinese Physicist Ta-You Wu's Understanding of Foundation of Quantum Mechanics

Pei Yin
Capital Normal University

WeE1-4 10:00-10:20

When East Met East: Scientific Cooperation between China and Czechoslovakia in 1950s and 60s

Jiří Hudeček
Charles University, Faculty of Arts, Institute of East Asian Studies

[WeF1] Workshop: Getting Your First Book Published	
Date / Time	Aug. 21(Wed), 2019 / 09:00-11:00
Place	Room F (#205)
Chair	Marta Hanson (Johns Hopkins University)

John DiMoia
Seoul National University

Yulia Frumer
Johns Hopkins University

Andy Schonebaum
University of Maryland

Marta Hanson
Johns Hopkins University

**August 22 (Thu.)****[ThA1] Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (I) Part 1. The Heaven (天)**

Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Togo Tsukahara (Kobe University)
Chair	Chang-Geon Shin (Tokyo Institute of Technology)
Discussant	Wen-Hua Kuo (National Yang-Ming University)

ThA1-1 09:00-09:20**Realigning Typhoon Network: Ryukyu Islands and Typhoon in Early Cold War Period**

Takuya Miyagawa
Hiroshima Shudo University

ThA1-2 09:20-09:40**Factories, Automobiles, and Lungs: Development of The Air Monitoring in Japan**

Akihisa Setoguchi
Kyoto University

ThA1-3 09:40-10:00**Environmental Factors in Modernized Empire: Japan's Agricultural Meteorology in Early 20th Century, A Controversy and its Ecological Context**

Togo Tsukahara
Kobe University

ThA1-4 10:00-10:20**"Beat Those Yattya Bottya People": Nurturing Pure Science in Prewar Japan, The Case of Nuclear Physics**

Takuji Okamoto
The University of Tokyo

[ThB1] Transcultural Materia Medica: The Entanglement of Pharmaceutical Knowledge and Matters in The East Asian World, 1780s-1940s

Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room B (#303)
Organizer	Xiaomeng Liu (The University of Hong Kong)
Chair	Michael Shiyung Liu (Barbara Bates Center, UPenn & Shanghai Jiaotong University)
Discussant	Michael Shiyung Liu (Barbara Bates Center, UPenn & Shanghai Jiaotong University)

ThB1-1 09:00-09:20**Epistemic Image and The Transcultural Exchange of Pharmaceutical Knowledge: The Making of *Zhiwen Bencao* in The Late-Eighteenth-Century Sino-Japanese Context**

Xiaomeng Liu
The University of Hong Kong

ThB1-2 09:20-09:40**Wonder from The North Sea: Dutch Learning and The Assimilation of *Ikkaku* in The Early Modern Japanese Medicine**

Xin Xing
Sun Yat-sen University Zhuhai Campus

ThB1-3 09:40-10:00**Japanese Colonial Botany in Manchuria and The Birth of Manchukuo's Pharmacopoeia for Traditional Chinese Medicine**

Meng Zhang
Peking University

ThB1-4 10:00-10:20**Being Transcultural while Remaining Local: The Transformation of Chinese Pharmaceutical Knowledge in Southwest China in The Early Twentieth Century**

Wuyutong Yao
The Chinese University of Hong Kong

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[ThC1] The Circulation of Astronomical Knowledge among Ancient Korea, Japan and China	
Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room C (#304)
Organizer	Weixing Niu (University of Science and Technology of China)
Chair	Weixing Niu (University of Science and Technology of China)

ThC1-1 09:00-09:20

Fragments of The Two Han Astrolabes from Lelang of Korean
Shenmi Song
Shanghai University of Traditional Chinese Medicine

ThC1-2 09:20-09:40

Communication and Transformation: The Celestial Images in East Asia Mural Tombs during The 3rd to The 5th Century
HuiChih Chuang
Tainan National University of the Arts

ThC1-3 09:40-10:00

Indian Nakṣatra Dating in The Japanese National Treasure *Mido kampakuki*
Liqun Zhou
Beijing Foreign Studies University

ThC1-4 10:00-10:20

Two Horoscopes in Japanese Literatures from Late Heian Period and Early Kamakura Period
Weixing Niu
University of Science and Technology of China

ThC1-5 10:20-10:40

The Introduction and Acceptance of The European Geocentric Armillary Sphere in China and Korea in The 16th and 17th Centuries
Nan Zhang
Tsinghua University

[ThD1] Beyond The Vaccination of East Asia: Ideal and Reality	
Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room D (#201)
Organizer	Kyuhwan Sihm (Yonsei University)
Chair	Kyuhwan Sihm (Yonsei University)

ThD1-1 09:00-09:20

From Variolation to Cowpox Vaccine: The Modernity of The Vaccination in Korea
Kyuhwan Sihm
Yonsei University

ThD1-2 09:20-09:40

Native Doctors and The Spread of Smallpox Vaccine in China and Modern East Asia
Jeongeun Jo
Kyunghee University

ThD1-3 09:40-10:00

The Role of Ranpoi in The Smallpox Control of The Mid-nineteenth Century Japan
Youngsoo Kim
Yonsei University

ThD1-4 10:00-10:20

Smallpox on The USS Korea Maru: Travel, Infectious Disease Control, and Cowpox Vaccination in The Early Twentieth Century World
Hyon Ju Lee
Ewha Womans University

**[ThE1] The Body and Divination in Chinese History**

Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room E (#203)
Organizer	Marta Hanson (Johns Hopkins University)
Chair	Andrew Schonebaum (University of Maryland)

ThE1-1 09:00-09:20**Needling and Binding: *Shang* Healing Techniques Reconsidered**

Constance Cook
Lehigh University

ThE1-2 09:20-09:40**Embodying Time & Divining The Future: Hand Mnemonics and Divination in *Ming* Almanacs & Encyclopedias**

Marta Hanson
Johns Hopkins University

ThE1-3 09:40-10:00**The Solo Spirit-Writing Method: Peng Dingqiu's Challenge to Collective Prophecy Verification in 17th-Century *Yangzi* Delta**

Daniel Burton-Rose
Northern Arizona University

ThE1-4 10:00-10:20**A Tibetan Diagram on Astrology and Divination**

Petra Maurer
Bavarian Academy of Sciences and Humanities

[ThF1] Diverse and Trans-local History of East Asian Medicines

Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room F (#205)
Chair	Natalie Koehle (Hong Kong Baptist University)

ThF1-1 09:00-09:20**Finding Harmony in The Ancients: Uniform Diversity in Medieval Medicine**

Mujeeb Khan
University of Tokyo

ThF1-2 09:20-09:40***Wang Gui* 王珪 (1264-1354) and The History of Chinese Phlegm (tan 痰)**

Natalie Koehle
Hong Kong Baptist University

ThF1-3 09:40-10:00**Framing Diagnosis in A Dunhuang Medical Manuscript**

Sarah Zanolini
Johns Hopkins Medical Institute

ThF1-4 10:00-10:20**Reviving Science on The Periphery of The Late 19th Century Korea: The Case of Sasang Medicine 四象醫學**

Joong-Yang Moon
Seoul National University

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[ThG1] Pedagogy of Nuclear Technology: Cold War Civilizing Missions and Their Consequences in Asia	
Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room G (#207)
Organizer	Yuka Tsuchiya (Kyoto University)
Chair	Yuka Tsuchiya (Kyoto University)

ThG1-1	09:00-09:20
Reconsidering “Eternal Brotherhood”: On The Transfer of Nuclear Technology from The Former Soviet Union to People’s Republic of China in 1950’s	
Hiroshi Ichikawa <i>Hiroshima University</i>	

ThG1-2	09:20-09:40
Another Black Ship: Nuclear Vessels and America’s Civilizing Mission in Japan, 1959-1968	
Toshihiro Higuchi <i>Georgetown University</i>	

ThG1-3	09:40-10:00
Rivalry and Cooperation: The UK/Commonwealth Atoms for Peace in Asia	
Shinsuke Tomotsugu <i>Hiroshima University</i>	

ThG1-4	10:00-10:20
Nurturing Asian “Nuclear Elites”: The Argonne International School of Nuclear Science and Engineering (ISNSE), 1955-1960	
Yuka Tsuchiya <i>Kyoto University</i>	

[ThI1] Similitude and Difference: A Comparative Study of Transmission and Interpretation of Medical Traditions	
Date / Time	Aug. 22(Thu), 2019 / 09:00-11:00
Place	Room I (Gain Hall (1F))
Organizer	Chuan-hui Mau (National Tsing Hua University)
Chair	Florence Bretelle-Establet (CNRS & Université Paris Diderot)

ThI1-1	09:00-09:20
What Accounted For The Diversity in The Writing about Health, Disease, and Medicine in Late Imperial China?	
Florence Bretelle-Establet <i>CNRS & Université Paris Diderot</i>	

ThI1-2	09:20-09:40
Introduction of The <i>Utsushō Yōjōron</i> - A Perspective and Study by a Rangaku Doctor of The Edo Period	
Tzu-Jung Wang <i>National Tsing Hua University</i>	

ThI1-3	09:40-10:00
Traveling Anesthesia in The Nineteenth Century China	
Alan Huang <i>National Tsing Hua University</i>	

ThI1-4	10:00-10:20
The Concept of “Prevention” in Ancient China - Through The <i>Grainage Cellulaire</i> Invented by Louis Pasteur	
Chuan-hui Mau <i>National Tsing Hua University</i>	

**[ThA2] Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (II) Part 2. The Earth (地)**

Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Togo Tsukahara (Kobe University)
Chair	Morris Low (University of Queensland)
Discussant	Tae-Ho Kim (Chonbuk National University)

ThA2-1 14:00-14:20**American Chickens Versus Japanese Silkworms: A Transformation of Scientific Research Across The Pacific**

Bounsoung Kim
Hiroshima Institute of Technology

ThA2-2 14:20-14:40**Rereading Japanese History Through The Lens of School Lunches**

Tatsushi Fujihara
Kyoto University

ThA2-3 14:40-15:00**Colonialism Reconfigured: Militarized Development and The Construction of South Korea's Power Infrastructure During The Park Chung-hee Era**

Aaron Moore
Arizona State University

[ThB2] Coming to Terms with the Western Science: three East Asian Nations

Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room B (#303)
Chair	Zae-young Ghim (Korea Advanced Institute of Science and Technology)

ThB2-1 14:00-14:20**'Not to Be Left Behind': Einstein and Theory of Relativity in Korea under Japanese Occupation**

Zae-young Ghim
Korea Advanced Institute of Science and Technology

ThB2-2 14:20-14:40**Heisenberg and Dirac's Visit to Kyoto in 1929**

Daisuke Konagaya
Ryukoku University

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[ThC2] Science and Society in Late Imperial and Republican China (I)	
Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room C (#304)
Organizer	Iwo Amelung (Goethe-University)
Chair	Zuoyue Wang (Cal Poly Pomona)

ThC2-1 14:00-14:20

Meteorology and Sovereignty in Republican China

Iwo Amelung
Goethe-University

ThC2-2 14:20-14:40

The Internalization of Geology in China: V. K. Ting and His Early Years at The Geological Survey of China

Qi Han
Chinese Academy of Sciences

ThC2-3 14:40-15:00

Between Industry and Science: Sohtsu Gee King's Patronage of Science in Republican China

Chengsheng Sun
Chinese Academy of Sciences

[ThD2] Populations, Demographic Sciences and The Japanese Nation-State-Empire	
Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room D (#201)
Organizer	Sujin Lee (University of Victoria)
Chair	Aya Homei (University of Manchester)

ThD2-1 14:00-14:20

The Dawn of Total War Governmentality: Population Discourses in Japan, 1920s-40s

Sujin Lee
University of Victoria

ThD2-2 14:20-14:40

Land, Blood and The Populations of East Asia: Population Sciences for The Japanese Wartime Empire

Aya Homei
University of Manchester

ThD2-3 14:40-15:00

Japanese Colonialism and The Geopolitics of Population, Race, and Nation in The Korean Imagination

Jin-kyung Park
Hankuk University of Foreign Studies

**[ThF2] Cartographic Encounter: Korean Maps Meet Western Maps**

Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room F (#205)
Organizer	Don Baker (University of British Columbia)
Chair	Vera Dorofeeva-Lichtmann (UMR 8173 China-Korea-Japan, CNRS-EHESS)

ThF2-1 14:00-14:20**Where Are We? The Self-identity of Koreans Revealed in Maps.**

Don Baker
University of British Columbia

ThF2-2 14:20-14:40**Another Utopia: Fantasy of Circular World Maps (*Cheonhado* 天下圖) and Classic Novel *Taewonji* (太原誌) in the Late Chosŏn Dynasty**

Jeanhyoung Soh
Seoul National University

ThF2-3 14:40-15:00**Changes in The Knowledge and Technology Accreditation Scheme: The Jesuits' Introduction of Cartography and Geography in The Late Choson Period**

Seonhee Kim
Ewha Institute for the Humanities

[ThG2] Workshop: Meet the Editors from International Journals on HEASTM

Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room G (#207)
Chair	Lisa Onaga (History and Philosophy of the Life Sciences)

Catherine Jami
EASTM

Wen-Hua Kuo
EASTS

Lisa Onaga
History and Philosophy of the Life Sciences

Takuji Okamoto
Historia Scientiarum

Hyungsub Choi
Korean Journal for the History of Science

Chihyung Jeon
Journal of Science and Technology Studies

[ThI2] A Historical Overview of Traditional Medicine Education in Asian Countries	
Date / Time	Aug. 22(Thu), 2019 / 14:00-15:40
Place	Room H (Paul Hall (#254))
Organizer	Yeonseok Kang (Wonkwang University)
Chair	Yeonseok Kang (Wonkwang University)
Discussant	Pravit Akarasereenont (Mahidol University)

ThI2-1 14:00-14:20

A Historical Overview of Traditional Medicine Education in Korea

Jiseong Hong¹ and Yeonseok Kang²

¹*Korea Institute of Oriental Medicine*

²*Wonkwang University*

ThI2-2 14:20-14:40

A Historical Overview of Traditional Medicine Education in Thailand

Manmas Vannabhum and Pravit Akarasereenont

Mahidol University

ThI2-3 14:40-15:00

A Historical Overview of Traditional Chinese Medicine Education in Singapore

Yan Yang

National University of Singapore



[ThA3] Polycentric East Asia: Japan's Colonial Science Legacy in its "Heaven, Earth, Human (天地人)" and Industry (III) Part 3. Human (人)

Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Chang-Geon Shin (Tokyo Institute of Technology)
Chair	Togo Tsukahara (Kobe University)
Discussant	Hidekazu Sensui (Kanagawa University)

ThA3-1 16:00-16:20

Reshaping The Empire's Laborers into Cold War's Primitive Bodies: Haenyeo and Ama Studies in Korea and Japan, 1932-1975

Jaehwan Hyun

Max-Planck Institute for the History of Science

ThA3-2 16:20-16:40

Bacteriological Practices and Debates at The Time of Cholera Outbreaks in The Japanese Empire in The 1890s

Shiori Nosaka

École des Hautes Études en Sciences Sociales

ThA3-3 16:40-17:00

Industrial Aquaculture's Imperial Moment: The Rise and Fall of Gokasho Pearl Farm, 1920s-1930s

Kjell Ericson

Kyoto University Graduate School of Letters

ThA3-4 17:00-17:20

Forming A United Front Against Western Medicine: Medical Scientists and Kampo Doctors in Japan's Wartime

Chang-Geon Shin

Tokyo Institute of Technology

[ThB3] Technology as a System: Cases from Modern Japan and Korea

Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room B (#303)
Chair	Yize Hu (Johns Hopkins University)

ThB3-1 16:00-16:20

From The One-side Records to The Two-sides Records and The Consequences for The Early Japan Recording Industry

Caroline Boissier

Aoi Bunka

ThB3-2 16:20-16:40

Constructing through Systems: Modelling and Simulation by Japanese Engineers from 1930s to 1960s

Yize Hu

Johns Hopkins University

ThB3-3 16:40-17:00

Politics on The Radio - The Campaign of Sending Radios to Rural Villages of Park Chung Hee Regime's in The 1960s

Hisuk Kim

Chonbuk National University

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[ThC3] Science and Society in Late Imperial and Republican China (II)	
Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room C (#304)
Organizer	Iwo Amelung (Goethe-University)
Chair	Zuoyue Wang (Cal Poly Pomona)

ThC3-1 16:00-16:20

Relationship between Ministry of Education and Academia Sinica in Republican China

Banghong Fu
University of Science and Technology of China

ThC3-2 16:20-16:40

The Popularity of The Mechanistic View of Body in The Republican China

Meifang Zhang
University of Science and Technology

ThC3-3 16:40-17:00

Teaching a New Style of Reasoning: Logic Textbooks in Late Qing China

Joachim Kurtz
Heidelberg University

[ThD3] Guns, Arms, and Steel in East Asia	
Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room D (#201)
Chair	Sungkeen Kim (Chonnam National University)

ThD3-1 16:00-16:20

Metallurgical Analysis of Forged Iron Cannon in Late Ming Dynasty

WeiWei Zheng¹, Tetsuo Shoji², and Jian Hua Zhang³
¹Independent Research on Technology History of Ming Dynasty China
²Tohoku University
³Shangxi Province Art Museum

ThD3-2 16:20-16:40

The Reverberatory Cupellation Furnace of Southwest China in The 17th-19th Centuries

Nanny Kim
Heidelberg University

ThD3-3 16:40-17:00

Circulating Guns: On The International Arms Trade Market and Japan in The Middle of The Nineteenth Century

Sungkeen Kim
Chonnam National University

ThD3-4 17:00-17:20

The Introduction of Western Metallurgy into Late Qing

Hao Chang
I-Shou University

**[ThE3] Meteorological Knowledges and Practices in Premodern and Modern East Asia****Date / Time** Aug. 22(Thu), 2019 / 16:00-18:00**Place** Room E (#203)**Chair** Kam-Wing Fung (The University of Hong Kong)**ThE3-1 16:00-16:20****Yi Ik's Classification of Portents and Its Rational Reconstruction in Eighteenth-century Korea**Jeongrim Yi
*Seoul National University***ThE3-2 16:20-16:40****The Formation, Dissemination and Its Backgrounds of The Supposed Theory "The Climatic Aridity in Northern China and The Encroachment of The Desert" (1870-1949)**Liang Liu
*The Institute for the History of Natural Sciences, CAS***ThE3-3 16:40-17:00****Aviation Meteorological Observation of The Japanese Empire and Its Colonies (1925-1945)**Kam-Wing Fung
*The University of Hong Kong***ThE3-4 17:00-17:20****The Secrets of The Cheugugi Standards**Hycin Kim
*Chonbuk National University***[ThF3] Medicine and Society in the Japanese Empire****Date / Time** Aug. 22(Thu), 2019 / 16:00-18:00**Place** Room F (#205)**Chair** Ji-young Park (Seoul National University)**ThF3-1 16:00-16:20****Prison Health Care and The Empire of Japan**Cheng Yu Lin
*Kyoto University***ThF3-2 16:20-16:40****Same Bed, Different Dreams: The Biometrical Studies of Korean Children in Colonial Korea during 1930s**Ji-young Park
*Seoul National University***ThF3-3 16:40-17:00****Modernized Domestic Care Dictates in Public Health Nursing Practice in Taiwan 1895-1970**Zxyyann Lu
*National Yang-Ming University***ThF3-4 17:00-17:20****Historical Analysis of The Japanese Psychiatric Beds Supply - Social Defense, Treatment, and Social Welfare**Motoyuki Goto
Keio University

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[ThG3] Diversity of Mathematics in East Asia	
Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room G (#207)
Chair	Yiwen Zhu (Sun Yat-sen University)

ThG3-1 16:00-16:20

Confucianism, Book of Changes, Mathematics and Calendric Computations: The Diversity of Mathematical Practices in Song Dynasty

Yiwen Zhu
Sun Yat-sen University

ThG3-2 16:20-16:40

The Organization of *Chuhae Suyong* 籌解需用 and The Reason Why Hong Taeyong 洪大容 Wrote It.

Yujin Hong
Seoul National University

ThG3-3 16:40-17:00

The Diversity of Mathematical Practice of Evidential Scholarship in Eighteenth and Early Nineteenth Century China

Miao Tian
Chinese Academy of Sciences

ThG3-4 17:00-17:20

Mathematical Society in Edo Period - Based on The Illustrations in Wasan Books

Xu Zelin
Donghua University

[ThH3] Materiality of Scientific and Technological Knowledge	
Date / Time	Aug. 22(Thu), 2019 / 16:00-18:00
Place	Room H (Paul Hall (#254))
Chair	Jung Lee (Ewha Womans University)

ThH3-1 16:00-16:20

Science and Technology in Late Ming and Early Qing Dynasty

Yaxuan Liu
Henan University of Animal Husbandry and Economy

ThH3-2 16:20-16:40

Tacit Factionalism: Exclusion of Rooted Practice in Late Chosŏn Studies of Papermaking

Jung Lee
Ewha Womans University

ThH3-3 16:40-17:00

Transition and Settlement of Printing Institutions during Early Period of The Joseon Dynasty

Hwaseon Kim
Chonbuk National University

ThH3-4 17:00-17:20

Textual Knowledge as Translation of Practice: Kobaen and The Chinese Artisanship of Inksticks in The Eighteenth Century

Wilson Chan
The University of Hong Kong

**[ThI3] The 731 Unit: Unfinished Tasks in East Asian Medical History and Medical Ethics****Date / Time** Aug. 22(Thu), 2019 / 16:00-18:00**Place** Room I (Gain Hall (1F))**Organizer** Ock-Joo Kim (Seoul National University)**Chair** Ock-Joo Kim (Seoul National University)**ThI3-1 16:00-16:20****Unfulfilled Justice and Medical Ethics at War Crime Trials:
Nuremberg, Tokyo, and Khabarovsk**Ock-Joo Kim¹, Junho Jung¹, Kyujin Choi²¹*Seoul National University*²*Inha University***ThI3-2 16:20-16:40****Engagement of Medical Science in the Unit 731 and Biological Warfare**

Shoji Kondo

*NPO Unit 731/BW Information Center***ThI3-3 16:40-17:00****The Key to the Unit 731 Issue: Request for Releasing Imoto Kumao's Memoir**

Keiichiro Ichinose

*NPO Unit 731/BW Information Center***ThI3-4 17:00-17:20****A Thesis of Imperial-Japanese Biowar as "Imprudent" War from Reviewing Experimental Data of Vaccine Development**

Yi-Jong Suh

Seoul National University

August 23 (Fri.)

[FrA1] Nuclear History in Asia & Pacific (I)	
Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Hongjin Liu (Tsinghua University)
Chair	Pei Liu (University of Science and Technology of China)

FrA1-1 13:40-14:00

Victims No Victims: The Political Struggle of Women in Context of Nuclear Colonization

Monica Emond
University of Ottawa

FrA1-2 14:00-14:20

DPRK's Nuclear Program Development - History of UN Security Council's Sanctions against It

Margarita Kichukova
The Academy of Korean Studies

FrA1-3 14:20-14:40

Why the Denuclearization of North Korea was Failed in 2008?

Ho Jye Kang
Eberhard Karls Universität Tübingen

FrA1-4 14:40-15:00

Deliberation on Shin-kori 5 and 6 as a Socio-technical System for Establishing Value-neutral Facts

Hyomin Kim
Ulsan National Institute of Science and Technology

[FrB1] The Chongzhen-Reign Treaties on Calendrical Astronomy and Beyond (I)	
Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room B (#303)
Organizer	Longfei Chu (University of Science and Technology of China)
Chair	Shi Yunli (University of Science and Technology of China)

FrB1-1 13:40-14:00

The Emperor's Celestial Map: The Drawing of *Chidao Nanbei Liangzong Xingtu* and The Reform of Calendrical Astronomy in The Chongzhen Reign Period

Liang Li
Chinese Academy of Sciences

FrB1-2 14:00-14:20

The Impact of Western Astronomy on Annual Almanacs in China during The 17th and 18th Century

Guangchao Wang
University of Chinese Academy of Sciences

FrB1-3 14:20-14:40

The Integration of Chinese and Foreign Sky of Stars in The *Ming* Dynasty: From *Huilui Lifa* to *Chongzhen Lishu*

Yunmeng Su and Yunli Shi
University of Science and Technology of China

**[FrC1] Sciences and Technologies of North Korea**

Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room C (#304)
Organizer	Robert Winstanley-Chesters (University of Leeds)
Chair	Robert Winstanley-Chesters (University of Leeds)
Discussant	Robert Winstanley-Chesters (University of Leeds)

FrC1-1 13:40-14:00**The Conflict over Science and Technology Policy between Kim Il Sung and Scientists in The 1960s in North Korea**

Hakmoon Byun
Research Center of North Korean Science & Technology

FrC1-2 14:00-14:20**Technology Transfer or Technology Acquisition? Scientific Policy, Reverse Engineering and Export Controls Circumvention in The Development of North Korean Computing.**

Benoit Berthelier
Universite Paris Diderot

FrC1-3 14:20-14:40**North Korean Fishing Technologies: Science, Politics and Subterfuge**

Robert Winstanley-Chesters
University of Leeds

FrC1-4 14:40-15:00**Science Diplomacy at Korea's Active Volcano**

Kayla Iacovino
NASA Johnson Space Center

[FrD1] Looking at Animals to Understand The World: Taxonomic Imagination in China

Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room D (#201)
Organizer	Andrew Schonebaum (University of Maryland)
Chair	Marta Hanson (Johns Hopkins University)

FrD1-1 13:40-14:00**Curiosity, Common Sense and Dragons: Middlebrow Views of *Long* 龍 in Early Modern China**

Andrew Schonebaum
University of Maryland

FrD1-2 14:00-14:20**Representing *chong* 蟲: Two's a Company, Three's a Crowd**

Federico Valenti
Needham Research Institute

FrD1-3 14:20-14:40**Rethinking *Bowu* and The Study of Nature in Late Imperial China**

Jia Yu
Cambridge HPS

AUGUST 19 (MON.) - AUGUST 23 (FRI.), 2019
CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

[FrE1] The Flow of Knowledge and Personnel: The Developmental Process of Modern Nursing Profession in China and Taiwan (I)	
Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room E (#203)
Organizer	Shu-ching Chang (Chang Gung University)
Chair	Michael Shiyung Liu (Barbara Bates Center, UPenn & Shanghai Jiaotong Univ.)

FrE1-1	13:40-14:00
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Shaping Nursing Education in China Before 1951

Yuhong Jiang
Peking Union Medical College

FrE1-2	14:00-14:20
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Realizing Dreams in China: Anna D. Wolf and PUMC Nursing School

Cheng Zhen
Center for The History of Medicine

[FrF1] Shaking East Asian Cosmology with Western Science?	
Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room F (#205)
Organizer	Pingyi Chu (Institute of History and Philology)
Chair	Yung Sik Kim (Seoul National University)

FrF1-1	13:40-14:00
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Cosmological Concerns in Late Ming Calendrical Reform

Pingyi Chu
Institute of History and Philology

FrF1-2	14:00-14:20
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A Mathematician's Travels through An Infinite Universe: Hong Taeyong's Mathematics and Cosmology in Mid-eighteenth-century Korea

Jongtae Lim
Seoul National University

FrF1-3	14:20-14:40
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A Science without Nature: Heaven (*Tian*), Morality and Competition from Yan Fu to May 4th

Sean Hsiang-lin Lei
Institute of Modern History

FrF1-4	14:40-15:00
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Nishikawa Joken and The Celestial Sciences: An Early Modern Japanese Scholar's Understanding of Astronomical Phenomena

Daniel Said Monteiro
Paris Diderot University

**[FrG1] Exchanges of Astronomy in Asia (I)****Date / Time** Aug. 23(Fri), 2019 / 13:40-15:40**Place** Room G (#207)**Chair** Kwonsoo Park (Chungbuk National University)**FrG1-1 13:40-14:00****The Mongol Impact and The Astronomy Policy of Korea**

Eonheai Sur

*Seoul National University***FrG1-2 14:00-14:20****Knowledge of Family: Assimilation of Imported Knowledge and Formation of Jungin Family Lineage in The Late Joseon Period**

Kwonsoo Park

*Chungbuk National University***FrG1-3 14:20-14:40****Two Versions of Chinese-islamic Calendar; Chinese *Huilui-lifa* 回回曆法 and Korean *Chiljeongsan Oebyeon* 七政算外篇**

Eun Hee Lee

*Yonsei University***[FrH1] Reproduction Technologies in Modern East Asia****Date / Time** Aug. 23(Fri), 2019 / 13:40-15:40**Place** Room H (Paul Hall (#254))**Chair** Se-Kwon Jeong (Sookmyung Women's University)**FrH1-1 13:40-14:00****The Ogino Method and Religion in Japan**

Miwa Yokoyama

*Ochanomizu University***FrH1-2 14:00-14:20****International Assistances of U.S. and Family Planning in South Korea, 1960-1970s**

Se-Kwon Jeong

*Sookmyung Women's University***FrH1-3 14:20-14:40****Changes in Menstrual Technologies and The New Perception of The Menstrual Body in South Korea, 1960s-1980s**

Youngju Lee

*Seoul National University***FrH1-4 14:40-15:00****Building The Seoul-type Transportation Assemblage: A Case Study of The Plan of Seoul Metropolitan Subway in The Early 1970s**

Sung Won Kim

Chey Institute for Advanced Studies

[Fr11] (Roundtable) Historiographies of Science, Technology, and Medicine in East Asia: Do We Still Need (more) Monumental Series?

Date / Time	Aug. 23(Fri), 2019 / 13:40-15:40
Place	Room I (Gain Hall (1F))
Chair	Christopher Cullen (Needham Research Institute)

Dong Won Shin
Chonbuk National University

Yong Hoon Jeon
The Academy of Korean Studies

Wen-Hua Kuo
National Yang Ming University

Morris Low
University of Queensland

**[FrA2] Nuclear History in Asia & Pacific (II)**

Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room A (Kim Gwang Soo Hall (#352))
Organizer	Hongjin Liu (Tsinghua University)
Chair	Pei Liu (University of Science and Technology of China)

FrA2-1 16:00-16:20**The Ethos and Social Role of The Chinese 'Bombs and One Satellite' Scientists Group**Anbo Ren¹ and Fan Xiaojuan²¹*University of Science and Technology of China*²*Inner Mongolia Normal University***FrA2-2 16:20-16:40****On the Sino-European Spent Fuel Trade and Its Influences in The 1980s**

Pei Liu

*University of Science and Technology of China***FrA2-3 16:40-17:00****Teng Teng and China's Nuclear-fuel-reprocessing Project in 1960s**

Hongjin Liu

*Tsinghua University***FrA2-4 17:00-17:20****A Cross-comparative and Multi-disciplinary Study on Nuclear Energy Policies in China, Japan and Korea: Past, Present and Future**

Monir Hossain Moni

*Asia Pacific Institute for Global Studies APIGS***[FrB2] The Chongzhen-Reign Treaties on Calendrical Astronomy and Beyond (II)**

Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room B (#303)
Organizer	Longfei Chu (University of Science and Technology of China)
Chair	Shi Yunli (University of Science and Technology of China)

FrB2-1 16:00-16:20**How did The *Chongzhen lishu* Change The Metaphysical Basis of The Calendar Learning in The Ming-Qing Period?**

Haohao Zhu

*University of Science and Technology of China***FrB2-2 16:20-16:40****A Primary Research on The *Calculating Method of The Lunar Eclipses in The Chongzhen-Reign Treaties on Calendrical Astronomy***

Longfei Chu and Chen Ji

*University of Science and Technology of China***FrB2-3 16:40-17:00*****Datong* Calendar Reformed in The Chongzhen Reign: Coping with The *Shixian* Calendar in Chosŏn**

Yung Sik Kim

Seoul National University

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[FrC2] Reexamining The History of The Heavy and Chemical Industries in South Korea, 1950s-1980s	
Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room C (#304)
Organizer	Hyungsub Choi (Seoul National University of Science and Technology)
Chair	Sungsoo Song (Pusan National University)

FrC2-1	16:00-16:20
Cementing Reconstruction: The Cement Industry and Everyday Life in South Korea	
Hyungsub Choi <i>Seoul National University of Science and Technology</i>	

FrC2-2	16:20-16:40
People's Car, The Original Model, and 'My Car': Competing Ideals of The New National Car During The Park Chung Hee Era	
Sungook Hong <i>Seoul National University</i>	

FrC2-3	16:40-17:00
Desulfurization, Deregulation and Democratization: Air Pollution Controls in The Private Sector in South Korea in The 1970s-1990s	
JooHui Kim <i>Seoul National University</i>	

FrC2-4	17:00-17:20
How have Heavy Industry Cities been Built?: The Shipbuilding Industry and Geoje	
Dong-Wan Gimm and Seunghoon Yang <i>Kyungnam University</i>	

[FrD2] Critical Histories of Sericultural Science in 19th and 20th Century East Asia	
Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room D (#201)
Organizer	Lisa Onaga (Max Planck Institute for the History of Science)
Chair	Francesca Bray (University of Edinburgh)

FrD2-1	16:00-16:20
The Trouble with Translocating Silkworms in Colonial Taiwan	
Lisa Onaga <i>Max Planck Institute for the History of Science</i>	

FrD2-2	16:20-16:40
'Crossing The Borders': The Transfiguration of A Korean Silkworm Geneticist	
Geun Bae Kim <i>Chonbuk National University</i>	

FrD2-3	16:40-17:00
On The 8-Year-Research (1930-1938) of Gui Yingxiang, The Famous Korean Sericulturist, in Guangdong - According to Chinese References	
Genjin Ni <i>South China Agricultural University</i>	

**[FrE2] The Flow of Knowledge and Personnel: The Developmental Process of Modern Nursing Profession in China and Taiwan (II)**

Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room E (#203)
Organizer	Shu-ching Chang (Chang Gung University)
Chair	Michael Shiyung Liu (Barbara Bates Center, UPenn & Shanghai Jiaotong University)

FrE2-1 16:00-16:20**Nursing Knowledge Transfer: A Case Study based on Chow, Meiyu's Nursing Expertise in Taiwan, 1949~1970s**

Shu-ching Chang
Chang Gung University

FrE2-2 16:20-16:40**A Case Study of Neih, Vera Yu-Chan: The Native Pioneer of Nursing Higher Education in China**

Chou Chuan Chiang Yao
Chang Jung Christian University

FrE2-3 16:40-17:00**Midwifery in Peking PUMC**

Yuntian Hu
Peking University

[FrF2] The Mutual Observation of The Nineteenth Century Science between China and The West

Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room F (#205)
Organizer	Zhihui Chen (Inner Mongolia Normal University)
Chair	Yan Wu (Inner Mongolia Normal University)

FrF2-1 16:00-16:20**The Observatory of Zi-Ka-Wei on La Nature: A Case of Science as The Benefit for People and The Honour of Country**

Yan Wu
Inner Mongolia Normal University

FrF2-2 16:20-16:40**The Dissemination of The Chinese Botanical Knowledge in The 19th Century Britain: Focusing on *The Penny Cyclopaedia***

Ding Cheng Hui
Inner Monglia Normal University

FrF2-3 16:40-17:00**The Chinese Astronomical Instruments in The World Expo 1889 Paris**

Zhihui Chen
Inner Mongolia Normal University

FrF2-4 17:00-17:20**A Comparative Research on The Measurement Unit Systems between China and The West in The Late Qing Dynasty**

Zengqiang Liu
Inner Mongolia Normal University

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CHONBUK NATIONAL UNIVERSITY, JEONJU, REPUBLIC OF KOREA

[FrG2] Exchanges of Astronomy in Asia (II)	
Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room G (#207)
Chair	Moon Kyu Yi (Chonbuk National University)

FrG2-1 16:00-16:20

Reconsidering of Some Characteristics in The East Asian Astronomy

Moon Kyu Yi
Chonbuk National University

FrG2-2 16:20-16:40

How did Chinese Scholars Discover The Hijrah Epoch of Islamic Calendar?

Pan Yue
Shanghai Jiao Tong University

FrG2-3 16:40-17:00

A Study on The Influence of Ryukyu's Calendar by The Change of Dynasty from Ming to Qing

Dong Yuyu
Shanghai Jiao Tong University

FrG2-4 17:00-17:20

The Qing's Diplomatic Documents as New Criteria for Chosŏn's Computations of Solar and Lunar Eclipses in The Mid-Eighteenth Century

Seulki Kim
Seoul National University

[FrH2] Women and Technology in Korean History	
Date / Time	Aug. 23(Fri), 2019 / 16:00-18:00
Place	Room H (Paul Hall (#254))
Organizer	Young-hee Kim (Korea Advanced Institute of Science and Technology)
Chair	Sean Hsiang-lin Lei (Academia Sinica)

FrH2-1 16:00-16:20

Cross between The Pre-Modern and Modern in East Asian Nations: *Gajeong Bogam* (家庭寶鑑 Household Treasure) in The Early 20th Century

Jung-Ok Ha
National Museum of Korean Contemporary History

FrH2-2 16:20-16:40

Korean Women's Advances into Medical Professions in the Early Modern Era: Cases of a Gendered Division of Labor and a Gender Hierarchy

Ggodme Yi
Sangji University

FrH2-3 16:40-17:00

Writing as a Gendered and Engendering Technology: A Case Study of *Hangeul* in Pre-modern Korea

Young-hee Kim
Korea Advanced Institute of Science and Technology

FrH2-4 17:00-17:20

***Tongchima* and Hybrid Modernity : Women's Traditional Dress Reform in Early Twentieth Century Korea**

Soojin Kim
National Museum of Korean Contemporary History

FrH2-5 17:20-17:40

"The General Assembly of Family Management" Written by a Female Intellectual Lee Binghugak in Joseon Dynasty

Soongu Lee
National Institute of Korean History

**[FrI2] Production and Circulation of Medical Information: Examination, Reporting, and Treatment****Date / Time** Aug. 23(Fri), 2019 / 16:00-18:00**Place** Room I (Gain Hall (1F))**Chair** Jack Greatrex (The University of Hong Kong)**FrI2-1 16:00-16:20****Technology of "Washing Injustice Away": Forensic Inquest as A Socio-technical System in Late-Qing Shanghai Settlement**

Zhongxian Xiao

*The University of Hong Kong***FrI2-2 16:20-16:40****Unexpected Sites, Unexpected Science: Forgotten Flows of Medical Thinking in East Asia, c. 1880s to 1910s.**

Jack Greatrex

*The University of Hong Kong***FrI2-3 16:40-17:00****A Discussion of Medical Body and The Technology of Physical Examination in Modern China**

Yaohua Wang and Meifang Zhang

*University of Science and Technology Beijing***FrI2-4 17:00-17:20****Trachoma Control in Taiwan and International Cooperation during 1950-60s**

Shih-Ming Jung

Chang Gung Memorial Hospital

Conference Information

☘ Shuttle Bus Schedule

Ramada Jeonju Hotel → Venue(Chonbuk National University(CBNU))

ICHSEA 2019	Aug. 19(Mon)		Aug. 20(Tue)		Aug. 21(Wed)		Aug. 22(Thu)		Aug. 23(Fri)	
Ramada Jeonju Hotel → Venue(CBNU)	Ramada	CBNU	Ramada	CBNU	Ramada	CBNU	Ramada	CBNU	Ramada	CBNU
	Departure	Arrival	Departure	Arrival	Departure	Arrival	Departure	Arrival	Departure	Arrival
BUS 1	8:10	8:30	8:10	8:30	8:10	8:30	8:10	8:30	8:10	8:30
BUS 2	8:20	8:40	8:20	8:40	8:20	8:40	8:20	8:40	8:20	8:40

Venue(Chonbuk National University(CBNU)) → Ramada Jeonju Hotel

ICHSEA 2019	Aug. 19(Mon)		Aug. 20(Tue)		Aug. 21(Wed)		Aug. 22(Thu)	
Venue(CBNU)) → Ramada Jeonju Hotel	CBNU	Ramada	CBNU	Ramada	CBNU	Ramada	CBNU	Ramada
	Departure	Arrival	Departure	Arrival	Departure	Arrival	Departure	Arrival
BUS 1	20:30	20:50	18:30	18:50	12:30	12:50	18:30	18:50
BUS 2	20:50	21:10	18:50	19:10	13:30	13:50	18:50	19:10
BUS 3			20:50	21:10				

Venue(CBNU) ⇄ Factory of Contemporary Arts in Palbok (August 23(Fri.), 2019 only)

Venue(CBNU) ⇄ Factory of Contemporary Arts in Palbok/Ramada Jeonju Hotel	CBNU	Palbok	Palbok	CBNU /Ramada
	Departure	Arrival	Departure	Arrival
BUS 1	18:20	18:40	21:40	22:00
BUS 2	18:20	18:40	21:40	22:00
BUS 3	18:30	18:50	21:40	22:00
BUS 4	18:30	18:50	21:40	22:00



❖ Opening Ceremony

Date / Time Aug. 19(Mon), 2019 / 09:00-09:20
Place Gain Hall, Jinsudang, Chonbuk National University

❖ Welcome Reception

Date / Time Aug. 19(Mon), 2019 / 18:00-20:00
Place Gain Hall, Jinsudang, Chonbuk National University

❖ Banquet & Closing Ceremony

Date / Time Aug. 23(Fri), 2019 / 19:00-21:30
Place Factory of Contemporary Arts in Palbok

❖ Photo Exhibition

Date / Time August 19(Mon)-23(Fri), 2019 / 9:00-18:00
*Opening Ceremony: Aug 19(Mon), 2019 / 16:00
Place Chonbuk National University Natural History Museum (1st Floor: T106)

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Hu, Yuntian	FrE2-3	78	Kim, Hwaseon	ThH3-3	69
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Hui, Ding Cheng	FrF2-2	78	Kim, Jaehyun	MoD3-1	40
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Hyun, Jaehwan	ThA3-1	66	Kim, Kyuri	MoF1-2	34
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Ku, Minseok	MoA2-2	35	Liu, Jinyan	MoE3-1	41
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Kuo, Wen-Hua	TuF1-4	45	Liu, Pei	FrA2-2	76
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Kwak, Moonseok	TuB1-3	43	Liu, Xiaomeng	ThB1-1	58
			Liu, Yaxuan	ThH3-1	69
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| Choonwondang - The house of rejuvenation like a garden of spring.



Choonwondang, opened in 1847, is a clinic of Korean Medicine run by Yoon's family for 8 generations. At Choonwondang, we treat our patients with our own family proprietary formula based on traditional medicine.

In 2008, we expanded to a new building where we opened Choonwondang Museum of Korean medicine to collect and study artifacts related to Korean medicine. We also host various exhibitions at the museum to educate visitors on Korean medicine and its excellence.

춘원당한방병원
CHOONWONDANG HOSPITAL OF KOREAN MEDICINE

26, Donhwamun-ro 9-gil, Jongno-gu, Seoul, Republic of Korea
TEL. +82-2-766-0000 FAX. +82-2-766-6163

춘원당한방박물관
CHOONWONDANG MUSEUM OF KOREAN MEDICINE

27, Donhwamun-ro 9-gil, Jongno-gu, Seoul, Republic of Korea
TEL. +82-2-3672-2005 FAX. +82-2-743-7255

“Britannica of Joseon”

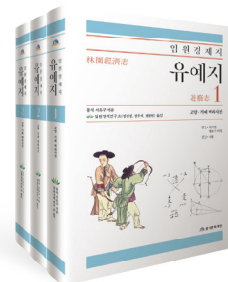
Imwon-Gyeongje-Ji(林園經濟志),
the most voluminous encyclopedia of
Joseon Dynasty.

Seo Yu-gu (Pung-seok, 1764–1845), one of the top leading scholars in Joseon, served as many high ranking officials: ranging from the chief of the Royal Library to head of various local governments. He was attracted by practical studies such as agriculture, architecture, medicine, astronomy and mathematics. Specifically, he compiled the general practical knowledge necessary for a Sun-bi(士)’s prosperous living in rural areas into his lifework, Imwon-Gyeongje-Ji.

It consists of 16 different fields of study, totaling at 113 volumes, 18,000 headings, and 2,520,000 characters. It cited 853 kinds of books from China, Joseon and Japan including some books on Western Learning translated into Chinese. With the activities of intellectual giants in the Western Enlightenment era, his dream and achievements may be in line with the universal trend of popularizing knowledge in the early 19C human history.



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“Science and Civilization in Korea” series

Dulnyouk Publishing Co. has published the series of books titled *The Science and Civilization in Korea*. Based on the broad research by The Korean Research Institute of Science, Technology and Civilization (KRISTC) at Chonbuk National University (CBNU), this large-scale publishing project is focused on unifying a variety of studies on the features and the history of scientific development in the Korean civilization. The collection of books provides precise analysis on the driving forces behind the history of scientific development in Korea from the ancient civilization to the contemporary semiconductor technology. The series will be released successively until 2020.

The history of scientific civilization in Korea is characterized by its extensiveness and comprehensiveness. Many of scientific advancement in Korea are archived with the efforts and devotion of the experts from various scientific fields. Like the notable progress in the times of the King Sejong the Great and *Donguibogam*, a best-seller medical book throughout the east asian countries in the 17th century, Korean people have accomplished preeminent scientific studies. Their ability continues to live on today. Even though they lived through the harsh colonial era and embraced the modern way of life so late in the 1970s, Korean people still produce a lot of excellent scientific technology.

Jaseng's medical staff specializes in non-surgical treatment to provide world-class medical services

Since its establishment in 1990 as a modest Korean medicine clinic and expansion to hospital-level in 1999, Jaseng has continued to treat such spine and joint disorders as herniated disc and spinal stenosis non-surgically for the past 30 years. Jaseng has revolutionized treatment of spine and disc conditions through its innovative non-surgical Korean medicine treatment methods to currently reach over 1.4 million patients/year. We help spine patients from all over the world to recover health and mobility through our constant efforts towards innovation and reinvention.

Patient-focused medical services

Severe spine and joint disorder patients and emergency pain patients are cared for in a comfortable and professional environment equipped with the latest medical facilities and devices.

One-stop Korean and conventional integrative treatment services

Jaseng has put together a team of Korean and conventional medicine specialists to effectively upgrade its existing integrative treatment system. The medical team convenes to discuss the patient's spine and joint condition and reach an optimal non-surgical treatment plan for heightened treatment efficacy.

Extension of Clinical Research Infrastructure

Jaseng has extended its clinical research infrastructure to continue to build on its evidence base for standardization of non-surgical spine treatments and to establish new original treatment methods.

Jaseng International Clinic at the forefront of globalization

In addition to foreigners residing in Korea, Jaseng is attracting an increasing number of foreign patients from overseas, and Jaseng International Clinic offers separate treatment facilities and specialized services for premium international patient care.



Jaseng's non-surgical spine treatment, a choice you won't regret in the years to come

Instead of temporary pain relief, Jaseng Hospital of Korean Medicine focuses on the body's self-healing properties to strengthen the spine in treating spinal disorders. The patients' trust in our non-surgical treatment methods has been rewarded over the years through the results that have left them happy and satisfied even after 10 years.

Prevention of relapse
through regeneration of
degenerated bone and
injured nerves

**Getting to the root
of the problem**

Effective reduction of
inflammation, swelling and
injury in the paravertebral
and periarticular tissue

Treating the pain

Recovery of innate self-healing
properties through correction
and treatment of dysfunctional
spine and joint structures

**Treating the cause
of the problem**



Designated by the Korean Ministry of Health and Welfare as a spine-specialty Korean medicine hospital

Jaseng Hospital of Korean Medicine was the first Korean medicine hospital in the nation to be certified by the Korean Ministry of Health and Welfare to specialize in spine treatment. It operates a unique medical system with 340+ physicians, hospital facilities designated for high severity inpatients, and a one-stop MRI, X-ray, and imaging diagnosis system with Korean medicine treatment which allows for collaborative treatment that integrates both Korean and conventional medicine. Jaseng Hospital has built a unique non-surgical treatment setting and system to collectively treat over 1.4 million spinal disorder patients a year.



Standardization, Objectification and Globalization of Integra- tive Korean Medicine Treatment

Jaseng Hospital of Korean Medicine has established 20 clinics in Korea and 6 clinics in the US for higher accessibility as pain can often be debilitating. As the leading spine-specialty Korean medicine hospital in an era of medical professionalism, Jaseng has been able to stay at the forefront through continuous training of its nationwide medical staff based on 30 years' clinical experience in spine treatment, enabling patients to receive standardized treatment at their nearest location and convenience.



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