

Kyoto ICTSA 2017

PROGRAM

Wednesday, October 25

Keynote Speeches

Christopher CULLEN

(Emeritus Professor and Director, Needham Research Institute, University of Cambridge, UK)

An Eastern heaven encounters Western technology in 17th century Japan: the Geneva sphere

Krishnamurti RAMASUBRAMANIAN

(Professor, Department of HSS, Indian Institute of Technology Bombay, India)

The role of culture in shaping scientific concepts

Panel 1: West Asian Astral Sciences

John STEELE

(Professor and Chair, Department of Egyptology and Assyriology, Brown University, USA)

A re-evaluation of some claims for Mesopotamian influence on East Asian astral science

MITSUMA Yasuyuki

(Postdoctoral Fellow, Graduate School of Arts and Sciences, University of Tokyo, Japan)

Unusual Babylonian astronomical diary -99C in the light of *The Book of the Laws of Countries*

MIMURA Taro

(Associate Professor, Graduate School of Integrated Arts and Science, Hiroshima University, Japan)

Scholarly exchanges in the Marāgha Observatory: reassessment of 'Urḏī's impact on Marāgha associates

Dror WEIL

(Postdoctoral Fellow, Max Planck Institute for the History of Science, Berlin, Germany)

The forgotten transmission - Arabic and Persian cosmological knowledge in late imperial China

Panel 2: South Asian Astral Sciences

Krishnamurti RAMASUBRAMANIAN

(Professor, Department of HSS, Indian Institute of Technology Bombay, India)

The perception of heaven and earth in Indian astronomy and its sequel in the conception of planetary models

R. Venketeswara PAI

(Assistant Professor, Indian Institute of Science Education and Research, Pune, India)

Maṇḍalavākyas: an intermediate numerical table used in the computation of planetary longitudes

HIROSE Sho

(Postdoctoral Researcher, Department of Humanities, Social and Political Sciences, Swiss Federal Institute of Technology (ETH) Zurich, Switzerland)

Analysing the sine computations in an anonymous commentary on Parameśvara's *Goladīpikā 2*

Noémie VERDON

(Teaching Fellow, School of Buddhist Studies, Philosophy and Comparative Religions, Nalanda University, India)

Religious festivals of Indian and Persian calendars as transmitted by al-Bīrūnī

Icebreaker Party

Thursday, October 26

Panel 3: Visualization and Transmission

Bill MAK

(Associate Professor, Hakubi Center and Institute for Research in Humanities, Kyoto University, Japan)

Greco-Babylonian astral science in Asia: patterns of dissemination and transformation

Sonja BRENTJES

(Research Scholar, Max Planck Institut für Wissenschaftsgeschichte, Berlin, Germany)

Visualization of the heavens

Adrian PIRTEA

(Research Assistant, Institute of Greek and Latin Languages and Literatures,
Free University of Berlin, Germany)

The eclipse dragon in medieval Syriac and Manichaean sources

ISAHAYA Yoichi

(Postdoctoral Researcher, Faculty of Humanities, Hebrew University of Jerusalem, Israel)

Geometrizing Chinese astronomy?

Poster Presentations

Panel 4: East Asian Astral Sciences I

Karine CHEMLA

(Professor and Research Director, CNRS, SPHERE, University Paris Diderot, France)

Mathematical practices in the astral sciences in early imperial China: a historiographic and historical approach to *The Gnomon of the Zhou* (周髀 Zhou bi)

Daniel P. MORGAN

(Researcher, CNRS, SPHERE, University Paris Diderot, France)

Remarks on the foreign/expatriate leadership of the Tang Astronomical Bureau

SHI Yunli

(Professor, Department of History of Science and Scientific Archaeology, University of Science and Technology of China, Hefei, China)

Stars in colors: the *Song of the Sky Pacers* and its star charts revisited

TANG Quan

(Professor, School of Mathematics and Information Science, Xianyang Normal University, China)

Research on the motion of Mars in the Sovereign Pole System of the Sui dynasty

Panel 5: East Asian Astral Sciences II

Catherine JAMI

(Professor and Research Director, CNRS, EHESS, Paris, France)

Managing heaven and earth: imperial mathematics in early Qing China

CHU Pingyi

(Research Fellow, Institute of History and Philology, Academia Sinica, Taipei, Taiwan)

Western learning, examinations, and Neo-Confucianism: a study of the astronomical section in Ying Huiqian's *Xingli Dazhong* (性理大中)

LIM Jongtae

(Professor, College of Natural Sciences, Seoul National University, Korea)

Heaven vs. empire: the calendrical reform of Chosŏn Korea in the mid-seventeenth century

JUN Yong Hoon

(Associate Professor, Faculty of Humanities, Academy of Korean Studies, Seongnam, Korea)

A reception history of the Western Calendrical System (Shixianli 時憲曆) in Korea

Banquet and Speech (OIKE Kazuo, Former President, Kyoto University, Japan)

Friday, October 27th

Panel 6: East Asian Astral Sciences III

HIRAOKA Ryuji

(Associate Professor, Faculty of Letters, Prefectural University of Kumamoto, Japan)

Deciphering Aristotle with Chinese medical cosmology: *Nanban Unkiron* 南蛮運氣論 and the reception of Jesuit cosmology in 17th century Nagasaki

Matthias HAYEK

(Associate Professor, Department of East Asian Languages and Civilizations, University Paris Diderot, France)

Reading heaven's mind: discourses on astral and meteorological portents in early-18th century Japan

ZHU Haohao

(Postdoctoral Researcher, School of Philosophy, Wuhan University, China)

From Taiyi 太一 to Heaven 天: a comparison of the astronomy systems of Xing Yunlu 刑雲路 and Xue Fengzuo's 薛鳳祚

Javier PEREZ-JARA

(Assistant Professor, International Business School, Beijing Foreign Studies University, China)

Deciphering earth and heaven during the Edo Period

Film

Noémie VERDON (with Vladimir LONCAR)

(Teaching Fellow, School of Buddhist Studies, Philosophy and Comparative Religions, Nalanda University, India)

Biruni, the Quill of the Invaders

Panel 7: Mapping Heaven and Earth

HASHIMOTO Keizo

(Professor Emeritus, Kansai University, Osaka, Japan)

The encounter and crossover of astronomical knowledge from east and west in late Ming China

FUNG Kam-Wing

(Professor, Institute for Humanities and Social Sciences, University of Hong Kong, China)

Mapping East Asia: transmission of Western surveying in China, Japan and Korea (1580-1740)

Vera DOROFEEVA-LICHTMANN

(Researcher, CNRS, EHESS, Paris, France)

‘Cosmograph’-tailored maps in late East Asian cartography

WANG Qianjin

(Professor, School of Humanities, University of Chinese Academy of Sciences, Beijing, China)

Two newly discovered ancient Chinese globes in Europe

Panel 8: Modern Geosciences

ITO Kazuyuki

(Professor, Graduate School of Letters, Kyoto University, Japan)

Seismology in Meiji Japan: emergence of historical earthquake studies

TSUJIMOTO Motohiro

(Member, Japan Cartographers Association, Sakai, Japan)

Analyzing the early 19th century's geomagnetic declination in Japan from Tadataka Inoh's *Santou-Houi-Ki*

Bhaskara VEENADHARI

(Professor, Indian Institute of Geomagnetism, Navi Mumbai, India)

Extreme space weather events as seen in the historical geomagnetic records of Colaba, India

HAYAKAWA Hisashi

(Doctoral Student, Graduate School of Letters, Kyoto University, Japan)

Great auroral displays during the Carrington Magnetic Storm: a crossroads of East Asian history and Western geoscience

Poster Session (in alphabetical order)

CHANG Chun Hao (with YANG Wei-Ting)

(Master's Student, Institute of History, National Tsing-Hua University, Hsinchu, Taiwan)

A new research methodology of cartography – Buddhist world maps as an example

GUO Jinsong

(Doctoral Student, East Asian Studies Department, Princeton University, USA)

The first Newtonian science in China? Precession-based historical chronology in Jean-Francois Foucquet's *Lifa Wenda (Dialogue on Astronomical Methods)*

HATAKEYAMA Tadahiro

(Associate Professor, Information Processing Center, Okayama University of Science, Japan)

Archaeomagnetism in Japan: introduction to history and applications

Matthieu HUSSON

(Researcher, CNRS, SYRTE, Paris Observatory, France)

TAMAS, Table Analysis Method for the history of Astral Sciences: a research project

KITAHARA Yu

(Doctoral Student, Graduate School of Integrated Science for Global Society, Kyushu University, Fukuoka, Japan)

A review of the development of modern archaeointensity research in the orient and occident

Michelle McCOY

(Postdoctoral Researcher, Max Planck Institute for the History of Science, Berlin, Germany)

The Hellenistic zodiac in Chinese and Inner Asian visual culture

Daniel SAID MONTEIRO

(Doctoral Student, University Paris Diderot, France)

Astronomical and calendrical sciences in the works of Nishikawa Joken (1648-1724)

Sethykar SAMAN

(Undergraduate Student, Royal University of Phnom Penh, Cambodia)

A short history of astronomical interpretations of Angkor Wat

XU Bin

(Postdoctoral Fellow, The Palace Museum, Beijing, China)

Modeling heaven and earth: the impact of astronomical / calendrical system on capital city planning in early imperial China

YANG Wei-Ting (with Alexei VOLKOV)

(Doctoral student, Institute of History, National Tsing-Hua University, Hsinchu, Taiwan)

A study of two Chinese maps from Mawangdui