

1 ST CONFERENCE
OF THE INTERNATIONAL
ACADEMY OF THE HISTORY
OF SCIENCE

CIAHS

**CONFERENCE
PROGRAM**

12-15 September 2019
Athens, Greece

Thursday, September 12, 2019

09:00 – 11:30 | Registration of Participants

Venue: Foyer of the National Hellenic Research Foundation (NHRF)

11:30 – 13:30 | Opening Plenary Session

Venue: NHRF Auditorium

Conference Opening

Sergei Demidov | President, International Academy of the History of Science

Kostas Gavroglu | Professor Emer. of History of Science, University of Athens, Greece

Plenary Paper

Robert Halleux | Histoire des sciences et histoire de l'Humanité. Le rêve de George Sarton / History of Science and the History of Humankind; the Dream of George Sarton.

13:30 – 15:30 | Lunch Break

15:30 – 17:30 | Afternoon Session

NHRF Auditorium | Symposium 9 – Retrospect and prospect: History of Science and Technology in China

NHRF Seminar Room | Symposium 8 – The Migration of Scientists for Political or Economic Reasons

17:30 – 18:00 | Coffee Break

18:00 – 20:00 | Evening Session

NHRF Auditorium | Symposium 9 – Retrospect and prospect: History of Science and Technology in China

NHRF Seminar Room | Symposium 8 – The Migration of Scientists for Political or Economic Reasons

Friday, September 13, 2019

09:00 – 11:30 | Morning Session

NHRF Auditorium | Symposium 9 – Retrospect and prospect: History of Science and Technology in China

NHRF Seminar Room | Symposium 8 – The Migration of Scientists for Political or Economic Reasons

Marasleio Room 1 | Symposium 2 – Comparison and Connection in the Astral Sciences across Eurasia

Marasleio Room 2 | Symposium 11 – Studies on the History of Metrology Development in China and the West

Marasleio Room 3 | Symposium 17 – Usages et contre-usages culturels et mathématiques de l'infini

Marasleio Room 4 | Stand-Alone Papers – Methodological Approaches in the History of Science

Marasleio Room 5 | Stand-Alone Papers – Mathematics and Astronomy

Marasleio Room 6 | Symposium 1 – Above and below the Moon: Islamicate science across the Mediterranean

11:00 – 11:30 | Coffee Break

11:30 – 13:30 | Noon Session

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Marasleio Room 3 | Stand-Alone Papers – Medicine and Biology

Marasleio Room 4 | Stand-Alone Papers – Physics

Marasleio Room 5 | Stand-Alone Papers – Mathematics and Astronomy

Marasleio Room 6 | Stand-Alone Papers – Interdisciplinary Perspectives in the History of Science and Technology

17:30 – 18:00 | Coffee Break

18:00 – 20:00 | Evening Session

NHRF Seminar Room | Symposium 18 – The Continuity and Disruption of Medicine

Marasleio Room 2 | Stand-Alone Papers – The Lives and Works of Scientists

Marasleio Room 3 | Stand-Alone Papers – Medicine and Biology

Marasleio Room 4 | Stand-Alone Papers – Physics

Marasleio Room 6 | Stand-Alone Papers – Interdisciplinary Perspectives in the History of Science and Technology

Saturday, September 14, 2019

09:00 – 11:00 | Morning Session

NHRF Auditorium | Symposium 6 – Agricultural Diffusion Around the World

NHRF Seminar Room | Stand-Alone Papers – Local Aspects of the History of Science and Technology

Marasleio Room 1 | Symposium 7 – International journals with a wide coverage

Marasleio Room 2 | Symposium 10 – Science in Different Ancient, Medieval and Early Modern Cultures and Context

Marasleio Room 3 | Symposium 12 – The Material Culture of Nuclear Diplomacy

Marasleio Room 4 | Symposium 5 – International Contacts of Soviet Science

Marasleio Room 5 | Symposium 15 – Tradition and Innovation in Mathematics in Late Antiquity and the Middle Ages

11:00 – 11:30 | Coffee Break

11:30 – 13:30 | Noon Session

NHRF Auditorium | Symposium 6 – Agricultural Diffusion Around the World

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13:30 – 15:30 | Lunch Break

15:30 – 17:30 | Afternoon Session

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NHRF Seminar Room | Stand-Alone Papers – Local Aspects of the History of Science and Technology

Marasleio Room 1 | Symposium 13 – The Mathematical Astronomies' Exchange and Cooperation between Medieval Islam and China on the Silk Road

Marasleio Room 2 | Symposium 10 – Science in Different Ancient, Medieval and Early Modern Cultures and Context

Marasleio Room 3 | Symposium 14 – Theories and practices of measurement in ancient sciences

Marasleio Room 4 | Symposium 4 – Euclid's Elements from the West to the East

Marasleio Room 5 | Symposium 16 – University science in Russia in XIX – XXI centuries: the regional dimension

17:30 – 18:00 | Coffee Break

18:00 – 20:00 | Evening Session

Marasleio Room 1 | Symposium 13 – The Mathematical Astronomies' Exchange and Cooperation between Medieval Islam and China on the Silk Road

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Sunday, September 15, 2019

09:00 – 11:00 | Morning Session

NHRF Auditorium | Stand-Alone Papers – Science and Religion

NHRF Seminar Room | Stand-Alone Papers – Science and Exploration

11:00 – 11:30 | Coffee Break

11:30 | Closing Plenary Session

Venue: NHRF Auditorium

The ceremony of the Koyré Medal

Medalist: **Professor Liu Dun**

Laudatio by Catherine Jami

Liu Dun | From Timaeus to Gorintō: A transcultural study on the Buddhist five-ringed tower

The Ceremony of the Young Historians Prize

Presentation of the 2017 Prize to **Corinna**

Guerra for her book *Lavoisier e Parthenope. Contributo ad una storia della chimica del regno di Napoli*

Presentation of the Prize to **Orly Lewis** for her book *Praxagoras of Kos on Arteries, Pulse and Pneuma*

Presentation of their books by the laureates.

Closing of the Conference

DETAILED PROGRAM

Symposium 1

Above and below the Moon: Islamicate science across the Mediterranean

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 6

Petra Schmidl | Traces of Egyptian astronomical traditions in 13th century Yemen

Flora Vafea | The Armillary Sphere “Astrolabe” by Ptolemy according to the Description by Ḥabash al-Ḥāsib

Emilio Calvo and **Rosa Comes** | The transmission of toponymy from Arabic astronomical treatises to Medieval Latin. The case of Plato of Tivoli’s translation of al-Battani’s zij

Theo Loïnaz | Medical Literature in Tenth-Century Andalus: Texts, Genres, and Sources

Noon Session | 11:30-13:30

Venue: Marasleio Room 6

Miquel Forcada | Astronomy and the sciences of the reason in 10th century al-Andalus

Montse Diaz-Fajardo | Approximation to the alchemy of Ibn Arfa' Ra's al-Andalusī (born in 1121, Jaen)

Julio Samsó | Tropical versus sidereal astronomy in the Iberian Peninsula

Symposium 2

Comparison and Connection in the Astral Sciences across Eurasia

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 1

Yuzhen Guan | The Culminating Stars in Chinese and Babylonian Astronomy

Alexander Jones | Transmissions of the Babylonian zodiac

John Steele | The Length of Life in Babylonian and Greek Astrology

Erica L. Meszaros | The Legacy of Babylonian Astronomers in the Language of Greek and Roman Authors

Noon Session | 11:30-13:30

Venue: Marasleio Room 1

Zhang Nan | Research on astronomical instruments used and manufactured by Zhang Heng and Ptolemy

Rui Zhang | From Aratus to Geminus: ‘Phenomena’ in the Hellenistic Period

Lyu Peng | Kuṭṭaka and Da-Yan-Shu: Indian and Chinese Methods of Solving the Congruence Problem

Weixing Niu | Lunar Apogee: A Greek Astronomical Concept in China

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 1

Pan Yue | Al-Bīrūnī’s criticism on Indian Cosmography in his “India”

Christopher Cullen | New light on the conflict between European, Islamic and Chinese astronomical traditions in late 17th century China

Osman Süreyya Kocabaş | An Extenuated Treatise about Comets and The Pre-Modern Ottomans' classical scientific Explanation of Comet

Anna Jerratsch | The Role and Functions of Visuals in Early Modern Cometary Tracts

Symposium 3

Symposium 3 has been canceled

Symposium 4

Euclid's Elements from the West to the East

SATURDAY, SEPTEMBER 14, 2019

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 4

Mao Dan | Study on 1533 Greek First Prints of Elements: Terminologies and Compares

Tian Chunzhi | Viewing Pacioli's Study of Euclid's Elements from Summa

Kostas Nikolantonakis | The Elements and their transmission

Evening Session | 18:00-20:00

Venue: Marasleio Room 4

Cao Jingbo | Studies on the commentaries in Billingsley's English Element 1570

Ji Zhigang | How Did the Knowledge of Geometry Affect China: A Cultural Interpretation of Ricci' Preface of Jihe yuanben

Symposium 5

International Contacts of Soviet Science

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 4

Helmuth Malonek | Arshak Tonyan (1888-1942) and the rise of Mathematics in the 1919 founded University of Yerevan

Hiroshi Ichikawa | The "Unsurmountable Wall": The Radiation Effect Study in the Soviet Union in the late 1950s and the Early 1960s.

Hirofumi Saito | International Genetics Symposia in Kyoto and Tokyo 1956: Reconsidering Japanese Mendelian Geneticists' Contacts with Soviet-Lysenkoite Delegation

Noon Session | 11:30-13:30

Venue: Marasleio Room 4

Koji Kanayama | A Japanese Physicist Meets with Soviet Natural Philosophy: SAKATA Shoichi (1911-1970) and Dialectical Materialism

Sergey Shalimov | International Contacts of Soviet Geneticists from the 1960s through the 1980s

Alexander Sorokin | "Per Aspera ad Astra": International Academic Contacts of Tomsk Physicists during the Soviet era.

Symposium 6

Agricultural Diffusion Around the World

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: NHRF Auditorium

Wang Jianan and **Wang Hui** | Fishing Gear, Fishing Boat, and Marine Culture: the evolution of sea farming technology

Yu Dong | The slow adoption of wheat agriculture in the late Neolithic and Bronze Age China

Chen Zhi-Guo | Exploitation, Protection, Development, and Utilization of Litchi Resources in Zengcheng from the Perspective of Agricultural Cultural Heritage

Han Ning-yu, Zhang Zhe and **Siming Wang** | Art wake up native land: the wisdom road that inherits the spirit of agricultural culture

Noon Session | 11:30-13:30

Venue: NHRF Auditorium

Siming Wang | China's Four Great Inventions in Agriculture: The influence of Chinese Traditional Farming upon the Development of the World

Wei Luling | The Distribution, Knowledge, and Usage of Giant Silkworms in South China

Wenliang Hu | Introduction, Diffusion and Its Driving Factors of Jackfruits Production in China

Xin-Sheng Li | The Introduction and Spread of the Pumpkin in China

Afternoon Session | 15:30-17:30

Venue: NHRF Auditorium

Yongsheng Tong | On the Structure of Animal community and Ecological Environment in Inner Mongolia petroglyph: the case of comparison between Yinshan and Ulanqab petroglyph

Ni Genjin | On the Research and Spreading of Cassava in South China During the Anti-Japanese War

Liu Xinqiu | The Origin of Tea and Diffusion of Tea Drinking Culture in the World

Siming Wang and **Xinsheng Li** | Sources and Dissemination of information about Chinese Deforestation in the American President's Annual Message to Congress in 1908

Symposium 7

International Journals with a Wide Coverage, Serving as Mirrors of Science in Different Cultures and Civilizations: Five Case Studies Presented by the Editors

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 1

Michela Malpangotto and **H. Floris Cohen** | International Journals with a Wide Coverage Serving as Mirrors of Science in Different Cultures and Civilizations: Five Case Studies, Presented by the Editors

Efthymios Nicolaidis | Almagest: la publication d'une revue internationale sans soutien institutionnel

H. Floris Cohen | The journal Isis: experiences and guidelines

Noon Session | 11:30-13:30

Venue: Marasleio Room 1

Sven Dupré | Journal for the History of Knowledge: A New Journal, Open Access, and Peer Reviewed

Koen Vermeir | Centaurus: vision and implementation

Michela Malpangotto | The Archives Internationales d'Histoire des Sciences: how to renovate an illustrious tradition?

Symposium 8

In Foreign Lands: The Migration of Scientists for Political or Economic Reasons

THURSDAY, SEPTEMBER 12, 2019

Afternoon Session | 15:30-17:30

Venue: NHRF Seminar Room

Eberhard Knobloch | Euler in St. Petersburg and in Berlin

Maria Teresa Borgato | J.-L. Lagrange's mathematical life in Berlin and Paris

Dmitri Gouzevitch | Les frères Delisle en Russie, ou les Victimes de l'historiographie et du scorbut

Christine Phili | A Corfiot Scientist in the Russian Empire: The case of Nikephoros Theotokis (1731-1800)

Evening Session | 18:00-20:00

Venue: NHRF Seminar Room

Alessandra Fiocca | R.G. Boscovich from Rome to Paris through Pavia

Maria Giulia Lugaresi | Boscovich and the matter about the Mediterranean harbors

Irina Gouzevitch | Augustin Betancourt entre l'Espagne et la Russie : les pérégrinations européennes d'un expert technique savant des Lumières (fin du XVIIIe – début du XIXe siècle)

Luigi Pepe | Friends of France: Italian Mathematicians in Exile between the Eighteenth and Nineteenth Centuries

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: NHRF Seminar Room

Ana Cardoso de Matos | La mobilité des experts dans le monde et la diffusion des connaissances scientifiques sur les barrages : les cas d'André Coyne (1891-1960) et d'Alfred Stucky (1892-1969) au Portugal

Laurent Mazliak and **Thomas Perfettini** | So far and yet so close. The exile of Russian mathematicians in Paris in the 1920s

Sergei Fokin | Roads of Russian zoologists-emigrants

Antoni Roca-Rosell | Aldo Mieli (1879-1950) and the origin of the history of science in Spain. From the set up to the dissolution of the Spanish Group

Noon Session | 11:30-13:30

Venue: NHRF Seminar Room

Annette Vogt | Mathematicians and their escape from Nazi Germany and Europe (1933-1939/45)

Martina Bečvářová | Czechoslovakia – a good place to live in? (immigration and emigration from the point of view of mathematicians)

Erika Luciano | Jewish intellectual diaspora and the circulation of mathematics: Alessandro Terracini in Argentina (1939-1948)

Afternoon Session | 15:30-17:30

Venue: NHRF Seminar Room

M.J. Ratcliff | One-way circulation from Nazi Europe to free countries: Jean Piaget help to Jewish female psychologists during WWII

George N. Vlahakis | "Physical chemistry in Greece before and after World War II as a case study for the role of politics on science and scientists"

General Discussion | The migration of scientists in the globalized world

Symposium 9

Retrospect and Prospect: History of Science and Technology in China

THURSDAY, SEPTEMBER 12, 2019

Afternoon Session | 15:30-17:30

Venue: NHRF Auditorium

Xiaowu Guan | A Brief Review of Study on Ancient Carts in Pre-Qin Period of China in the Past 100 Years

Lifang Lei | Xu Baosheng and his Curved Mold Caster

Shi Ke and **Yong Mei** | Study on the Production Craftsmanship of Special Funerary Objects with Chain Unearthed from the Tomb of Princess of State Chen of Liao Dynasty

Yu Liu | Out of the Fiery Furnace: Casting Technology and Bronze Production in Late Shang dynasty China

Evening Session | 18:00-20:00

Venue: NHRF Auditorium

Jinyan Liu | The Genesis of Mao-Particle (Straton): the Chinese search for Hadron's structure in the 1960s

Huang Xing | Review and Progress of the Origin Studies on the Compass in China

Diana Saveleva and **Liu Jinyan** | A. Ioffe and the Society of physicists of China: a history of cooperation

Danian Hu | The Western Influence in the Chinese Criticism of Relativity during the Cultural Revolution

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: NHRF Auditorium

Liang Li | From Theory to Practice: Mathematical Astronomy in Pre-modern China

Eun Hee Lee, Byeong-Hee Mihn and **Go-Eun Choi** | The astronomical exchange between China and the Islamic world during the Yuan and Ming Dynasty: Focusing on the exchange of calendrical science

Tian Miao | The study of the history of mathematics in China in globe perspective

Yibing Fang | Who was the protagonist? Rethinking the history of mining and metallurgy technology in 19th-century China

Noon Session | 11:30-13:30

Venue: NHRF Auditorium

Baichung Zhang | A Review of the Reconstruction of the Astronomical Clock-tower

Yunli Shi | The Chongzhen-Reign Treaties on Calendrical Astronomy and Beyond

Yahua Niu | Researches on the history of Chinese anatomy in the last 100 years

Wei Chen | The 3 stages of studies on the history of scientific and technological trans-cultural diffusion by Chinese scholars

Afternoon Session | 15:30-17:30

Venue: NHRF Auditorium

Meifang Zhang | Women's Magazine and the scientific enlightenment for women in the Republic of China

Lie Sun | Problems and progress in the Research on the History of China's Modern and Contemporary Military Technology

Tatiana Feklova | The historiography of the Russian Orthodox mission history in Beijing in 19 century

Yuanming Song | The Exchanges of Agricultural Knowledge between America and China – A Case Study of Franklin Hiram King and His Works

Symposium 10

Science in Different Ancient, Medieval and Early Modern Cultures and Contexts

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 2

Max Leventhal | Arithmetic and Aesthetics in Classical Antiquity

Noa Naftalovich | Geometry and Regularities in Greek Artifacts and Architecture

Arthur Harris | Language, diagrams and analogy in the Peripatetic Mechanical Problems

Noon Session | 11:30-13:30

Venue: Marasleio Room 2

Olivier Defaux | Ptolemy's Geography: new methods of philology and stemmatology of ancient scientific texts

Gerd Grasshoff | Literate History of Science: a computational approach to reconstruct content in the history of ancient sciences.

Boris Farber | 55 Year-long Experiment Inspired by Leonardo Da Vinci

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 2

Daqing Zhang | Medical Education in Tang Dynasty

Gianna Katsiampoura | School of Magnaura. Science education in the mid-Byzantine era

Argyro Lithari | Proclus and the tradition of late Greek astronomy

Alberto Bardi | Early Science in Byzantium: Epistemic Value of Astronomy in Fourteenth-Century Constantinople

Symposium 11

Studies on the History of Metrology Development in China and the West

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 2

Konrad Herrmann and **Guan Zeng-jian** | Technological characteristics in the comparison of the metrological development in China and the West

Jie Ren and **He Zhaoquan** | A Preliminary Research on the Relation between Agriculture and Time Metrology in Traditional Society of China

Weihua Ma | The Transformation of Manchu's Metrology During the Early Qing Dynasty

Noon Session | 11:30-13:30

Venue: Marasleio Room 2

Yuyu Dong | A Study on Li Xu's (李煦) Criminal Case about the Serious Tax Deficit in Silver and Grain in the Qing Dynasty

Rina Sa | The Study on the Transmission of Traditional Chinese Metrological Knowledge Spread to Japan

Guan Zeng-jian | On the Historical Development of Chinese Metrology

Symposium 12

The Material Culture of Nuclear Diplomacy

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 3

Kenji Ito | A Two-Sided Study of Diplomacy over Nuclear Material: The Shipment of Radioisotopes from the United States to Japan in 1950

Shinsuke Tomotsugu | The Beginning of Japanese Atoms for Peace Cooperation toward Asian Countries

Hsiu-Yun Wang | The Mobile Laboratory in Taiwan in 1960s

Florence Fröhlig | Fessenheim – a nuclear power plant for peace

Noon Session | 11:30-13:30

Venue: Marasleio Room 3

Maria Rentetzi | Godofredo and Francoise Travel Together: Science Diplomacy and the Material Culture of the IAEA

Clara Florensa | Radioactive Materials, Nuclear Diplomacy and Construction of Invisibility of Nuclear Risk in the Palomares Accident (Spain 1966)

Ana Romero de Pablos | Spanish Uranium: a Round Trip

Loukas Freris, Mirto Dimitrokali and **Maria Rentetzi** | The Materiality of Science Diplomacy: The Use of Film Badge Dosimeters for Personnel Monitoring in Post-War Greece

Symposium 13

The Mathematical Astronomies' Exchange and Cooperation between Medieval Islam and China on the Silk Road

SATURDAY, SEPTEMBER 14, 2019

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 1

Dongyan Han | Islamic Astrology and the Zodiac in China: a preliminary study in Ming-yi Tianwen-shu

Liping Ma | Records of Sun, Moon, and Planets in Ming Shilu

Dalong Lu | The Solar and Lunar Theories in Qizheng Tuibu

Evening Session | 18:00-20:00

Venue: Marasleio Room 1

Fung Kam Wing | The Marāghah Observatory and the Transmission of Illustrated Islamic Treatises on Scientific Instruments to China, 1250-1560

Yunli Shi | From Scientific Understanding to Cultural Fantasy: The Chinese Image of Arabic Astronomy in the Ming and Qing Era

Degang Yi | Traditional Archery Technology and Culture Exchange between Medieval Islam and China on the Silk Road

Symposium 14

Theories and practices of measurement in ancient sciences

SATURDAY, SEPTEMBER 14, 2019

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 3

Mathieu Ossendrijver | New evidence for Late Babylonian metrological practices

Anette Schomberg | Counting the stars and measuring the water – the invention of clocks, hours and a calendar in ancient Egypt

Olivier Defaux | From shipping routes to the map of the world: time and distances in Ptolemy's Geography

Evening Session | 18:00-20:00

Venue: Marasleio Room 3

Fabio Guidetti | The invention of latitude: Eudoxus' measurement of the 'inclination of the universe'

Richard Talbert | Roman Exceptionalism? Concern to Know the Hour

Isabelle Draelants | Nemroth mesuravit omnem causam celi per suum intellectum: Number and Measurement of the Universe in the Liber Nemroth

Symposium 15

Tradition and Innovation in Mathematics in Late Antiquity and the Middle Ages

SATURDAY, SEPTEMBER 14, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 5

Ahmed Djebbar | Les mathématiques grecques en Occident musulman: L'exemple des Éléments d'Euclide et de l'Introduction arithmétique de Nicomaque

Michalis Sialaros and **Jean Christianidis** | Rhetoric of Mathematics: The Case of Diophantus of Alexandria

Dora Touliatou | Indeterminate analysis in the “heronian” corpus? A new reading of problems 24.1-13 of Heron’s Geometrica

Ioanna Skoura | Computus ecclesiasticus in Byzantium

Noon Session | 11:30-13:30

Venue: Marasleio Room 5

Abdelmalek Bouzari | La géométrie des Coniques en Occident musulman

Athanasia Megremi | Problem solving tradition and Diophantine legacy in Greek Arithmetic: testimonies from the Anthologia Palatina

Ezzaim Laabid | Les procédés mathématiques utilisés dans la résolution des problèmes des héritages en occident musulman (XIe-XVe s) : entre tradition et innovation

Alain Bernard | Theon’s commentary on the Almagest, as series of problems

Symposium 16

University Science in Russia in the 19th to 21st Centuries: the Regional Dimension

SATURDAY, SEPTEMBER 14, 2019

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 5

Galina Krivosheina | How to do away with “bourgeois science”: A story of scientific societies in Russia

Dmitry Khaminov | Regional Corporation of Soviet historians: society, state, authorities (the case of Siberia)

Vasilii Mironov | The specifics of the development of geology in Soviet and post-Soviet universities.

Evening Session | 18:00-20:00

Venue: Marasleio Room 5

Sergei I. Fokin | Wladimir T. Schewiakoff – scientist, teacher, science organizer

Mikhail Gribovskiy | The “Third Role” of Universities of the XIX – beginning of the XX century: Realization of the Social Mission in Imperial Russia

Alexander Sorokin | University model of development of science on the example of Tomsk universities in the Soviet period

Symposium 17

Des Grecs, des Arabes, et des Latins à nous autres du XXI^e siècle:
Usages et contre-usages culturels et mathématiques de l'infini

FRIDAY, SEPTEMBER 13, 2019

Morning Session | 09:00-11:00

Venue: Marasleio Room 3

Jean Dhombres | Des Grecs, des Arabes, et des Latins à nous autres du XXI^e siècle

Vincent Jullien | A philosophical solution for a difficult mathematical problem?

Anabel Jauregui | Antoine Arnauld's theory of proportions and his geometry of infinity

Carlos Alvarez | The point at infinity and its key role in projective geometry

Symposium 18

The Continuity and Disruption of Medicine

FRIDAY, SEPTEMBER 13, 2019

Evening Session | 18:00-20:00

Venue: NHRF Seminar Room

Ren Yi | Dr. Lieou Yong-choen, "the Father of BCG in China": Circulating and (re)producing of Medical Knowledge in the Modern French Empire

Gao Xi | New science? Or old skill? When the western scientist encounters to the Chinese medicine

Shuijan Zhang | Technological and Political Function of Acupuncture in the National Discourse System of China: Taking People's Daily as the Center (1946-1986)

Yuan Yuan | Essentialness and Practicalness: How to Recognize Body for East-west-dissolvence Schools of Chinese medicine Physicians in Modern Times

Stand-alone Papers

FRIDAY, SEPTEMBER 13, 2019

Topic: Methodological Approaches in the History of Science and Technology | Chair: **Kostas Skordoulis**

Morning Session | 09:00-11:00

Venue: Marasleio Room 4

Theodore Arabatzis | Explaining Science Historically

Sigrid Leysen | Moving Perception. On Material Culture and Media in the History of Perception Research

Lilla Vekerdý | History of Science Research Resources in the Smithsonian Libraries
Henk Kubbinga | Atoms and molecules in history from a global point of view

Noon Session | 11:30-13:30

Venue: Marasleio Room 4

Hajime Inaba | The tool of sum-over-states: Research and pedagogy in statistical mechanics, 1902–1944

Kostas Skordoulis | Science And Hegemony In Gramsci's "Prison Notebooks"

Zeng Huafeng, Huang Boyao, Yang Aihua, Zhao Jingjing and **Cheng Baihua** | Rational Thought on Disruptive Technology

Topic: Interdisciplinary Perspectives in the History of Science and Technology | Chair: **Alexandra Sfoini**

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 6

Constantin Canavas | Travelling rhinoceroses: Peregrinations across cultures, politics, science, art, and commerce

Tatyana Filippova | The role of the scientific community of Russia in the creation of the object of World Natural Heritage of UNESCO "Virgin Forests of Komi"

Effie Lambropoulou | The presence of pseudoscientific ideas in the Greek press of the 19th century

Evening Session | 18:00-20:00

Venue: Marasleio Room 6

Evangelia Chordaki and **Antigoni Lazopoulou** | Women's engagement in science: The case of Greek Feminist Movements for abortion and contraception in the 1970s

Alexandra Sfoini | Sciences, langues et traductions pendant les Lumières néohelléniques

Maria Terdimou | Euclid in Greek modern poetry

Topic: Medicine and Biology | Chair: **Andreas Vourtsis**

Noon Session | 11:30-13:30

Venue: Marasleio Room 3

Ian Davis | Headache Palliatives from Dioscorides and Evaluation of their Possible Efficacy

Alicia Grant | 18th-century variolation (smallpox inoculation) and western changes to its eastern origin

Hamid Hachelafi | La perception socio-historique dans les sciences de la santé. Epilepsie, comme modèle d'étude

Dominique Steinmetz | La Peste : regard sur la troisième pandémie

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 3

Maria Zarifi | Transcultural features of modernity in 19th century Greek medical science and public health

Andreas Vourtsis and **Eleni-Ersi Bakou** | The creation of the Hellenic Pasteur Institute in Interwar Greece: Zaharoff, Venizelos and the French connection

Ana Barahona | Entangled histories: karyotyping and populations genetics in Cold War Mexico. Salvador Armendares and Rubén Lisker characterization of child and indigenous populations, 1960s-1980s

Evening Session | 18:00-20:00

Venue: Marasleio Room 3

Liu Bing | The History of the Establishment of New Zhuang Medicine and the Construction of its Core Theory of “Three Ways and Two Roads”

Chen-Jong Lan | “Cholera” in Chinese and Western medicine reference

Jingjing Su | Polyclinics in 1950s China: Medicine and Politics

Topic: Mathematics and Astronomy | Chair: **Ioannis Kalogerakos**

Morning Session | 09:00-11:00

Venue: Marasleio Room 5

Jean Michel Delire | Euclid's Elements, from Alexandria to China, via India – especially India

Foued Nafti | The Algebra of al-Karaḡī (10th-11th c.): circulation and novelty

Mahmoud Al-Hamza | О математике в арабо-исламской цивилизации

Alexei Volkov | The didactic dimension of pre-modern Chinese and Vietnamese mathematical treatises

Noon Session | 11:30-13:30

Venue: Marasleio Room 5

Ioannis Kalogerakos | The Unity of Being in Aristotle's Physical Universe

Xenophon Moussas | Antikythera Mechanism: was it a clock? Similar instruments

Elias Gourtsoyannis | Hipparchos vs Ptolemaeos and the Antikythera Mechanism: Pin-Slot Device Parameter directly linked to the eccentricity of the Moon's orbit around the Earth

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 5

Nadia Ambrosetti | Le figure degl'Indi or The Spread of the Algorismi

Wieslaw Wójcik | Jan Śleszyński's study of the foundations of mathematics

Stanislaw Domoradzki, Mykhaylo Zarichnyy and **Malgorzata Stawiska** | Diverse faces of mathematical Lwów between two world wars

Topic: Lives and Works of Scientists | Chair: **Sandy Sakorafou**

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 2

Wang Gong and **Yang Jian** | Joseph Needham and nutrition research in China during WWII

Jan Vandersmissen | Entanglements of history of science and Egyptology: Frans Jonckheere and the upcoming study of ancient Egyptian medicine in Belgium (1930-1956)

Maija Kallinen | Traveling for Knowledge: Pehr Kalm and the Linnean enterprise of collecting

Erwin Neuenschwander | Three case studies of mathematicians in the Third Reich: Bessel-Hagen, Hausdorff, and van der Waerden

Evening Session | 18:00-20:00

Venue: Marasleio Room 2

Luiz Carlos Soares | Trading the Newtonian Science in Eighteenth-Century England – The Trajectory of Benjamin Martin as Itinerant Lecturer and Scientific Instrument Maker

Aihua Yang | On Tseng Kuofan's Practices of Science and Technology

Frank James | Constructing Humphry Davy's Biographical Image

Pablo Lorenzano | The Crystallization of the First Research Programme in Genetics: Bateson's "Mendelism"

Topic: Physics | Chair: **Kostas Tampakis**

Afternoon Session | 15:30-17:30

Venue: Marasleio Room 4

X. Moussas, K. Athanasaki, G. Marakis, S. Mandalaki and **E. Kountouri** | Ancient Greek Optical instruments, Lenses, Mirrors and Complex Systems

Vasiliki Christine Christopoulou | Lord Rayleigh versus Werner von Siemens on the determination of the Ohm

Grigoris Panoutsopoulos and **Theodore Arabatzis** | Revisiting the Crisis in High Energy Physics

Evening Session | 18:00-20:00

Venue: Marasleio Room 4

Photis Dais | The impact of Gibbs' and Duhem's approaches to thermodynamics on the development of chemical thermodynamics

Roberto Lalli | Crafting Europe from CERN to Dubna: The diplomatic function of physics in the foundation and early activities of the European Physical Society, 1965-1973

SATURDAY, SEPTEMBER 14, 2019

Topic: Local Aspects of the History of Science and Technology | Chair: **Dimitris Kilakos**

Morning Session | 09:00-11:00

Venue: NHRF Seminar Room

Zhiqiang Wang | Historiography on History of Meteorological Science in China and the Enlightenment of Civilization

Zhenghong Chen | Study and Enlightenment on Genealogy of Chinese Atmospheric Science for the History of Science in the 20th Century

Fan Xiaojuan | Social Assessment Analysis of Urban Construction Engineering in Erdos

Hang Zhang | A Study on the Translation and Communication of American Journal Popular Science Monthly in the Republic of China (1912-1949)

Noon Session | 11:30-13:30

Venue: NHRF Seminar Room

Fuling Nie and **Guo Sheng** | Knowledge Communication and Integration of “電” and “Electricity” in Chinese and Western Culture

Elena Sinelnikova | Social and Numerical Composition of Petrograd-Leningrad Scientific Societies in the 1920s: the Government Regulation and Control

Dimitris Kilakos | The institutionalization of philosophy as a science in the Soviet Union

Nadezhda Slepikova | The Zoological Museum in St. Petersburg and the development of the taxonomy: 300 years of changes

Afternoon Session | 15:30-17:30

Venue: NHRF Seminar Room

Nicolas Nio | The teaching of electromagnetic theories in engineering schools in France in the late nineteenth century.

Milada Sekyrkova | Nations for themselves or knowledge across the monarchy? Universities of the Habsburg Monarchy before the WWI

Carlos Filgueiras | Chemistry and Colonial Brazil

Aline de Oliveira Coelho | From artifact to quantum: the evolution of the International System of Units and the communication of its revision in Brazil

SUNDAY, SEPTEMBER 15, 2019

Topic: Science and Religion | Chair: **Sandy Sakorrafou**

Morning Session | 09:00-11:00

Venue: NHRF Auditorium

Bettina Bock von Wülfingen | Religion in Diagrammatic Traditions – Cosmologies in Color in Metabolic Maps

Meropi Morfouli and **Dimitris Petakos** | The beginning of the end: Natural philosophy & Metaphysics in early 18th century

Mirela Altic | Jesuit mapmaking in Americas as Transcultural Encounters or Why did the Jesuits Become so Successful Cartographers?

Kostas Tampakis | Science, Theology, and Nationalism in Greece (1830-1930)

Topic: Science and Exploration | Chair: **Efthymios Nicolaidis**

Morning Session | 09:00-11:00

Venue: NHRF Seminar Room

Carlos Hugo Sierra | Ez Ikusi, Ez Ikasi (“Do Not See, Do Not Learn”). The Scientific Adventure Of Antoine D’abbadie

Alexandra Brovina | Russian science in the Arctic: the study of the Novaya Zemlya archipelago in the late XIX – early XX centuries

Michael J. Neufeld | Exploring Pluto and Europa: The U.S. Planetary Sciences and Politics, 1989-2019
