Event programme - list

If you have any comments or questions directly to the programme, please contact us at abstracts.ichst2021@guarant.cz

All the times indicated are in Central European Summer Time CEST (UTC+2)

Sunday, July 25, 2021 17:00 – 17:50

Virtual Hall 1
Welcome Speeches, Opening

Chair: Petr Svobodny, Milada Sekyrkova, Mike Osborne, Juliane Mikoletzky

Michael Osborne (United States)
Tomas Zima (Czech Republic)
Juliane Mikoletzky (Austria)
Petr Svobodny (Czech Republic)

Sunday, July 25, 2021 18:00 – 20:00

Virtual Hall 1
Plenary Symposium Pandemics, science, and society - ID 318

Symposium organizer: Michael Osborne, Marcos Cueto

18:00 - 18:30  What is an epidemic?  Warwick Anderson
ID: 852

18:30 - 19:00  Bolsonaro’s chloroquine: science, pandemic, and pandemonium in Brazil  Marcos Cueto
ID: 716

19:00 - 19:30  Genetic engineering and prospects for living in a pandemic  Luis Campos
ID: 388

19:30 - 20:00  Commentary  Mary Brazelton
ID: 665

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 1
Virtual Hall 1
Symposium Social factors in the passage from invention to technological system (ICOHTEC) - ID 161
Symposium organizer: Susan Schmidt-Horning, Jan Musekamp
Chair: Jan Musekamp

<table>
<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 - 10:25</td>
<td>531</td>
<td>Making an invention known. Importance of the socio-economic network in the innovation processes concerning architectural terracotta, France, 19th century</td>
<td>Cyril Lacheze</td>
</tr>
<tr>
<td>10:25 - 11:00</td>
<td>532</td>
<td>Processes at work in the emergence and militarization of a technological system: seaplanes in France in the 1910s</td>
<td>Marion Weckerle</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>936</td>
<td>Clean and save food for the urban consumer: the modernization of yoghurt production</td>
<td>Elitsa Stoilova</td>
</tr>
</tbody>
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Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 2
Symposium The perils of prediction (DHST- DLMPST Joint Commission) - ID 349
Symposium organizer: Theodore Arabatzis, Ana Simões
Chair: Theodore Arabatzis

<table>
<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:00 - 10:30</td>
<td>776</td>
<td>Prediction in and about science</td>
<td>Hasok Chang</td>
</tr>
<tr>
<td>10:30 - 11:00</td>
<td>627</td>
<td>Engineering, prediction, and mathematics</td>
<td>Johannes Lenhard</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>757</td>
<td>The perils of predicting complex systems: And what we can do without prediction</td>
<td>Miles MacLeod</td>
</tr>
<tr>
<td>11:30 - 12:00</td>
<td>593</td>
<td>The many faces of prediction. Lessons from the various astronomical expeditions organized in the 1910s to test Einstein’s light bending prediction</td>
<td>Ana Simões</td>
</tr>
</tbody>
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Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 3
Symposium (Part 1/2) Giants and dwarfs in the transformations of mathematics in the XVIII century - ID 1006
Symposium organizer: Davide Crippa, Maria Rosa Massa Esteves
Chair: Davide Crippa

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:00 - 10:30</td>
<td>480</td>
<td>Updating and innovation in Mathematics at the beginnings of the Spanish College of Artillery (1764-1808)</td>
<td>Juan Navarro-Loidi</td>
</tr>
<tr>
<td>10:30 - 11:00</td>
<td>582</td>
<td>Pasqual Calbó, a Minorcan scientist-artist, and his mathematical course (c. 1800)</td>
<td>Antoni Roca-Rosell</td>
</tr>
<tr>
<td>11:00 - 11:30</td>
<td>599</td>
<td>Reflections from mixed mathematics to physic mathematics in Spanish eighteenth century</td>
<td>Maria Rosa Massa Esteve</td>
</tr>
</tbody>
</table>
Virtual Hall 4
Session I (Part 1/2) - History of Astronomy
Chair: Carla Almeida

10:00 - 10:20
ID: 997
**Diversifying modern astronomy: a history of academic activism**
Jörg Matthias Determann

10:20 - 10:45
ID: 1070
**The Reconstruction of a Working Model of Heumgyeonggak-nu, Astronomical Clock**
SANG HYUK KIM

10:45 - 11:05
ID: 1175
**Eclipse in the 19th century Ottoman applied source**
Solmaz Ceren Özdemir

11:05 - 11:25
ID: 1139
**A Phylogenetic Appraisal of the Concept of Celestial SPHERE**
Mohammad-Mahdi Sadrforati

11:25 - 11:45
ID: 1061
**A Survey of the First Persian Book in Modern Astronomy in Iran: Mas’ūd Anṣārī's A Summary of Astronomy (1819)**
Mohammad-Hossein Poorabbas

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 5
Symposium Science and Religion from an angle - ID 166
Symposium organizer: Jaume Navarro, Kostas Tampakis

Chair: Jaume Navarro

10:00 - 10:30
ID: 186
**'Our English science’: science and religion in an imperial context**
Stuart Mathieson

10:30 - 11:00
ID: 229
**Catholics and national identity in modern Germany**
Jeffrey Zalar

11:00 - 11:30
ID: 1312
**Darwin’s Greek ancestors: Evolution, communism and nationalism in Greece (1880-1940)**
Kostas Tampakis

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 6
Symposium (Part 1/5) Science and literature in small and large scales (Commission on Science and Literature)-ID 248
Symposium organizer: George N. Vlahakis, John Holmes

Chair: John Holmes

10:00 - 10:30
ID: 722
**‘A Lord of the Rings-type world’: J.R.R. Tolkien and the paleoanthropological imagination**
John Holmes

10:30 - 11:00
ID: 999
**‘To discerne the Lyon by his paw’ – Imitation and plagiarism in early modern English science**
Barbara Bienias

11:00 - 11:30
ID: 1009
**Illustrated scientific instruments books in late Qing: popular science, social fashion and trade**
Hao Chang

Monday, July 26, 2021 10:00 – 12:00
Virtual Hall 7
Session II (Part 1/3) - Biological Sciences - History of Zoology

Chair: Petr Hampl

10:00 - 10:30  
ID: 1204  
A global history of zoos in the long nineteenth century  
Oliver Hochadel

10:30 - 11:00  
ID: 1130  
In multis una: Professionalization of wildlife zootechnics as a scientific practice in the zoological gardens' system of Mexico City  
Hugo Dominguez Razo

11:00 - 11:30  
ID: 1163  
May the peripheries lead us to the center: interwar Japanese zoology in Micronesia  
Lisa Yoshikawa

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 8
Symposium Re-imagining imaginaries. Rethinking our stories - ID 431

Symposium organizer: Gemma Cirac-Claveras, Flavio D'Abramo

Chair: Gemma Cirac-Claveras

10:00 - 10:30  
ID: 701  
Aircrafts, ships and satellites. Space sciences as field sciences  
Gemma Cirac-Claveras

10:30 - 11:00  
ID: 829  
Human technologies and social policy: alternative sociotechnical imaginaries of mindfulness in the UK  
Stephen Morris, Flavio D'Abramo, Gerardo Ienna

11:00 - 11:30  
ID: 864  
Health diplomats and scientific experts on the verge of contagious breakdowns  
Colin Williams

11:30 - 12:00  
ID: 872  
The Frankenstein complex: historical imaginaries of cybernetics and cyborgs, and contemporary imaginaries of artificial intelligence and robots  
Colin Williams

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 9
Session III (Part 1/3) - Geography

Chair: Marek Ďurčanský

10:00 - 10:20  
ID: 1254  
Giants and dwarfs among geographical societies in the "long" 19th century  
Maximilian Georg

10:20 - 10:40  
ID: 1107  
The Role of Academician F.N. Chernyshev (1856-1914) in the Research of the Arctic  
Tatyana Filippova, Carlos Hugo Sierra

10:40 - 11:00  
ID: 1002  
Ez ikusi, ez ikasi ("do not see, do not learn"). The scientific adventure of a polymathic savant: Antoine D'abbadie  
Carlos Bovolo

11:00 - 11:20  
ID: 1073  
"L'uomo e le scimie": Filippo De Filippi between evolution, expeditions, and science popularization  
Carlo Bovolo
Virtual Hall 9  
11:20 - 11:40 "Leaving some wiggle room" and "pursuing cooperation": the China-US scientific and technological exchanges on earthquake prediction during 1971-1979
ID: 1067 Jingfei Zhang

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 10  
Symposium (Part 1/3) The Greek and medieval Ptolemy (CHAMA) - ID 91

Symposium organizer: Benno van Dalen, Nathan Sidoli  
Chair: Nathan Sidoli, David Juste, Benno van Dalen

10:00 - 10:30 Theodosius' /Spherics/ and Ptolemy’s spherical astronomy
ID: 331 Nathan Sidoli
10:30 - 10:55 Ptolemaeus Arabus et Latinus in 2021: achievements and outlook
ID: 156 David Juste
10:55 - 11:30 The dissolution of the carrying sphere in Ptolemy’s Planetary Hypotheses and its reception in the medieval Arabic tradition
ID: 111 Paul Hullmeine
11:30 - 12:00 Traces of the unrevised translation of the Almagest by Ishāq ibn Hunayn
ID: 134 Pouyan Rezvani

Monday, July 26, 2021 10:00 – 12:00

Virtual Hall 11  
Symposium (1/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 124

Symposium organizer: Barton C. Hacker, Ciro Paoletti

10:00 - 10:30 Collaborating hands: artisan, scholar, and the techniques of prototyping in 17th-century Korea
ID: 985 Hyeok Hweon Kang

Monday, July 26, 2021 10:00 – 20:00

Virtual Hall 16  
Visit Virtual Lounges

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 1  
Session IV Engineering

Chair: Jan Mikeš, Marcela Efmerová

13:00 - 13:30 Capturing the dead: spirits, photography and the revival of the occult in Republican China (1912–1949)
ID: 1037 Luis Fernando Bernardi Junqueira
13:30 - 14:00 “Last hired, first fired”: systemic racism and the enduring dearth of diversity in the cockpit
ID: 1100 Alan Meyer
Virtual Hall 1
14:00 - 14:30 **Giant challenge – dwarf solution: re-invention of the wheel in the Russian hinterland**
   ID: 1278  Svetlana Usenyuk-Kravchuk
14:30 - 15:00 **Finding the right engineer: the process of selecting technicians to work in France, 1944-1950**
   ID: 1266  Guillaume de Syon

**Monday, July 26, 2021 13:00 – 15:00**

Virtual Hall 2
Symposium Epidemic histories in southeast Asia (Pacific Circle) - ID 104
Symposium organizer: Warwick Anderson, Laurence Monnais
Chair: Warwick Anderson

13:00 - 13:30 **The sciences of disease prevention and the regulation of mobility in the Dutch East Indies (Indonesia)**
   ID: 853  Hans Pols
13:30 - 14:00 **Missions of mercy: trade routes and the dispersion of vaccination for smallpox in Southeast Asia**
   ID: 816  Claudia Michele Thompson
14:00 - 14:30 **Epidemic Invasions in the Democratic Republic of Vietnam**
   ID: 765  Michitake Aso

**Monday, July 26, 2021 13:00 – 15:00**

Virtual Hall 3
Symposium (Part 2/2) Giants and dwarfs in the transformations of mathematics in the XVIII century - ID 357
Symposium organizer: Davide Crippa, Maria Rosa Massa Esteves
Chair: Maria Rosa Massa Esteves

13:00 - 13:30 **Mixed and applied mathematics in 18th century Prague**
   ID: 354  Davide Crippa
13:30 - 14:00 **A recently discovered text by Bolzano**
   ID: 689  Elías Fuentes Guillén
14:00 - 14:30 **Foundations in service of education: calculus textbooks in 18th century Prague**
   ID: 927  Jan Makovský
14:30 - 15:00 **Wendlingen: a Bohemian scientist in the Eighteenth Century Spanish Court**
   ID: 433  Joaquim Berenguer

**Monday, July 26, 2021 13:00 – 15:00**

Virtual Hall 4
Session V Cold War
Chair: Doubravka Olšáková

13:00 - 13:30 **Shaping Cold War science: The case of Herbert Simon and Hao Wang**
   ID: 1024  Javier Poveda Figueroa
Virtual Hall 4
13:30 - 14:00 One shall not kill the science. Kazimierz Petrusewicz and the attempts at the Łukasz stalinist transformation of the Polish academic field Bertram
ID: 884

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 5
Session VI (Part 1/3) - Academies, Societies, Laboratories and other Institutions

Chair: Martin Franc

13:00 - 13:30 Cooperative empires: Scientific societies in Vienna, imperial agents, and the “Orient” (1870–1914) Johannes Mattes
ID: 1208

13:30 - 14:00 Cooperation between Russia "Giants" and "Dwarfs" Scientific Centers in the Formation of a New Scientific and Educational Landscape in the First Years of Soviet Power Elena Sinelnikova
ID: 1098

14:00 - 14:30 To establish the Japanese society for history of science; two phases and historical backgrounds. Daishi OKADA
ID: 1186

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 6
Symposium Gas and electricity as an element of technological development in Latin Europe: technicians, processes, gas works, and networks (ICOHTEC) - ID 1314

Symposium organizer: Antonio Jesús Pinto Tortosa, Anna María Cardoso De Matos

Chair: Francesc X. Barca Salom

13:00 - 13:30 ENGINEERS AND TECHNICIANS IN LATIN EUROPEAN GAS INDUSTRY (1914-1945) Antonio J Pinto
ID: 1315

13:30 - 14:00 Gasworks in spain, the knowledge based in the technological diffusion FRANCESC X. BARCA-SALOM
ID: 1316

14:00 - 14:30 The adoption of the electricity in Barcelona at the nineteen century and the actuation of the gasworks Joan Carles Alayo Manubens
ID: 1317

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 7
Session VII (Part 1/2) - Biographies

Chair: Helena Durnová

13:00 - 13:30 “Narro, ergo sum” – Comparing autobiographical narratives in the history of Austrian science Sandra Klos
ID: 1116

13:30 - 14:00 Von Mises, Reichenbach, and Popper on the law of large numbers Hans Fischer
ID: 1249

14:00 - 14:30 Boscovich and Leibniz. A reappraisal Luca Guzzardi
ID: 1252
Virtual Hall 7
14:30 - 15:00 Some Research Directions Represented by N.D. Moiseev in his Monograph Essays on the Development of Stability Theory
ID: 1330

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 8
Symposium (Part 1/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 204
Symposium organizer: Janet Laidla
Chair: Alison Boyle, Alison Boyle

13:00 - 13:30 Transformations: Turning research experiments into teaching demonstrations
ID: 293
Peter Heering

13:30 - 14:00 Tracing the life of 19th century laboratories in Greek educational institutions through historical textbooks and archival documents
ID: 463
Flora Paparou

14:00 - 14:30 The impact of salih zeki's optical works on physics education in 20th-century ottoman turkey
ID: 394
Sena Aydin

14:30 - 15:00 Robert Pohl in Madras: German teaching instruments and practices in India
ID: 263
Roland Wittje

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 9
Session III (Part 2/3) - Geography
Chair: Marek Řurčanský

13:00 - 13:30 History of drought in Brazil: notes about the co-production of infrastructures, national policies and local realities
ID: 1068
Jean Carlos Hochsprung Miguel

13:30 - 14:00 Beyond Scientific Ingenuity: The discovery of the “Dansgaard-Oeschger Events” and its socio-political context
ID: 1086
Dania Achermann

14:00 - 14:30 Development of geomorphology in the USSR at the initial stage: scientific contribution of Innokentiy P. Gerasimov and Konstantin K. Markov
ID: 1145
Alexey Sobisevich

14:30 - 15:00 GIS-Mapping and Building Territorial Planning In Colombia
ID: 1129
Rodolfo Hernandez Perez

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 10
Symposium (Part 2/3) The Greek and medieval Ptolemy (CHAMA) - ID 92
Symposium organizer: Benno van Dalen, Nathan Sidoli
Chair: Benno van Dalen, David Juste

13:00 - 13:30 Tracing Arabic translations of the Almagest in al-Farghani’s Elements of Astronomy
ID: 113
Razieh-Sadat Mousavi
Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 10
Symposium (2/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 125
Symposium organizer: Barton C. Hacker, Ciro Paoletti

13:00 - 13:30 The trace italienne, a military innovation with dramatic consequences on the besieged. Jacopo Pessina
13:30 - 14:00 Italian imitations of French ordnance: an artillery revolution, or a logistical problem? Fabrizio Ansani
14:00 - 14:30 The siege warfare during the Italian Wars (1494-1559). Pessina

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 1
Symposium (Part 1/3) CHCMS (History of Chemistry and Molecular Sciences) - ID 912
Symposium organizer: Brigitte Van Tiggelen, Yoshiyuki Kikuchi
Chair: Xavier Roqué

15:30 - 16:00 Contributions of Central European chemists to the development of Brazilian chemistry in the 20th century. Letícia Pereira
Virtual Hall 1
16:00 - 16:30 Restructuring for Profit and Progress: Organizational Change in Centre des Recherches d’Aubervilliers (1953-2020) Marcin Krasnodębski
ID: 1299
16:30 - 17:00 ‘Nucleoproteins’ 1959 Solvay Conference on Chemistry: a scientific network and (bio)chemistry state’s case study in the late ’50s Yoanna Alexiou
ID: 1300
17:00 - 17:30 Local Tourism, Cultural Heritage and Chemical Sites in Japan's Chubu Region: The Role of Private Companies Yoshiyuki Kikuchi
ID: 1301

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 2
Symposium Expanding the range of statistical mechanics: from Poincaré and von Zeipel to Smoluchowski and Fowler - ID 21

Symposium organizer: Scott A. Walter, Tilman Sauer
Chair: Tilman Sauer

15:30 - 16:00 Stars as molecules: Poincaré and von Zeipel on globular clusters and the structure of the universe Scott A. Walter
ID: 47
16:00 - 16:30 From Statistical Mechanics to Random Fluctuations: Marian Smoluchowski’s Research Program, 1904-1917 Chen-Pang Yeang
ID: 328
16:30 - 17:00 The work on statistical mechanics by Ralph Fowler and his Cambridge group in the 1920s Martin Niss
ID: 189

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 3
Symposium (Part 1/2) Science and empire in the age of global history (Science and Empire Commission) - ID 538

Symposium organizer: Thomás A. S. Haddad, Jahnavi Phalkey
Chair: Jahnavi Phalkey

15:30 - 16:00 What can we learn from decolonial perspectives on colonial/decolonial sciences? Patrick Petitjean
ID: 828
16:00 - 16:30 Symposium 538: Science and empire in the age of global history Deepak Kumar
ID: 721
16:30 - 17:00 Migration, plantation, empires Cristiana Bastos
ID: 948
17:00 - 17:30 Of Mice and Snakes: a connected history of medicine in Brazil and India (1870-1914) Matheus Alves Duarte da Silva
ID: 915

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 4
Virtual Hall 4
Symposium (Part 1/5) Re-scaling & de-centering the history of oceanography: the ‘hidden figures’ and hidden dimensions of global ocean science (ICHO) - ID 448

Symposium organizer: Penelope Hardy, Cornelia Lüdecke

Chair: Penelope Hardy

15:30 - 16:00 An 'Indian' ocean? Marine biology and scientific authority in British India  
ID: 871  
Aviroop Sengupta

ID: 844  
Carmel Finley

16:30 - 17:00 Female Peruvian scientists in fishery science: The marine biologists of IMARPE, 1964-1982  
ID: 784  
Alejandra Osorio

17:00 - 17:30 Recovering hidden histories of marine and aquatic invasion biology  
ID: 843  
Christine Keiner

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 5
Session VI (Part 2/3) - Academies, Societies, Laboratories and other Institutions

Chair: Martin Franc

15:30 - 16:00 Nearly fallen giant: the case of the Russian Academy of Sciences, experiencing the impact of the new management reform  
ID: 1136  
Anna Fedorova

16:00 - 16:30 Emergence of Scientific Community in India: Role of Indian Science Congress Association, 1914-1947  
ID: 1196  
Sneha Sinha

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 6
Symposium (Part 1/4) The materiality of knowledge circulation between China and Europe: physical formats, epistemic genres, spatial localities (16th-18th century) (ISHEASTM) - ID 31

Symposium organizer: Huiyi Wu, Marta Hanson

Chair: Huiyi Wu

15:30 - 16:00 Towards a Cross-Cultural History of Eurasian Medicine: The State of the Field  
ID: 655  
Marta Hanson

16:00 - 16:30 Xu Shizhi and pulse diagnosis in eighteenth-century Naples  
ID: 281  
Henrietta Harrison

16:30 - 17:00 Tactility, pulse, and body knowledge in transit: John Floyer's reading of diagnostic touch in English and Chinese medicine  
ID: 53  
Yijie Huang

17:00 - 17:30 Crustaceans, crosses, and cures  
ID: 79  
Oana Baboi

Monday, July 26, 2021 15:30 – 17:30

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 7
Symposium Histories of materials: biographies, institutions, tools, across scale - ID 384

Symposium organizer: Arne Hessenbruch, Bernadette Bensaude-Vincent

15:30 - 16:00 Biography of materials Bernadette Bensaude-Vincent
ID: 971
16:30 - 17:00 Across scales in materials research Ellan Spero
ID: 979
17:00 - 17:30 Tools in the History of Materials Research Joseph Martin
ID: 921

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 8
Symposium (Part 2/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 205

Symposium organizer: Janet Laidla

Chair: Roland Wittje, Roland Wittje

15:30 - 16:00 Crossing the boundaries between instrument makers, science, and industry Christian Forstner
ID: 284
16:00 - 16:30 From Paris to Prague: Precision Tuning across Boundaries Pavel Šturm
ID: 478
16:30 - 17:00 Denis Papin’s Digester: a European history Marco Storni
ID: 1078
17:00 - 17:30 From steam engines to equatorial telescope mounts: Controlling power and crossing boundaries from 1780 to 1860 Richard Kremer
ID: 272

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 9
Symposium Sources and resources in history of science: does size matter? (CBD) - ID 329

Symposium organizer: Stephen P. Weldon, Gavan McCarthy

15:30 - 16:00 Revealing the invisible: human versus computational approaches to bibliographic discovery Stephen Weldon
ID: 925
16:00 - 16:30 Object and objectivity: archives as interpretation Venkat Srinivasan
ID: 401
16:30 - 17:00 A fragment of the dissemination of the history of science in the Baltic States - the conference Scientiarum Baltica Giedre Mikniene
ID: 403
17:00 - 17:30 Big data management and visualization: how can dwarves find a place among giants? Jose Luis Goldfarb
ID: 428

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 10
Virtual Hall 10
Symposium (Part 3/3) The Greek and medieval Ptolemy (CHAMA) - ID 90
Symposium organizer: Benno van Dalen, Nathan Sidoli
Chair: Alexander Jones

15:30 - 16:00 Greek texts by and related to Ptolemy recovered from the late antique palimpsest
ID: 168 Ambrosiana L 99 sup.
Victor Gysembergh
Alexander Jones
Emanuel Zingg

16:00 - 16:30 The Ptolemaic Analysis of the Hipparchian Lunar Model
ID: 376
Gonzalo Recio

16:30 - 17:00 The gravitational influence of Jupiter on the Ptolemaic value for the eccentricity of Saturn
ID: 782
Christián C, Carman

17:00 - 17:30 Ptolemy’s tradition of astronomical tables in the Islamic world
ID: 110
Benno van Dalen

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 11
Symposium (Part 1/6) Transportation History: Solving problems or creating bottlenecks? Railway history in political and economic context (ICOHTEC) - ID 10
Symposium organizer: Timo Myllyntaus, Hugo Pereira
Chair: Timo Myllyntaus

15:30 - 16:00 Engineers vs political and financial stakeholders in Portuguese railways: a sociotechnical approach to a peripheral nation (1850s-1910s)
ID: 576
Hugo Pereira

16:00 - 16:30 Building Critical Infrastructure in the Past: The Railway Line St. Petersburg – Riihimäki in the 1860s
ID: 623
Timo Myllyntaus

Monday, July 26, 2021 15:30 – 17:30

Virtual Hall 12
Symposium VII (Part 1/2) Collaborations and Rivalries in the History of Mathematics (ICHM) (with IMU) - ID 84
Symposium organizer: Reinhard Siegmund-Schultze, June Barrow Green
Chair: Reinhard Siegmund-Schultze

15:30 - 16:00 ”If I have seen further”: the fortunes of Newton and Hooke in the accepted narratives of the Scientific Revolution
ID: 164
Niccolò Guicciardini

16:00 - 16:30 The Sailor and The Savant: The ebb and flow of a scientific partnership
ID: 119
Nicolas Michel

16:30 - 17:00 Felix Klein (1849-1925) and Georg Pick (1859-1942): support and a (largely unknown) attempt to co-operate
ID: 135
Renate Tobies
Virtual Hall 12
17:00 - 17:30 Ronald Ross and his ‘capable assistant’ Hilda Hudson: a collaboration on the mathematical theory of epidemics
ID: 107

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 1
Symposium Size matters: exploring the textual dimensions of scientific knowledge in four centuries of British publishing (DHST- DLMPST Joint Commission) - ID 491
Symposium organizer: Agnes Bolinski, Alex Aylward
Chair: Agnes Bolinski

18:00 - 18:30 ‘It is light, it is cheap, it is readable’: volume, frequency and brevity in nineteenth-century medical journalism
ID: 606
18:30 - 19:00 Big book, little book: sizing up mid-twentieth-century British biological books
ID: 596

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 2
Symposium Museum revolutions? Transformations of science and technology display in Central and Eastern Europe since the 20th century - ID 386
Symposium organizer: Arne Schirrmacher, Jan Surman

18:00 - 18:30 E-POSTER Darwin in Moscow. Soviet Science Museums and the "Enlightenment of the Masses"
ID: 460
18:30 - 18:45 E-POSTER Regional Industry, Interactive Exhibits, and Marxist History? Polytechnical Museums in East Germany
ID: 501
18:45 - 19:00 E-POSTER Late and limited. The rebuilding of Berlin’s science and technology museums in both parts of the divided city
ID: 443
18:00 - 18:15 E-POSTER From Museums to Centers: Exhibiting Science in Poland
ID: 629

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 3
Symposium (Part 2/2) Science and empire in the age of global history (Science and Empire Commission)- ID 539
Symposium organizer: Thomás A. S. Haddad, John Mathew
Chair: Thomás A. S. Haddad

18:00 - 18:30 Scientific Research in Colonial India - Part 1: The Bombay Presidency
ID: 819
18:30 - 19:00 Scientific Research in Colonial India - Part II: The Princely States of Baroda and Travancore
ID: 821
Virtual Hall 3
19:00 - 19:30 Did Kāśinātha tarkālaṅkāra know sanskrit? recovering the thought worlds and practices of "brokers" in east india company india
Minakshi Menon
ID: 756

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 4
Symposium Wet ecologies: The media in (under)water worlds - ID 447
Symposium organizer: Helen M. Rozwadowski, Vera Schwach
Chair: Helen M. Rozwadowski

18:00 - 18:30 Imagining submarine and subterranean coral: Geology and the economics of marine fossil remains, Penny Magazine 1833
Anne Ricculli
ID: 632
18:30 - 19:00 Luminous marine animals and an enlightened public: How bioluminescence popularized marine biology
Katharina Steiner
ID: 850
19:00 - 19:30 Live from the depths: Telepresence and the production of deep ocean science
Alicia Caporaso
ID: 795
19:30 - 20:00 Pteropods realized: From bio-indication to bio-inspiration
Samm Newton
ID: 668

Virtual Hall 5
Symposium Colonial Science in the Pacific (Pacific Circle) - ID 634
Symposium organizer: Peter H. Hoffenberg, Roy MacLeod
Chair: Hans Pols

18:00 - 18:30 Actor and Network in Science and Colonialism in the Western Pacific
Joseph Foukona
ID: 972
18:30 - 19:00 Making Australian public scientists: measuring Victorian Scientific 'Giants' at 19th-Century Exhibitions
Peter Hoffenberg
ID: 953
19:00 - 19:30 Comment
Hans Pols
ID: 854

Virtual Hall 6
E-posters (Part 1/3)
Chair: Milada Sekyrkova

18:00 - 18:10 E-POSTER Molecular terminology: the role of Euclid's Elements
Henk Kubbinga
ID: 1060
18:10 - 18:20 E-POSTER History of meteorological glossaries and dictionaries: collective effort and contribution of individuals
Miloslav Müller
ID: 1097
Virtual Hall 6
ID: 1101 Emma Angelini
18:30 - 18:40 E-POSTER The unacknowledged accounts of the studies of the moon in the 1620s in the correspondence of Hevelius and von Löwen
ID: 1115 Jarosław Włodarczyk
18:40 - 18:50 E-POSTER On the criteria of assessment of scientific achievements: the case of Vernadsky
ID: 1000 Tatiana Denisova

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 7
Session VII (Part 2/2) - Biographies
Chair: Helena Durnová

18:00 - 18:30 Khaim Garber (1903-1937), on Technology: Another Eliminated Stream of Marxian Philosophy on Technology
ID: 1035 Hiroshi Ichikawa
18:30 - 19:00 P C Ray and his role in Indian identity formation
ID: 1164 ADITYA SUNDWA
19:00 - 19:30 Dr George Shuttleworth's ‘scholarly self’ and the creation of the mentally deficient child in nineteenth and early twentieth century Britain
ID: 1179 Samir Hamdoud
19:30 - 20:00 "If Bogdanov takes on a task he gets it done even though it seems impossible to everyone…"
ID: 1199 Galina Krivosheina

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 8
Symposium (Part 3/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 206
Symposium organizer: Janet Laidla
Chair: Tayce Phillipson, Tayce Phillipson

18:00 - 18:30 Giants and dwarfs at the Ordnance Office in the Tower of London
ID: 255 Rebekah Higgitt
18:30 - 19:00 Looking through and at giants: the iconography of telescopes and gigantism in the nineteenth century
ID: 320 Pedro Raposo
19:00 - 19:30 Fermenting at scale: ICI’s ‘Pruteen’ experiment – from animal feed to bioplastic, 1967-1991
ID: 1320 Rupert Cole
19:30 - 20:00 Small components, “Big Science”: electronics and engineering at the Mullard Space Science Laboratory
ID: 1030 Osnat Katz

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 9
Session I (Part 2/2) - History of Astronomy
Chair: Jörg Matthias Determann
Virtual Hall 9
18:00 - 18:20 The sphere of anthony ascham: the earliest known english translation of sacrobosco's sphaera by a minor renaissance author among elite commentators
ID: 1026 James Brannon
18:20 - 18:40 Astronomical tables in ancient Egyptian royal tombs from c. 1100 BCE
ID: 1128 Sarah Symons
18:40 - 19:00 Is Oppenheimer the father of black holes?
ID: 1109 Carla R. Almeida
ID: 1160 Michael J. Neufeld
19:20 - 19:40 A Hitheto Unknown Iranian Calendar Named Yamīnī
ID: 1142 Maedeh Hosseinçadeh

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 10
Symposium (Part 1/2) Politics, Protest and Big Technology (ICOHTEC) - ID 564
Symposium organizer: Susan Schmidt-Horning, Roberto Cantoni
Chair: Peter Müürsepp
18:00 - 18:30 Transnational Localism? Knowledge Production in the Italian 1970s-80s Anti-Nuclear Movement
ID: 706 Roberto Cantoni
18:30 - 19:00 Postcolonial nuclear consensus and contemporary anxieties: a history since the global re-enchantment with nuclear India
ID: 891 Kumar Sundaram Pathak
19:00 - 19:30 The public lantern’s interplay of light and darkness: between police monitoring, savings-based extinguishings, and protests (Paris, Barcelona, 18th c.)
ID: 649 Benjamin Bothereau

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 11
Symposium (Part 2/6) Transportation History: Colonial and extra-European railways (ICOHTEC) - ID 489
Symposium organizer: Timo Myllyntaus, Hugo Pereira
Chair: Hugo Pereira
18:00 - 18:30 Transport and public works in the Moroccan protectorate. The Tangiers-Fez railway (1914-1927) and civil engineer J. Eugenio Ribera
ID: 966 Inmaculada Aguilar
18:30 - 19:00 How the Panama Isthmus Railroad Accelerated American Commercial Expansionism
ID: 832 Shunsuke Munakata

Monday, July 26, 2021 18:00 – 20:00

Virtual Hall 12
Virtual Hall 12
Symposium (Part 2/2) Collaborations and Rivalries in the History of Mathematics (ICHM) (with IMU) - ID 87
Symposium organizer: Reinhard Siegmund-Schultze, June Barrow Green

Chair: June Barrow Green

18:00 - 18:30 **Circumventing gendered barriers to knowledge through spousal cooperation:** Mrs and Mr Mary Somerville
ID: 109
Brigitte Stenhouse

18:30 - 19:00 **George Boole & Mary Everest Boole**
ID: 221
David Dunning

19:00 - 19:30 **Who counted Professor Weldon's crabs: Florence Weldon and the hidden labour of 19th century data analysis**
ID: 118
Ursula Martin

19:30 - 20:00 **Richard von Mises and Hilda Geiringer: a partnership in applied mathematics emerging from a teacher-student relationship and welded by persecution**
ID: 249
Reinhard Siegmund-Schultze

**Monday, July 26, 2021 20:00 – 21:00**

Virtual Hall 1
Commission on Women and Gender Studies Business Meeting

**Monday, July 26, 2021 20:00 – 21:00**

Virtual Hall 2
Commission for the History of Physics Meeting

**Monday, July 26, 2021 20:00 – 21:00**

Virtual Hall 3
Science & Empire Commission Meeting

**Monday, July 26, 2021 20:00 – 21:00**

Virtual Hall 12
ICHM Meeting

**Tuesday, July 27, 2021 10:00 – 11:30**

Virtual Hall 10
Symposium Crossing the borders between meteorology, climatology and geography (Commission on the History of Meteorology and Commission on the History of Geography) - ID 424

Symposium organizer: Marcella Schmidt di Friedberg, Samuel Randalls

Chair: Marcella Schmidt di Friedberg

10:00 - 10:30 **The Maldivian Nakaiy calendar in the age of climate change**
ID: 583
Marcella Schmidt di Friedberg
Virtual Hall 10
10:30 - 11:00 For an epistemology of climate science(s) in Latin American: between convergences, breaks and perspectives Antonio Carlos Oscar Júnior
ID: 581

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 1
Symposium (Part 1/3) Knowledge of the heavens in transcultural perspectives: the circulation of astronomy and astrology between civilizations - ID 142
Symposium organizer: Weixing Niu, Christopher Cullen
Chair: Weixing Niu

10:00 - 10:30 The modes of adaptation of babylonian astronomical knowledge in early imperial China Yuzhen Guan
ID: 178
10:30 - 11:00 Rāhucāra of the Gārgīyajyotisa – The oldest Indian eclipse theory extant and its transmission in Central and East Asia Bill Mak
ID: 301
11:00 - 11:30 The planetary positions and zodiacal signs of Horoscope Astrology during the Tang and Song Dynasties Zhijia Jin
ID: 169
11:30 - 12:00 The competition between the 12 Zodiacal Signs and the 28 Lodges in Genethliacal Astrology China, 6th to 16th centuries CE Shenmi Song
ID: 203

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 2
Symposium Decolonising Pandemics? (Pacific Circle) - ID 512
Symposium organizer: Christine Winter
Chair: Christine Winter

10:00 - 10:30 ‘Modernity as pandemic: settler Australia as an experiment in self-quarantine’ Lorenzo Veracini
ID: 615
10:30 - 11:00 small pox, science and settler colonialism: contested historiographies Geoffrey Gray
ID: 894
11:00 - 11:30 epidemic and De-imperialisation through the case of Japanese Imperial Army Soldiers in PNG during WWII Yasuko Hassall Kobayashi
ID: 970
11:30 - 12:00 Malaria, mobility, and the death of the fair races: German scientific models of hardiness as (inevitable) decolonization Christine Winter
ID: 1292

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 3
Virtual Hall 3
Symposium Designing curricula as an interdisciplinary programmed framework in the history of science & scientific–technical teaching (IDTC) - ID 60

Symposium organizer: Gianna KATSIAMPOURA, Gustavo RODRIGUES ROCHA

Chair: Raffaele Pisano

10:00 - 10:30 Can environmental philosophy enhance the understanding of the physical world? Constantine (Kostas) Skordoulis
ID: 170
10:30 - 11:00 A NoS Experimental Curriculum on motion: Galileo and His Contemporaries Vincenzo Cioci
ID: 243
11:00 - 11:30 Emergence and Contingency in Modern Scientific Theories. New Insights in Teaching. Anastasios Kapodistrias
ID: 208

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 4
Symposium (Part 1/2) To explore from West to East: persons, methods and results - ID 81

Symposium organizer: Tatiana Feklova, Yuko Takigawa, Tatiana Feklova

10:00 - 10:30 From Saint-Petersburg to Beijing. The line of magneto-meteorological investigations. Second half of 19 – early 20 centuries. Tatiana Feklova
ID: 101
10:30 - 11:00 History of technology SUO BAO
ID: 335
11:00 - 11:20 E-POSTER N.A. Nordenskiöld’s polar expeditions and the Russian society Andrey Skrydlov
ID: 133
11:20 - 11:35 E-POSTER Imperial exploring expeditions: a case study on the archeographic expedition Jen-Heng Chen
ID: 198

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 5
Symposium (Part 1/3) Reflections of science and technology in the Ottoman Empire: scientific interactions among various ethnic and religious backgrounds, societies and institutions - ID 436

Symposium organizer: Tuncay Zorlu, Efthymios Nicolaidis

Chair: Mustafa KAÇAR

10:00 - 10:20 Issues and Problems of Addressing Multi-dimensional Scientific Activities in the Ottoman Empire Ekmeleddin Ihsanoglu
ID: 803
10:20 - 10:35 E-POSTER The Principle and Drawing of a Universal Asterlobe Atilla Bir
ID: 607
10:35 - 10:50 E-POSTER "Reflections of science and technology in the Ottoman Empire: scientific interactions among various ethnic and religious backgrounds, societies and institutions (PART 1/3) TUNCAY ZORLU
ID: 574
10:50 - 11:15 Professionalization in Science: Tanzimat to Turkish Republic (1839-1946) Tuğba Yılmaz
ID: 580
Virtual Hall 5
11:15 - 11:45  ID: 965  Ahmet Muhtar Pasha’s astrolabe making manuel: Riyaz al-Mukhtar  Emirhan Tezer

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 6
Symposium (Part 2/5) Science and literature in small and large scales (Commission on Science and Literature) - ID 271
Symposium organizer: George N. Vlahakis, John Holmes
Chair: Ida Stamhuis
10:00 - 10:30  ID: 686  What postage stamps can tell us about the scientific instruments?  Panagiotis Lazos
10:30 - 11:00  ID: 978  Hands-on knowledge: medieval manuscripts, instruments, and literary interpretation  Samuel GESSNER, Janine Rogers
11:00 - 11:30  ID: 1082  On the Spanish origins of the "Cientifico/a"  Jorge Alejnadro, Laris Pardo
11:30 - 12:00  ID: 1253  Writing a biography of a so-called ‘dwarf’ in science: the example of the female geneticist Tine Tammes  Ida Stamhuis

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 7
Symposium (Part 1/4) Placing mathematical knowledge in a world of and beyond nations (IASCUD) - ID 452
Symposium organizer: Michael Barany, Ellen Abrams
Chair: Michael Barany
10:00 - 10:30  ID: 931  The topology of interwar Japan: studying an emerging community institutionally and conceptually  Harald Kümmerle
10:30 - 11:00  ID: 681  From circulation to transfer of knowledge: infinitesimal calculus in Colombia during the 19th century  Bertrand Eychenne
11:00 - 11:30  ID: 613  Computing with WEIZAC in the early days of the State of Israel: Chaim Pekeris's contribution to applied mathematics (1948-1960)  Leo Corry

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 8
Symposium One hundred years of Niels Bohr’s Institute (Commission on the History of Physics) - ID 365
Symposium organizer: Jaume Navarro, Helge Kragh
Chair: Roberto Lalli
10:00 - 10:30  ID: 461  Koç’s theory: an unorthodox interpretation of quantum mechanics  Enes Tepe
Virtual Hall 8
10:30 - 11:00 The history of the Niels Bohr Institute as seen through the life and career of Christian Møller
ID: 556
Helge Kragh

11:00 - 11:30 The Socrates of physics: looking at Bohr through Wheeler’s and Heisenberg’s eyes
ID: 1102
Stefano Furlan

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 9
Session VIII (Part 1/2) - Gender
Chair: Milada Sekyrková

10:00 - 10:30 Moving beyond disciplinary limits and gender role in Spain: C. Arenal (1820-1893) on psychology
ID: 1248
Annette Mülberger

10:30 - 11:00 Degeneration, Gender, and German Immigration: the case of Elza (Rio de Janeiro, 1920s)
ID: 1148
Pedro Felipe Muñoz

11:00 - 11:30 Cotton, makeup and a prosthetic penis. Male and female trans* embodiment technologies in the mid-twentieth century in Argentina
ID: 1168
Patricio Simonetto

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 11
Symposium (3/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 126
Symposium organizer: Barton C. Hacker, Ciro Paoletti

10:00 - 10:30 Ottoman intelligence and weaponry
ID: 849
SOMER ALP ŞİMŞEKER

10:30 - 11:00 The jeune école and the development of China’s naval defense, 1870s-1890s
ID: 541
Mingyang LI

11:00 - 11:30 Beyond the usual Verdächtige - Military innovation in Central Europe from the Vereinsgewehr to the Feldl machine gun
ID: 141
Jorit Wintjes

11:30 - 12:00 Technology and french colonial warfare 1871-1914
ID: 961
William Dean

Tuesday, July 27, 2021 10:00 – 12:00

Virtual Hall 12
Symposium (Part 1/2) DISHAS and recent research on the history of astronomical tables: Latin, Sanskrit and Chinese sources (CHAMA) - ID 76
Symposium organizer: Matthieu Husson, Clemency Montelle
Chair: Nick Jacobson

10:00 - 10:30 Editing and analysing John of Lignères’ Tabule magne with DISHAS
ID: 108
Matthieu Husson
Virtual Hall 12
10:30 - 11:00  **What does the seven metre long 18th century Sanskrit astrological scroll contribute to our understanding of astronomical ideas from western India?**  
ID: 145  Aditya Jha

11:00 - 11:30  **Tables, calculations and calendars in a time of crisis: the production and public consumption of astronomy in China, 1664-1669.**  
ID: 146  Christopher Cullen

**Tuesday, July 27, 2021 10:00 – 12:00**

Virtual Hall 13
Session II (Part 2/3) - Biological Sciences

Chair: Jindřich Brejcha

10:00 - 10:30  **The dwarf that created a giant industry: The culture of dwarf mulberry tree and its spreading in China**  
ID: 1001  Chuan-hui Mau

10:30 - 11:00  **The founders of Romanian biological oceanography - Emil Racovitza, Ioan Borcea and Grigore Antipa**  
ID: 1032  Alexandru Ş. Bologa

11:00 - 11:30  **D’Arcy Thompson, civic science, and fin-de-siècle Darwinism. A case study of scientific and social change**  
ID: 1182  Giuliano Pancaldi

Virtual Hall 16
Visit Virtual Lounges

**Tuesday, July 27, 2021 11:30 – 12:00**

Virtual Hall 10
Informational session (Commission on the History of Metereology and Commission on the History of Geography)

Chair: Marcella Schmidt di Friedberg

**Tuesday, July 27, 2021 13:00 – 15:00**

Virtual Hall 1
Symposium (Part 2/3) Knowledge of the heavens in transcultural perspectives: the circulation of astronomy and astrology between civilizations - ID 143

Symposium organizer: Weixing Niu, Christopher Cullen

Chair: Christopher Cullen

13:00 - 13:30  **Who Are the Authors of Indian Astrology Text in the Chinese Tripiṭaka?**  
ID: 167  Liqun ZHOU

13:30 - 14:00  **On contemporary epochs in Chinese calendrical systems and their possible foreign origin**  
ID: 154  Weixing Niu
Virtual Hall 1

14:00 - 14:30 Ibn al-Zarqālluh’s discovery of the annual equation of the moon
Seyyed Mohammad Mozaffari

14:30 - 15:00 Al-Bīrūnī’s interpretation and revision on Indian mathematical astronomy in "India"
Yue PAN

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 2

Symposium (Part 1/2) Under Tropical Skies: Relocating Giants and Dwarfs in Meteorology (International Commission on the History of Meteorology) - ID 24
Symposium organizer: Fiona Williamson, Ruth Morgan

13:00 - 13:30 Defining drought and understanding tropical climate: the place of meteorological observations in the understanding of weather stations in northeastern Brazil (1850-1920)
Almir Leal de Oliveira

13:30 - 14:00 Connecting Australia to the World: Darwin as a meteorological hub in the continent’s tropics
Ruth Morgan

14:00 - 14:30 Joanne Simpson’s hot tower hypothesis and the history of tropical meteorology: The atmosphere is stable -- except when it isn’t
James Fleming

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 3

Symposium (Part 1/2) Localising Global Technical Knowledge: Founders and Educators of Engineering Schools and Universities in Modern China, c. 1850-1950s (ICOHTEC) - ID 147
Symposium organizer: Hailian Chen, Lisheng Feng, Wolfgang König

13:00 - 13:30 Training modern Chinese naval engineers in a French way: Fuzhou navy yard (1866–1907) and its educators and students
Mingyang Li

13:30 - 14:00 Pioneers of Educating China’s Technical Elites: An Official-Industrialist Sheng Xuanhuai (1844–1916) and His Educational Enterprises
Hailian Chen

14:00 - 14:30 The civil engineer Ling Hongxun (1894–1981) as an educator
Thorben Pelzer

14:30 - 15:00 Commentation and Discussion: Understanding Chinese Engineering Education in a Comparative Perspective (1)
Wolfgang König

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 4
Session IX - Meteorology
Chair: Takehiko Hashimoto

13:00 - 13:30 Different views of scientific debate on climate change and its significance for public training
Zhenghong Chen
Virtual Hall 4
13:30 - 14:00 Defender and Expositor of the Bergen Methods of Synoptic Analysis: Bergeron’s ID: 1074 “Three-Dimensionally Combining Synoptic Analysis” David Schultz
14:00 - 14:30 Reevaluating the roles of the Kaitakushi’s Japanese assistant professors and officers ID: 1161 in the history of meteorology Kae Takarabe
14:30 - 15:00 “Distributed authority and the global atmosphere: the role of telecommunications in ID: 1211 late nineteenth-century international meteorology” Claire Oliver

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 5
Symposium (Part 2/3) Reflections of science and technology in the Ottoman Empire: scientific interactions among various ethnic and religious backgrounds, societies and institutions - ID 437

Symposium organizer: Tuncay Zorlu, Efthymios Nicolaidis

Chair: Tuncay Zorlu

13:00 - 13:30 The Birth of Modern Meteorology in the Ottoman Empire in the Second Half of the ID: 618 Nineteenth Century (1854-1894) Saltuk Duran
13:30 - 14:05 Buy or make dilemma in history: technology transfers and military innovations in ID: 875 ottoman empire during 18th and 19th centuries Melikşah Kaçar
14:05 - 14:30 E-POSTER The Initiative on “Aerial Telegraph” in the Ottoman Empire ID: 577 Mustafâ Kacar

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 6
Symposium (Part 2/4) The materiality of knowledge circulation between China and Europe: physical formats, epistemic genres, spatial localities (16th-18th century) (ISHEASTM) - ID 32

Symposium organizer: Huiyi Wu, Marta Hanson

Chair: Marta Hanson

13:00 - 13:30 Knowledge embodied in objects: the transformative circulation of enamel between ID: 100 Europe and China in the late 17th and 18th century Catherine JAMI
13:30 - 14:00 Tracing innovations and technology exchanges between Europe and China, ID: 51 Enamelled objects at the 17th-18th century turn Philippe COLOMBAN Burcu Kırmızı
14:00 - 14:30 Samples, books and maps: the meandering routes of mineral knowledge between ID: 449 Macao and Paris Huiyi Wu
14:30 - 15:00 The dissemination of western essential oil knowledge and distillation techniques ID: 71 in late Ming and early Qing China Chengsheng Sun

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 7
Virtual Hall 7
Symposium (Part 2/4) Placing mathematical knowledge in a world of and beyond nations (IASCUD)- ID 454
Symposium organizer: Michael Barany, Ellen Abrams

Chair: Michael Barany

13:00 - 13:30 From the local to the global: connecting the evolution of statistical thought and practice in eighteenth century Europe  
ID: 830  
Adam Dunn

13:30 - 14:00 International mathematics in literature: the Oulipo’s mathematical connections  
ID: 711  
Natalie Berkman

14:00 - 14:30 Emphatic adverbs, proper nouns, and the disciplinary grammar of international mathematics  
ID: 895  
Michael Barany

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 8
Symposium (Part 4/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 207

Chair: Paolo Brenni, Paolo Brenni
Symposium organizer: Janet Laidla

13:00 - 13:30 A matter of trust and control: Questioning the precision of ‘precision clocks’ in 18th-century observatories  
ID: 425  
Sibylle Gluch, Michael Korey, Julien Gressot, Romain Jeanneret

13:30 - 14:00 Determining, keeping and transmitting time. A century of famous and forgotten precision clocks at the Neuchâtel observatory (1858-1958)  
ID: 295  
Julien Gressot, Romain Jeanneret

14:00 - 14:30 Under the microscope: Making minerals visible in mineralogy and popular science in modern China  
ID: 1023  
Xi Ma

14:30 - 15:00 An Oscilloscope and a Life: the Beginning of China’s Electronic Measuring Instruments Field  
ID: 338  
Ke Zhao

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 9
Session VIII (Part 2/2) - Gender

Chair: Soňa Štrebáňová

13:00 - 13:30 Identity and Experiment: Female Psychologist’s Reflections on Identity and Their Role in Experimental Styles, Germany 1920s  
ID: 1171  
Laurens Schlicht

13:30 - 14:00 Breaking borders: a case of Victoria Lady Welby  
ID: 1224  
Konstantin Skripnik

14:00 - 14:30 Anne Conway on monads  
ID: 1227  
Anastasia Guidi Itokazu
Virtual Hall 9
14:30 - 15:00  Science After the Suffragettes: Trouble at T’ Mill for Irene Manton
ID: 1238  Nicola Williams

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 10
Symposium Marxism and the history of science: new perspectives - ID 22
Symposium organizer: Constantine (Kostas) Skordoulis, Camilla Royle
Chair: Constantine (Kostas) Skordoulis

13:00 - 13:30  Quantum and materialist dialectic: dynamic and statistical regularity in Hessenian Marxism
ID: 40  Sean Winkler
13:30 - 14:00  Criticism of machinism and modernity
ID: 421  Stany Mazurkiewicz
14:00 - 14:30  "Edgar Zilsel and the Critique of the Mechanical conception of Nature"
ID: 74  Gianna Katsiampoura
14:30 - 15:00  Engels, plagues and 19th century epidemiology
ID: 38  Camilla Royle

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 11
Symposium (4/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 127
Symposium organizer: Barton C. Hacker, Ciro Paoletti

13:00 - 13:30  The cordite case: understanding the inner technological issues in an otherwise social-legal legacy
ID: 199  Yoel Bergman
13:30 - 14:00  Victorian science meets the reality of industrial war: H.S.S. Watkin and rangefinding and the Royal Artillery, 1870-1918
ID: 139  Steven Walton

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 12
E-posters (Part 2/3)
Chair: Vojtěch Pojar

13:00 - 13:10  E-POSTER Re-evaluating Britannia Bridge: The Historical Development of Bridge-building Technology
ID: 1121  Manabu KOBAYASHI
13:10 - 13:20  E-POSTER Situation of the fight against malaria in Peru (1953)
ID: 1155  Irwin Enrique Peralta
ID: 1214  Galina Sinkevich

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 12

13:30 - 13:40  **E-POSTER  SCIENTIFIC  RESEARCH,  INNOVATIONS  AND  LABOUR PRODUCTIVITY IN BRITISH AND RUSSIAN MANUFACTURING BEFORE THE GREAT WAR**
ID: 1221  Dmitrii Saprykin

13:40 - 13:50  **E-POSTER Stanislaw Michalski - the founding father of the science of science**
ID: 1223  Mateusz Hübner

13:50 - 14:00  **E-POSTER Halley’s Comet Trail: Transit and Legitimation of astronomical knowledge in Chile (1910)**
ID: 1231  Verónica Ramírez-Errázuriz

**Tuesday, July 27, 2021 15:00 – 16:00**

Virtual Hall 13

Presentation - Wiley Digital Archives

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15:00 - 15:30  **Uncovering Hidden Stories in the Archives of Learned Societies**
ID: 1329  Ray Abruzzi

**Tuesday, July 27, 2021 15:30 – 16:00**

Virtual Hall 15

Chat with Wiley

**Tuesday, July 27, 2021 15:30 – 17:30**

Virtual Hall 1

Symposium Lives in danger, workplace in decay… „Ordinary“ intellectuals of Jewish origin and their fate between 1930s and 1950s. - ID 715

Symposium organizer: Ivana Ebelová, Milada Sekyrková

15:30 - 16:00  **A Treasure of the USHMM Archive: Dr. Ilka Dickman**
ID: 987  Tereza Kopecká

16:00 - 16:30  **Transformation of the students and pedagogical staff of Prague universities in the second half of the 1930s**
ID: 988  Ivana Ebelová, Milada Sekyrková

16:30 - 17:00  **Institute of Light**
ID: 989  Vira Gamaliia

17:00 - 17:30  **German-Jewish scientists and their fate between 1933 and 1960**
ID: 990  Annette B. Vogt
Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 2

Symposium (Part 2/2) Under Tropical Skies: Relocating Giants and Dwarfs in Meteorology (International Commission on the History of Meteorology) - ID 25

Symposium organizer: Fiona Williamson, Ruth Morgan

Chair: James R. Fleming

15:30 - 16:00 The world of filipino weathermen of the manila observatory and the philippine weather bureau, 1884-1935
ID: 37 Kerby Alvarez
16:00 - 16:30 Just doing their job: The Hidden Meteorologists of Colonial Hong Kong c. 1883-1914
ID: 35 Fiona Williamson
16:30 - 17:00 Rainfall prediction in post-colonial South Asia: The connected projects of astrology, folklore, and meteorology, 1948-1963
ID: 377 Sarah Carson
17:00 - 17:30 Dwarfs or Empire Builders? Italian colonial meteorology between the Mediterranean and the Indian Ocean
ID: 1297 Angelo Matteo Caglioti

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 3

Symposium (Part 2/2) Localising Global Technical Knowledge: Founders and Educators of Engineering Schools and Universities in Modern China, c. 1850-1950s (ICOHTEC) - ID 148

Symposium organizer: Hailian Chen, Wolfgang König

Chair: Wolfgang König

15:30 - 16:00 Promoting and Localising Mechanical Engineering Education in Modern China: Liu Xianzhou (1890–1975) and His Pioneering Educational Practices
ID: 898 Lisheng Feng
16:00 - 16:30 Educating Chinese Textile Students between Theoretical Knowledge and Practice: A Comparative Case Study of U.S.- and France-Returned Teachers at Peiyang/Tianjin University in the 1950s
ID: 197 Xuan Su
16:30 - 17:00 Debates on traditional architecture in China: Uncovering the layers of the reception of Constantin Canavas
ID: 679 Liu Dunzhen
17:00 - 17:30 Commentation and Discussion: Understanding Chinese Engineering Education in a Comparative Perspective (2)
ID: 910 Wolfgang König

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 4

Symposium (Part 2/5) Re-scaling & de-centering the history of oceanography: the ‘hidden figures’ and hidden dimensions of global ocean science (ICHO) - ID 453

Symposium organizer: Penelope K. Hardy, Cornelia Lüdecke

Chair: Penelope K. Hardy

15:30 - 16:00 Debating Value and Purpose: The Inland Ohio- Mississippi River System within Broader Water Networks
ID: 945 Kristen Fleming
Virtual Hall 4

16:00 - 16:30  **Vulnerable at Sea: Environmental-Health and the Maritime Environment**  
ID: 764  
Katy Kole de Peralta

16:30 - 17:00  **De-centering conservation in the Indian Sundarbans Delta: a nexus between global ocean science and competing grounded environmentalities**  
ID: 589  
Amrita Sen

17:00 - 17:30  **Knowing the beast: how different styles of population modelling developed in early fisheries science**  
ID: 646  
Jennifer Hubbard

**Tuesday, July 27, 2021 15:30 – 17:30**

Virtual Hall 5

Symposium (Part 3/3) Reflections of science and technology in the Ottoman Empire: scientific interactions among various ethnic and religious backgrounds, societies and institutions - ID 602

Symposium organizer: Tuncay Zorlu, Efthymios Nicolaidis

Chair: Saltuk Duran

15:30 - 16:00  **Ottoman temporality: towards an understanding of multivalent and multi-cultural temporal reckoning in early ottoman history**  
ID: 753  
Maryam Patton

16:00 - 16:15  **E-POSTER The Existential Struggle of The Printing House Against The Verbal Culture and Manuscript Tradition in The Ottoman Empire**  
ID: 996  
Nihal Ozdemir

16:15 - 16:35  **E-POSTER Theoretical Backround of "ilm al-misaha" (science of measure) in the Ottoman Classical Period (1300-1800)**  
ID: 1013  
Elif Baga

16:35 - 17:05  **"Ilm al-misaha" through applications: a study of al-misaha manuscripts in the ottoman classical period (1300-1800)**  
ID: 1012  
Zehra Bilgin

**Tuesday, July 27, 2021 15:30 – 17:30**

Virtual Hall 6

Symposium (Part 1/5) Computing in the sciences and in technology. An Aristotelian perspective (HaPoC) - ID 11

Symposium organizer: Arianna Borrelli, Liesbeth De Mol

Chair: Helena Durnová

15:30 - 16:00  **Rockets, Engines, Biohybrids: 21st Century Motor and Temporal Regimes**  
ID: 78  
Janina Wellmann

16:00 - 16:30  **Conspicuous computing, Organizing the cutting edge of computability (1980-2020)**  
ID: 256  
David Gugerli

16:30 - 17:00  **Mainframe computer or programmable pocket calculator? Two calculation tools for two epistemological approaches of computing in French medieval history (1967-1981)**  
ID: 595  
Edgar LEJEUNE

**Tuesday, July 27, 2021 15:30 – 17:30**

Virtual Hall 7
### Virtual Hall 7

**Symposium (Part 3/4) Placing mathematical knowledge in a world of and beyond nations (IASCUD)- ID 456**

Symposium organizer: Michael Barany, Ellen Abrams

Chair: Ellen Abrams

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30 - 16:00</td>
<td>The Malthus Library: The library as cognitive instrument in the making of the population principle</td>
<td>Kevin Lambert</td>
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<tr>
<td>16:00 - 16:30</td>
<td>The Kitchen and the Dacha: Productive Spaces of Soviet Mathematics</td>
<td>Slava Gerovitch</td>
</tr>
<tr>
<td>16:30 - 17:00</td>
<td>Internationalization and the interplay of theory and experiment in 1970s high energy physics</td>
<td>Vitaly Pronskikh</td>
</tr>
<tr>
<td>17:00 - 17:30</td>
<td>Can mathematical knowledge be a form of self-knowledge? The case of the late Russian Empire.</td>
<td>Anya Yermakova</td>
</tr>
</tbody>
</table>

### Tuesday, July 27, 2021 15:30 – 17:30

**Virtual Hall 8**

**Symposium (Part 5/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 209**

Symposium organizer: Janet Laidla

Chair: Alexi Baker, Alexi Baker

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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</thead>
<tbody>
<tr>
<td>15:30 - 16:00</td>
<td>The transformation of a failed scientific instrument: a tool for teaching science, a work of art, and an inspiration for art</td>
<td>Marvin Bolt</td>
</tr>
<tr>
<td>16:00 - 16:30</td>
<td>Show, don’t tell: the magic lantern and 19th-century science popularisation</td>
<td>Trienke van der Spek</td>
</tr>
<tr>
<td>16:30 - 17:00</td>
<td>Play, design, science: spinning tops, crossing spaces, understanding physics</td>
<td>Artemis Yagou</td>
</tr>
<tr>
<td>17:00 - 17:30</td>
<td>No future without history</td>
<td>Jan Waling Huisman</td>
</tr>
</tbody>
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### Tuesday, July 27, 2021 15:30 – 17:30

**Virtual Hall 9**

**Symposium (Part 1/3) Evolution of mathematics in China: major figures, anonymous contributors, and the giants among them (ICHM) (with IMU)- ID 66**

Symposium organizer: Joseph W. Dauben, Shuchun Guo

Brief Introduction: Joseph W. Dauben

Chair: Dahai Zou

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30 - 16:00</td>
<td>Concerning Classical Chinese Mathematics, We Only Know a Few Bits and Pieces</td>
<td>Shuchun Guo</td>
</tr>
</tbody>
</table>
Virtual Hall 9

16:00 - 16:30
ID: 406
Approaching the “True Value” (密和合) and Cui Chaoqing’s Examination of Two Pursuit Problems in the Nine Chapters: “Rushes and Reeds Growing Simultaneously” and “Two Rats Tunneling Through a Wall”
Hongcheng GAO

16:30 - 17:00
ID: 398
Survey of mathematics during the Warring States Period: from bamboo slips to ancient documents of the Qin and Han dynasties
Zhaoyang WU

17:00 - 17:30
ID: 408
On the Stylization of Traditional Chinese Mathematics
Zelin XU

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 10
Session X (Part 1/2) - Diplomacy, behavior

Chair: Doubravka Olšáková

15:30 - 16:00
ID: 1190
'Pure and Applied Regulations': The origins and evolution of Portuguese science-based Food Safety legislation (1875-1905)
José Ferraz-Caetano

16:00 - 16:30
ID: 1157
Scientific policies in Brazil under democratic and authoritarian governments after Second World War
Olival Freire Junior

16:30 - 17:00
ID: 942
Anticipating Transformation: Emigrés as cross-bloc Expectation Managers in 1980s Europe
Konrad Sziedat

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 11
Symposium (Part 3/6) Transportation History: Railway modernisation - infrastructure and motive power (ICOHTEC) - ID 492

Symposium organizer: Timo Myllyntaus, Hugo Pereira

Chair: Hugo Pereira

15:30 - 16:00
ID: 799
Reservation systems for passenger railway travel
Reima Suomi

16:30 - 17:00
ID: 859
Integrated railway modernization in inter-war Romania financed by international loans
Attila Gabor Hunyadi

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 12
Session III (Part 3/3) - Geography

Chair: Marek Ďurčanský

15:30 - 16:00
ID: 1240
Wahlenberg’s forgotten map: barometer, vegetation and colour layer tinting
Zsolt Török Győző
Virtual Hall 12

16:00 - 16:30 Alfred Russel Wallace and the authority of field observation: the making of a giant of the ethnography of the Amazon
ID: 1207 Victor Limeira-DaSilva

16:30 - 17:00 Scholars who travelled and explorers we remember. Perspectives on the character and crew of the Nordenskiöld expeditions in the 1860's and 1870's
ID: 1277 Päivi Maria Pihlaja

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 1
Symposium (Part 2/3) CHCMS (History of Chemistry and Molecular Sciences) - ID 934
Symposium organizer: Brigitte Van Tiggelen, Yoshiyuki Kikuchi
Chair: Annette Lykknes

18:00 - 18:30 Tacit Conventions and the Making of the Modern Chemical Notation: How Editors, Publishers, and Printers of Scientific Journals Shaped Structural Formulae in the 1870s and 1880s
ID: 1302 Konstantin S. Kiprijanov

18:30 - 19:00 Color and oxidation: Nonstandard tools in efforts to determine structure and size of aniline polymers in the early 20th century
ID: 1303 Seth Rasmussen

19:00 - 19:30 Patenting Agent Orange: Chemical Classification, Novelty, and the Military-Industrial Complex in the Cold War United States
ID: 1304 Alison McManus

19:30 - 20:00 From parasitic to indispensable: synchrotron radiation sources in biological research
ID: 1305 Apostolos Gerontas

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 2
Symposium Empire of knowledge: South Asia, 1850-1971 (Science and Empire Commission) - ID 502
Symposium organizer: Prakash Kumar, Deepak Kumar
Chair: Prakash Kumar, Deepak Kumar

18:00 - 18:30 Western Sanitary Science and Hygienic Practices in South India, 1850-1920
ID: 611 B Eswara Rao

18:30 - 19:00 Evolution of electrical engineering in colonial Calcutta: Bhadralok aspirations on academia and industry interface, 1880s – 1940s
ID: 590 Suvobrata Sarkar

19:00 - 19:30 Changing geographies, redefining disease: migration and modernisation in ayurveda, 1902-1960
ID: 603 Burton Cleetus

19:30 - 20:00 Towards a new modern: The land grant model and India’s rural universities
ID: 586 Prakash Kumar

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 3
Virtual Hall 3
Symposium (Part 1/3) Great to small: spatial and temporal scales in the history of the geosciences (INHIGEO) (with IUGS) - ID 504

Symposium organizer: Marianne Klemun, Gregory A Good

Chair: Gregory A Good

18:00 - 18:30 Powers of Scaling: Conceptual and Sociopolitical Considerations in A. P. Coleman's Mapping of the Sudbury Region

18:30 - 19:00 From rocks to mountains: the use of 'small' specimens for the 'great' history of the Earth during the 18th century

19:00 - 19:30 Macro-evolution vs micro-evolution in Palaeontology. The 1970's "Punctuated Equilibria revolution" and its scientific/political issues

19:30 - 20:00 Scaling down the earth’s history: visual materials for popular education by Nerée Boubée (1806-1862).

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 4
Symposium (Part 3/5) Re-scaling & de-centering the history of oceanography: the ‘hidden figures’ and hidden dimensions of global ocean science (ICHO) - ID 450

Symposium organizer: Penelope Hardy, Cornelia Lüdecke

Chair: Helen Rozwadowski

18:00 - 18:30 “Unnamed marine animals” – oceanic microfauna, collection ecologies and hidden knowledge makers, ca. 1750-1850

18:30 - 19:00 Science from the quarterdeck: Naval-scientific networks and the 1870s Challenger Expedition

19:00 - 19:30 “So-called” coral reefs: Algae, transnational networks and the biological turn in reef science 1896-1928

19:30 - 20:00 Circulating coral: Tracing the Pacific origins of captive coral systems

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 5
Session XI Computers

Chair: Jan Kotůlek

18:00 - 18:30 The birth of a metaphor: the golden age of ‘artificial intelligence’ research 1956-1976

18:30 - 19:00 The indispensable modern – the advertisements of computing technologies and their representations during redemocratization process in Brazil (1977-1985)

19:00 - 19:30 Female computers and more at the International Latitude Observatory of Mizusawa

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 5
19:30 - 20:00 Writing the history of Artificial Intelligence from a peripheral/southern context: The experience from a non-anglophone European country  Konstantinos Sakalis
ID: 1192

**Tuesday, July 27, 2021 18:00 – 20:00**

Virtual Hall 6
Symposium (Part 2/5) Computing in the sciences and in technology. An Aristotelian perspective (HaPoC)  ID 12
Symposium organizer: Arianna Borrelli, Liesbeth De Mol
Chair: Arianna Borrelli

18:00 - 18:30 Diagrams vs equations in circuit design  Maarten Bullynck
ID: 83
18:30 - 19:00 There is no hardware either: virtual machines and practical languages  Mark Priestley
ID: 252
19:00 - 19:30 There will be a time-fight tomorrow: Old problems in new logics  Troy Astarte
ID: 264
19:30 - 20:00 informative HAPOC meeting  Liesbeth De Mol
ID: 1335

**Tuesday, July 27, 2021 18:00 – 20:00**

Virtual Hall 7
Symposium (Part 4/4) Placing mathematical knowledge in a world of and beyond nations (IASCUD)- ID 457
Symposium organizer: Michael Barany, Ellen Abrams
Chair: Ellen Abrams

18:00 - 18:30 Cold War story-telling in the mathematical communities of the United States and the Soviet Union  Barbara Walker
ID: 885
18:30 - 19:00 Global mathematics and local masculinities  Ellen Abrams
ID: 848
19:00 - 19:30 Toward a history of math anxiety: From oral examination to written testing in American redefinitions of student performance, 1890s-1920s  Andrew Fiss
ID: 822
19:30 - 20:00 End-of-symposium comment and discussion, moderated by the symposium organizers  Michael Barany Ellen Abrams
ID: 897

**Tuesday, July 27, 2021 18:00 – 20:00**

Virtual Hall 8
Virtual Hall 8
Symposium (Part 6/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 210
Symposium organizer: Janet Laidla
Chair: Michael Korey, Michael Korey

18:00 - 18:30 Back into the laboratory from 19th century toy stores – the curious case of the Zeiss stereotelemeter
ID: 520
Andreas Junk

18:30 - 19:00 The Turkification of Astronomical Instrumentation in Ottomans between the 15th and 19th centuries
ID: 371
Merve Sandallı

19:00 - 19:30 Evolution of astrolabes from planispheric to universal and its transmission from the Islamic west to Islamic east
ID: 536
Saliha Bütün

19:30 - 20:00 Jagiellonian University mechanicians – their workshop and instruments – 19th-20th century
ID: 930
Ewa Wyka

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 9
Symposium (Part 2/3) Evolution of mathematics in China: major figures, anonymous contributors, and the giants among them (ICHM) (with IMU)- ID 69
Symposium organizer: Joseph W. Dauben, Shuchun Guo

18:00 - 18:30 A comparative examination of epistemological values utilized by Chinese mathematicians from Liu Hui to Mei Wending in solving fangcheng problems
ID: 192
Jiang-Ping Jeff Chen

18:30 - 19:00 Pitiscus’ numerical solution for sin 1° and his influence on Chinese mathematic
ID: 195
Jie Dong Yuan Yuan Guo

19:00 - 19:30 The Position and Influence of the 13th-century Chinese Mathematician Yang Hui in the History of Chinese Mathematics
ID: 344
Shirong Guo

19:30 - 20:00 New Arguments on the Relation Between Geng Shouchang and the Compilation of the Nine Chapters on Mathematical Procedures
ID: 323
Dahai Zou

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 10
Session X (Part 2/2) - Diplomacy, behavior
Chair: Doubravka Olšáková

18:00 - 18:30 Utilization of academic models in modern industrial fields (sericulture) at the beginning of the 20th century
ID: 1132
Yurika Saito

18:30 - 19:00 Giants and dwarfs: changing image of expert, his/her place and role in science history
ID: 1244
Natalia Knekht

19:00 - 19:30 A Preliminary Study on Overseas-returned Chinese Architects in the First Half of 20th Century——based on Academic Pedigree
ID: 1033
Mo Wang

Tuesday, July 27, 2021 18:00 – 20:00
Virtual Hall 12
Symposium (Part 2/2) DISHAS and recent research on the history of astronomical tables: Latin, Sanskrit and Chinese sources (CHAMA) - ID 77

Symposium organizer: Matthieu Husson, Benno van Dalen

Chair: Matthieu Husson

18:00 - 18:30 Shanati: A Project to Reconstruct the 1st Millennium BCE Ancient Babylonian Chronology to the Day
ID: 1327
David Danzig

18:30 - 19:00 The numerical differences of the two versions of Ḥabash al-Ḥasib’s astronomical tables
ID: 114
Johannes Thomann

19:00 - 19:30 The emergence of auxiliary astronomical tables in medieval Europe
ID: 317
Glen Van Brummelen

19:30 - 20:00 Demonstration of DISHAS, Digital Information System for the History of Astral Sciences
ID: 1325
Segolene Albouy

Tuesday, July 27, 2021 18:00 – 20:00

Virtual Hall 13
Session II (Part 3/3) - Biological Sciences

Chair: Zuzana Schierová

18:00 - 18:30 Morphine, alcohol, and the victorious body: how intoxicants intersected bodies and minds in the development of the biological subject
ID: 1063
Matthew Perkins-McVey

18:30 - 19:00 Biology in BAAS during the nineteenth century: T.H. Huxley and the ephemeral life of a discipline
ID: 1156
Juan Manuel Rodriguez-Caso

19:00 - 19:30 Julian Huxley, UNESCO and transhumanism: an outline of a biopolitical proposal
ID: 1159
Paulina Cruz-Castañeda

Tuesday, July 27, 2021 20:00 – 21:00

Virtual Hall 3
IDTC business meeting

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 1
Symposium (Part 1/4) Mathematical proofs and styles of reasoning: East vs. West - ID 49

Symposium organizer: Jens Lemanski, Ioannis Vandoulakis, Eberhard Knobloch

Chair: Ioannis Vandoulakis

10:00 - 10:30 Symbolic algebra as a synthesis of East and West
ID: 94
Ladislav Kvasz

10:30 - 11:00 Geometric reasoning and arithmetic reasoning in the medieval tradition of Euclid's Elements
ID: 238
Leo Corry
Virtual Hall 2
Symposium (Part 3/3) Knowledge of the heavens in transcultural perspectives: the circulation of astronomy and astrology between civilizations - ID 144
Symposium organizer: Weixing Niu, Christopher Cullen
Chair: Yunli Shi

10:00 - 10:30  
The Transmission of European Medical Astrology in Qing China  
ID: 152  
Haohao Zhu

10:30 - 11:00  
A Primary Research on the Calculating Method of the Solar Eclipses in a Chinese Version of the Tycho System (Chóngzhēn lǐshū 崇禎曆書)  
ID: 153  
Longfei Chu  
Chen Ji

11:00 - 11:30  
A public cosmology lecture with a clockwork astronomical model in 18th century Japan  
ID: 179  
Ryuji Hiraoka

11:30 - 12:00  
The Non-Ptolemaic Islamic Star Tables in the Huihui-lifa and the Sanjufini-zij  
ID: 472  
Eun-Hee Lee

Virtual Hall 3
Symposium (Part 2/2) To explore from West to East: persons, methods and results - ID 82
Symposium organizer: Tatiana Feklova, Yuko Takigawa, Tatiana Feklova

10:00 - 10:30  
Reconstructing British and Russian envoys/expeditions to Japan at the end of the 18th century in relation to Daikokuya Kodayu  
ID: 102  
Yuko Takigawa

10:30 - 11:00  
Development of one of the world's largest zoological collections: collecting for Zoological museum in Stankt-Petersburg in 19th - early 20th century  
ID: 131  
Nadezhda Slepkova

11:30 - 12:00  
Meteorological observations in research programs of the Russian expeditions to Central Asia at the turn of the 20th century  
ID: 458  
Tatiana Yusupova

Virtual Hall 4
Symposium (Part 1/2) New perspectives: differentiating cultures in ancient mathematics (IASCUD) - ID 527
Symposium organizer: Agathe Keller, Fanglei Zheng
Chair: Fanglei Zheng

10:00 - 10:30  
Cultures of quantification and computation as testified by the Śulbasūtras  
ID: 608  
Keller Agathe

10:30 - 11:00  
Variety in a uniform tradition: A comparison of metrology and mathematical education in Old Babylonian sources  
ID: 621  
Robert Middeke-Conlin

11:00 - 11:30  
An analysis of the Double-Fourteenth Book in Billingsley's translation of Euclid’s Elements  
ID: 661  
Jingbo CAO
Virtual Hall 4

11:30 - 12:00 Differentiating two practices and the underlying epistemic principles in the “rule of three” procedures in China
ID: 890
Shuyuan Pan

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 5
Symposium Military research and the militarization of research in Cold War Europe - ID 346
Symposium organizer: Per Lundin, Robert Bud
Chair: Robert Bud

10:00 - 10:30 The military origin of computing and long-term planning in Cold War Sweden
ID: 405
Eric Bergelin

10:30 - 11:00 The hidden university: The military research institutes as knowledge producers in Cold War Sweden
ID: 736
Niklas Stenlås

11:00 - 11:30 “Entirely at your service, except […].” Dutch scientists and military research during the Cold War
ID: 944
Friso Hoeneveld

11:30 - 12:00 Industrial and military research in the Versuchsanstalt Pibrans during Nazi occupation and its Cold War continuation
ID: 947
Jan Kotůlek

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 6
Session XII - History of Bibliography
Chair: Birute Railene

10:00 - 10:30 Retrospective bibliographical index - a universal source for history of science
ID: 1228
Birute Railiene

10:30 - 11:00 Polish Current Bibliography of the History of Science and Technology at the Institute of the History of Science, PAS
ID: 1232
Jan Kozakowski

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 7
Symposium organizer: Helmut Maier, Ewelina Twardoch-Ras
Chair: Helmut Maier

10:00 - 10:30 The coal mining spoil heaps in the Ruhr area and their integration in the landscape
ID: 697
Ron-David Heinen

10:30 - 11:00 Soil and socialism. Recultivation of lignite mining in the German Democratic Republic
ID: 705
Martin Baumert

11:00 - 11:30 Environmental Policy and the Uranium Ore Mining in East Germany, 1946-1990
ID: 734
Sabine Loewe-Hannatzsch
Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 9
Symposium (Part 3/3) Great to small: spatial and temporal scales in the history of the geosciences (INHIGEO) (with IUGS) - ID 505

Symposium organizer: Marianne Klemun, Gregory A Good

Chair: Gregory A Good, Marianne Klemun

10:00 - 10:30 Scale in the history of geology: dinosaurs and ostracods
ID: 671 Michiko Yajima

10:30 - 11:00 The elaboration of the concept of Gondwana and the making of the scientific discourse for extractivism
ID: 889 Mariana Ferrari Waligora

11:00 - 11:30 The Rearrangement of Scaling and Networking: Cosmographical Worldview Evolved into Geological Mapping
ID: 911 Toshihiro Yamada

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 10
S (1/2) Women and academic careers in Central and Eastern Europe after the 2nd World War (1945–1968). S. held in honor of S. Štrbaňová (Com. on Wom. and Gender in Sci., Tech. and Med.) - ID 17

Symposium organizer: Adéla Jůnová Macková, Željko Oset

Chair: Željko Oset

10:00 - 10:30 Female scientists at the newly established institutes of Slovene Academy of Sciences and Arts (1945-1960)
ID: 95 Željko Oset

10:30 - 11:00 Female scientists and the Academy of Science in 1950s and 1960s
ID: 23 Adela Jůnová Macková

11:00 - 11:30 Heading a communist hierarchy: The case of Savka Dabčević Kučar
ID: 26 Marijana Kardum

11:30 - 12:00 Female scientists in Berlin (East) at the University and in the Academy of Sciences (1946-1972)
ID: 392 Annette B. Vogt

Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 11
Symposium (5/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 128

Symposium organizer: Barton C. Hacker, Ciro Paoletti

10:00 - 10:30 From death rays to the Bolton Paul Defiant: a radical reinterpretation of interwar military technical development
ID: 149 David Zimmerman

10:30 - 11:00 Giants in between. Ernst Mach’s research within the framework of civil and military r&i of the Austrian-Hungarian Empire
ID: 314 Regina Jonach

11:00 - 11:30 The photomosaic map, also known as the WWI “Flying Cinema”
ID: 555 Noemi Quagliati
Wednesday, July 28, 2021 10:00 – 12:00

Virtual Hall 12
Symposium (Part 1/2) Scientific Instruments and Literature (Commission on Science and Literature) - ID 288
Symposium organizer: George N. Vlahakis, Janet Laidla
Chair: George N. Vlahakis

10:00 - 10:30  ID: 732 Early 70s, Nançay is the setting for a film and a novel Jean Davoineau
10:30 - 11:00  ID: 806 The Expo 58 as a global event for the development of scientific instruments in the Cold War and its use in spy novels. GEORGE VLAHAKIS

Wednesday, July 28, 2021 10:00 – 17:00

Virtual Hall 16
Visit Virtual Lounges

Wednesday, July 28, 2021 13:00 – 14:00

Virtual Hall 1
Pacific Circle Committee Meeting

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 2
Symposium (Part 3/4) The materiality of knowledge circulation between China and Europe: physical formats, epistemic genres, spatial localities (16th-18th century) (ISHEASTM) - ID 33
Symposium organizer: Huiyi Wu, Marta Hanson
Chair: Marta Hanson

13:00 - 13:30  ID: 52 From Text to Map: Maps and Geographies as Catalysts for Cross-cultural Contact in Late Ming China Mario Cams
13:30 - 14:00  ID: 59 From maps to texts: knowledge transition in early Jesuit writings Anna Strob
14:00 - 14:30  ID: 63 Monuments, hermeneutics, or astronomy? China and the invention of philosophical history Gianamar Giovannetti-Singh

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 3
Symposium Astronomical tables and canons in the Alfonsine tradition - ID 115
Symposium organizer: Nicholas Jacobson, Stefan Zieme
Virtual Hall 3
13:00 - 13:30 Building new astronomical tools: a mise en perspective of the equation of time in Lewis of Caerleon’s astronomical works
ID: 597 Laure Miolo
13:30 - 14:00 The hierarchical structure of tables: Lewis of Caerleon on the equation of time
ID: 598 Stefan Zieme
14:00 - 14:30 Planetary latitudes tables in Conrad Heingarter’s astronomical manuscripts
ID: 617 Camille Bui
14:30 - 15:00 Conrad Heingartner’s notes on canons for finding planetary latitudes
ID: 639 Nicholas Jacobson

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 4
Symposium (Part 2/2) New perspectives: differentiating cultures in ancient mathematics (IASCUD) - ID 529

Symposium organizer: Agathe Keller, Fanglei Zheng

Chair: Agathe Keller

13:00 - 13:30 Using the square or using the circle? Different proofs on the “Broken Bamboo” Problem
ID: 635 LU Peng
13:30 - 14:00 Mathematical cultures according to observers and to actors: The historiography of number systems and arithmetic
ID: 692 Karine Chemla
14:00 - 14:30 19th Century French Scholars’ observations on the Chinese abacus and its cultural background
ID: 833 Yan Wu Zhihui Chen
14:30 - 15:00 19th Century French Scholars’ observations on the Chinese abacus and its cultural background
ID: 834 Yan Wu Zhihui Chen
14:30 - 15:00 How many mathematical cultures are there in the works of Fibonacci? An alternative perspective on differentiating cultures in mathematical practices
ID: 874 Fanglei Zheng

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 5
Session VI (Part 3/3) - Academies, Societies, Laboratories and other Institutions - Laboratories

Chair: Marek Řučanský

13:00 - 13:30 A glance at Emil Artin's mathematical laboratory – his letters to his doctoral father Gustav Herglotz
ID: 1104 Peter Ullrich
13:30 - 14:00 Visiting and working with a giant: Coauthorships and acknowledgements at the Zoophysiological Laboratory of August Krogh
ID: 1197 Allan Rye Lyngs

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 6
Virtual Hall 6
E-posters (Part 3/3)

Chair: Jiří Janáč

13:00 - 13:10  E-POSTER (De)colonizing climate change
ID: 1256     Siddharth Venkatesh
            Agnidh Ghosh

13:10 - 13:20  E-POSTER How to teach experiments in times of distance learning
ID: 1257     Susanne Gruber

13:20 - 13:30  E-POSTER Pierre Duhem Forgotten? A Reply from an Epistemological Point
ID: 1265     Mirella Fortino
            of View

13:30 - 13:40  E-POSTER Early history and development of high voltage electron microscope
ID: 1237     Kotaro Kuroda
            in Japan

13:40 - 13:50  E-POSTER Ancient and Early Modern Geometrical Optics
ID: 1270     Piotr Błaszczyk

13:50 - 14:00  E-POSTER European scientists-researchers of the Caucasus (XVIII-XIX
ID: 1272     Zulfira Gagaeva
            centuries)

14:00 - 14:10  E-POSTER Authors and patentees in aeronautics and aviation, 1880-1914
ID: 1274     Peter B Meyer

14:10 - 14:20  E-POSTER Michelangelo, Copernicus and the Sistine Chapel: the Last
ID: 1282     Valerie Shrimplin
            Judgment Decoded

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 7
CHAMA Meeting

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 8
Symposium (Part 7/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 211

Chair: Martin Weiss, Martin Weiss
Symposium organizer: Janet Laidla

13:00 - 13:30  The Very First Use of Sextants and Octants in Turkish Marine in the 18th and
ID: 289     Hakan SEMİZ
            19th Centuries

13:30 - 14:00  Scale for the Setting: The Tension Between Accuracy and Ease of Use in
ID: 479     Jane Wess
            Exploration c1830-1850

14:00 - 14:30  London as a stopover for Russian circumnavigations in the first half of the 19th
ID: 432     Feliks Gornischeff
            century

14:30 - 15:00  Britain’s worldwide seismograph network and its private funders, 1896–1932
ID: 275     Alexandra Rose

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 9

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 9

Symposium (Part 2/3) Great to small: spatial and temporal scales in the history of the geosciences (INHIGEO) (with IUGS) - ID 506

Symposium organizer: Marianne Klemun, Gregory A Good

Chair: Marianne Klemun, Gregory A Good

13:00 - 13:30 Henry Thomas De la Beche’s (1796-1855) Duria antiquior: temporal visualization within the golden age of geology (1788-1840)
ID: 656
Renee Clary

13:30 - 14:00 Small pieces of rocks, shells, sand grains and mineral nodules: islands and ocean as geological strategic projects in Brazil
ID: 660
Maria Margaret Lopes

14:00 - 14:30 Scale in the history of geology
ID: 812
Martina Kölbl-Ebert

14:30 - 15:00 Caught between cosmos and crystals, space and time: John Herschel’s planet Earth
ID: 893
Gregory Good

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 10

Symposium (2/2) Women and academic careers in Central and Eastern Europe after the 2nd World War (1945–1968). S held in honor of S. Štrbáňová (Com on Wom and Gender in Scie, Tech and Med) - ID 18

Symposium organizer: Adéla Jůnová Macková, Željko Oset

Chair: Adéla Jůnová Macková

13:00 - 13:30 Microbiologist Jindra Málková (1914-1954) between family, science and ideology.
ID: 481
Martin Franc

13:30 - 14:00 Could a woman become a professor of mathematics in a communist – ruled Poland?
ID: 30
Danuta Ciesielska

14:00 - 14:15 Soňa
ID: 1333
Milada Sekyrkova

14:15 - 14:45 Reminiscences and recollections of an “amateur“ historian of science
ID: 1322
Soňa Štrbáňová

14:45 - 15:00 Video
ID: 1334
Petr Svobodný

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 11

Symposium (6/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 129

Symposium organizer: Barton C. Hacker, Ciro Paoletti

13:00 - 13:30 Does the military need history?
ID: 336
Matitiahu Mayzel

13:30 - 14:00 On civil service: reusing military assets for civilian purposes in Italy 1945-1955
ID: 877
Ciro Paoletti

14:00 - 14:30...
Virtual Hall 11
14:00 - 14:30 Warfare in the Cyber Age - Blurred Boundaries, New Trajectories for Conflict and Competition, and the Growing Cyber Role of the Private Sector in National Defense
Christopher Weimar
ID: 900

Wednesday, July 28, 2021 13:00 – 15:00

Virtual Hall 12
Symposium (Part 1/2) Scientific Instruments and Literature (Commission on Science and Literature) - ID 286
Symposium organizer: George N. Vlahakis, Janet Laidla
Chair: Sara Schechner

13:00 - 13:30 Tell-tale instruments in Herman Melville's Moby-Dick
Sara J. Schechner
ID: 682

13:30 - 14:00 Magic instruments in literature
Convin Splettsen
ID: 802

Wednesday, July 28, 2021 15:00 – 15:30

Virtual Hall 15
Chat with Wiley

Wednesday, July 28, 2021 15:30 – 17:30

Virtual Hall 1
The gender gap in science, and in the history of science and technology: historical perspective and IUHPST/DHST policies (Com. on Women and Gender in Science, Technology and Medicine) - ID 98
Symposium organizer: Catherine Jami, Maria Rentetzi
Chair: Angela Creager

15:30 - 16:00 Gender differences in the Global Survey of Scientists
Rachel Ivie
ID: 182

16:00 - 16:30 Effects of gender on academic publishing in mathematics and physics
Helena Mihaljević
ID: 233

16:30 - 17:00 History, One of Many Tools Towards New Practices for Gender Equality in the History of Science
Isabelle Lémonon Waxin
ID: 172

17:00 - 17:30 Victorian women in the natural sciences: Historical perspectives for current Gender Gap work
Don Opitz
ID: 181

Wednesday, July 28, 2021 18:00 – 20:45

Virtual Hall 1
General Assembly

Thursday, July 29, 2021 10:00 – 12:00
Virtual Hall 1
Symposium (Part 2/4) Mathematical proofs and styles of reasoning: East vs. West - ID 55

Symposium organizer: Jens Lemanski, Ioannis Vandoulakis, Eberhard Knobloch

Chair: Eberhard Knobloch

10:00 - 10:30 Did Lobachevsky have a model of his "imaginary geometry"? Andrei Rodin
10:30 - 11:00 Proof-events and agency: a new approach to the history of proving Ioannis Vandoulakis
11:00 - 11:30 Diagrammatic proofs in the east and west Jens Lemanski
11:30 - 12:00 António Monteiro and his influence on Brazilian and Argentinian Mathematics (1945-1980) Luis Saraiva

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 2
Symposium (Part 1/3) Meteorological and magnetic observatories in the 19th century - ID 276

Symposium organizer: Fernando B. Figueiredo, Josep Batló

Chair: Fernando B. Figueiredo

10:00 - 10:30 North and south: knowledge exchange between the magnetic and meteorological observatories of Greenwich and the Cape, 1841 to 1910 Louise Devoy
10:30 - 11:00 Kew observatory in europe and beyond, 1850-1900 Lee Macdonald
11:00 - 11:30 Astronomical labourers and the self-registering instruments of the Magnetic and Meteorological Department of the Royal Observatory at Greenwich 1838-1881 Daniel Belteki

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 3
Symposium (Part 3/5) Computing in the sciences and in technology. An Aristotelian perspective (HaPoC) - ID 13

Symposium organizer: Arianna Borrelli, Liesbeth De Mol

Chair: Maarten Bullynck

10:00 - 10:30 Computers in the service of Ekistics: On the science of human settlement in the post-war period Nathalie Bredella
10:30 - 11:00 How computers helped to build Czechoslovak dams in the 1950 Helena Durnova
11:00 - 11:30 Theoretical and practical objectives of early machine translation in the 1960s Jacqueline LEON
11:30 - 12:00 The telos of confrontation: The place of ideology in history and historiography of Cold War computing Ksenia Tatarchenko
Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 4
Symposium (Part 2/2) Politics, Protest and Big Technology (ICOHTEC) - ID 565
Symposium organizer: Susan Schmidt-Horning
Chair: Antoni Roca Rosell

10:00 - 10:30  Lewis Mumford on science, technology and power  
ID: 640  Peeter Miürsepp
10:30 - 11:00  The unsung hero: reappraising the works of dr. dharmendra in leprosy research in India from 1930s to 1950s  
ID: 663  Apalak Das

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 5
Symposium (Part 1/3) History of technology and museum business in XXI century. New actors, new networks, new and old issues - ID 558
Symposium organizer: Roman Artemenko, Piotr W. Fuglewicz

10:00 - 10:10  E-POSTER Museum or "shelter for old machines"? The case of private local museums  
ID: 868  Anna V. Samokish
10:10 - 10:20  E-POSTER Making the way to post-industrial museum  
ID: 896  Roman V. Artemenko
10:20 - 10:30  E-POSTER Connected computer brands - how big brands connected unknowingly with each other  
ID: 924  Bart van den Akker
10:30 - 10:40  E-POSTER Computer museum as ICT technology archive  
ID: 933  Rihards Balodis

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 6
Symposium Popular Representation/Misrepresentation of Modern Physical Theories (Commission on the History of Physics) - ID 225
Symposium organizer: Jaume Navarro

10:00 - 10:30  Whittaker, Einstein and the History of the Ether. Alternative interpretation, blunder or bigotry?  
ID: 1291  Jaume Navarro
10:30 - 11:00  Causation and morality: Herbert Samuel and Arthur Eddington about Heisenberg’s principle  
ID: 274  Florian Laguens
11:00 - 11:30  Goethe ab omni naevo vindicatus (fere): 20th-century physicists reread Goethe vs. Newton  
ID: 1185  Rocco Gaudenzi
11:30 - 12:00  When space-time met the world revolution  
ID: 1313  Alexei Kojevnikov

Thursday, July 29, 2021 10:00 – 12:00
Virtual Hall 7
Symposium (Part 1/2) Knowledge Cultures of the In-Between (Europe/East Asia): Mixtures, Communications and Ruptures in Material Cultures of Knowledge - ID 340

Symposium organizer: Bettina Wahrig, Shao-Li Lu

Chair: Angelika Messner

10:00 - 10:30 Using female body drugs for healings and longevity in Late Ming China
ID: 570
Hsiu-fen Chen

10:30 - 11:00 Women's medicine in premodern Europe (2): Conceptions of birth, hands, time and the world: from premodern to modern obstetrics
ID: 725
Bettina Wahrig JEN-DER LEE

11:00 - 11:30 Eumenol—merck’s patent emmenagogue and its chinese contexts (1896-1961)
ID: 699
Chih-Hung Chen Shih-Hsun Liu

11:30 - 12:00 Translation, Production and Application: Western Medicine at the Early Qing Court
ID: 766

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 8
Session XIV - From Late Barock Time towards Enlightenment

Chair: Marek Ďurčanský

10:00 - 10:30 Conflict and Controversy in the University of Halle: Social Control and the Early Sciences in Germany, c. 1694-1730
ID: 1153
Ellen McLinden Luiz Carlos Soares

10:30 - 11:00 The idea of “science” in eighteenth-century England.
ID: 1031

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 9
Symposium (Part 1/3) Professional lineages and the pursuit of astronomy in medieval and early modern India (CHAMA) - ID 175

Symposium organizer: Clemency Montelle, K. Ramasubramanian

Chair: Aditya Kolachana

10:00 - 10:30 The Parvadvayasādhana of Mallāri: A Sanskrit table text to compute eclipses
ID: 399
K Ramasubramanian Sahana Cidambi

10:30 - 11:00 Ganeśapakṣa: the Grahalāghava of Ganeśa Daivajña and its commentaries by Mallāri and Viśvanātha
ID: 321
Anuj Misra Dinesh Mohan Joshi

11:00 - 11:30 From complements to critiques: the culture of astronomy in Kāśī of the seventeenth century
ID: 414

11:30 - 12:00 The Gūḍhārthaprakāśikā of Raṅganātha and its significance
ID: 333

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Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 10
Session XV (Part 1/2) - Chemistry

Chair: Jiří Šoukal

10:00 - 10:30 Philip II and the hispanic early modern empire: alchemy and natural history at Potosi
ID: 1119
Philip II and the hispanic early modern empire: alchemy and natural history at Potosi
Mariana Sánchez

10:30 - 11:00 Iatrochemistry movement at ottomans
ID: 1091
Iatrochemistry movement at ottomans
İlknur Şahin

11:00 - 11:30 The tantalum metals and the attribution of elementary status in nineteenth-century analytical chemistry
ID: 1169
The tantalum metals and the attribution of elementary status in nineteenth-century analytical chemistry
Sarah Hijmans

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 11
Symposium (Part 4/6) Transportation History: Canals and goals of civil engineering (ICOHTEC) - ID 526
Symposium organizer: Timo Myllyntaus, Hugo Pereira

Chair: Timo Myllyntaus

10:00 - 10:30 Navigation canals in Spain. Territorial and ideological impact of a utopia
ID: 788
Navigation canals in Spain. Territorial and ideological impact of a utopia
Daniel Crespo

10:30 - 11:00 The Industrial Canals: From Transport Routes to Leisure, Cultural and Environmental Corridors. Regent’s Canal, London
ID: 762
The Industrial Canals: From Transport Routes to Leisure, Cultural and Environmental Corridors. Regent’s Canal, London
Beatriz Cabau

11:00 - 11:30 The British vs. the French: Rival Traditions in the Planning of American Canals and Railroads, 1800 to 1869
ID: 841
The British vs. the French: Rival Traditions in the Planning of American Canals and Railroads, 1800 to 1869
Todd Shallat

11:30 - 12:00 Technological continuation and innovation: three super combined bridge of the Qiantang River and the Yangtze River, 1935-1969
ID: 712
Technological continuation and innovation: three super combined bridge of the Qiantang River and the Yangtze River, 1935-1969
Lie SUN

Thursday, July 29, 2021 10:00 – 12:00

Virtual Hall 12
Session XVI (Part 1/5) - Medicine

Chair: Karel Černý

10:00 - 10:30 Avicenna’s Cardiac Drugs transmitted: an examination of Quṭb al-Dīn Shirāzī’s commentary on Avicenna’s Canon of Medicine
ID: 1177
Avicenna’s Cardiac Drugs transmitted: an examination of Quṭb al-Dīn Shirāzī’s commentary on Avicenna’s Canon of Medicine
Akihiro Tawara

10:30 - 11:00 The scientific subject in the middle ages: eyeglasses, scribes, and ways of seeing
ID: 1099
The scientific subject in the middle ages: eyeglasses, scribes, and ways of seeing
Paula Nunez de Villavicencio

11:00 - 11:30 Bungler or Pioneer: Did Johann Dryander Forestall Vesalius in Brain Anatomy?
ID: 1111
Bungler or Pioneer: Did Johann Dryander Forestall Vesalius in Brain Anatomy?
Lilla Vekerdy

11:30 - 12:00 Maurício Oscar da Rocha e Silva: pharmaceutical research and its institutionalization in São Paulo – Brazil (1934 - 1942)
ID: 1181
Maurício Oscar da Rocha e Silva: pharmaceutical research and its institutionalization in São Paulo – Brazil (1934 - 1942)
Isabella Bonaventura

Thursday, July 29, 2021 10:00 – 12:00
Virtual Hall 13
Session XVII (Part 1/2) - Science and Philosophy

Chair: Lenka Ovčáčková

10:00 - 10:30 The asymmetric model of the relation between the history of science and the philosophy of science
ID: 1088
Alexander Fursov

10:30 - 11:00 Issues of evaluating the significance of Late Medieval Natural philosophy
ID: 1172
Julita Slipkauskaitė

11:00 - 11:30 Collaboration of Polish Logicians with Heinrich Scholz and “Group from Münster” (1932-1956)
ID: 1093
Gabriela Besler

11:30 - 12:00 Cooperation between dwarves and science giants to overcoming conceptual borders and build a scientific philosophy of sustainability
ID: 1114
Victor Hugo Oliveira Pinto

Thursday, July 29, 2021 10:00 – 20:00

Virtual Hall 16
Visit Virtual Lounges

Thursday, July 29, 2021 12:00 – 13:00

Virtual Hall 15
Chat with Wiley

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 1
Symposium Assistive technologies, (dis)ability studies, and public health (ICOHTEC) - ID 200

Symposium organizer: Susan Schmidt Horning, Ewelina Twardoch-Ras

Chair: Jaroslav Švelč

13:00 - 13:30 From fluorescent gloves to closed-captioning. The deaf American’s struggle for civil rights
ID: 258
Magdalena Zdrodowska

13:30 - 14:00 “Circumventive organs” and artificial tissues’ designs. Around the inside-body prosthesis in bioartistic projects
ID: 789
Ewelina Twardoch-Raś

14:00 - 14:30 When health became wealth: the Progressive Era and the economic foundations of public health in the United State
ID: 958
Michael Halpern

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 2
Symposium (Part 2/3) Meteorological and magnetic observatories in the 19th century - ID 278

Symposium organizer: Fernando Figueiredo, Josep Batló

Chair: Josep Batló
Virtual Hall 2

13:00 - 13:30  **The Toronto Magnetic Observatory as an initiator of scientific work in Canada**  
ID: 459  
Peter Broughton

13:30 - 14:00  **The visit of emperor of Brazil, Pedro ii, in 1872 to the meteorological and magnetic coimbra observatory: contributions to an archaeology of a scientific space**  
ID: 647  
Fernando B. Figueiredo

14:00 - 14:30  **Historical geomagnetic observations from Prague Observatory (1839 – 1917) and their contribution to geomagnetic research**  
ID: 738  
Pavel Hejda

14:30 - 15:00  **The first instruments of the Meteorological and Magnetic Observatory of Coimbra: the standard barometer of Welsh**  
ID: 880  
Paulo Ribeiro

**Thursday, July 29, 2021 13:00 – 15:00**

Virtual Hall 3

Symposium IUHPST essay prize lecture and presentation (DLMPST Joint Commission (JC)) - ID 315

Chair: Hasok Chang

13:00 - 13:00  **Misinformation age: What early modern scientific fakes can tell us about today’s online fabrications**  
ID: 1326  
Marlis Hinckley

**Thursday, July 29, 2021 13:00 – 15:00**

Virtual Hall 4

Symposium The History of Artificial Intelligence (AI) and Robotics in Germany (ICOHTEC) - ID 1318

Symposium organizer: Frank Dittmann, Stefan Poser

13:00 - 13:30  **Histories of Artificial Intelligence (AI) in Germany**  
ID: 1319  
Rudolf Seising, Helen Piel

13:30 - 14:00  **From Syntelman to Rotex – or the birth of autonomy**  
ID: 1321  
Frank Dittmann

14:00 - 14:30  **Comment on the Symposium’s Papers by Stefan Poser and Discussion on Robots and AI**  
ID: 1323  
Frank Dittmann

**Thursday, July 29, 2021 13:00 – 15:00**

Virtual Hall 5

Symposium (Part 2/3) History of technology and museum business in XXI century. Information technology and computer science: heritage issues - ID 845

Symposium organizer: Roman V. Artemenko, Piotr W. Fuglewicz

13:00 - 13:15  **E-POSTER How myths are born: John V. Atanasoff, Mikhail Kravchuk, and Sergey Lebedev**  
ID: 955  
Valery V. Shilov

13:15 - 13:30  **E-POSTER Timeline excerpts from the history of the Szeged IT collection**  
ID: 956  
Mihály Bohus

13:30 - 13:45  **E-POSTER Andromorphism in the language of computers: a short history**  
ID: 957  
Chris Zielinski
Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 6
Session XIX (Part 1/4) - History of Physics

Chair: Petra Hyklová

13:00 - 13:30  Estevao Cabral versus Isaac Newton: a Portuguese critique on Newtonian theories of light and colors
ID: 1008  Breno Arsioli Moura

13:30 - 14:00  Accuracy and error in Lord Rayleigh's teamwork
ID: 1143  Vasiliki Christopoulou

14:00 - 14:30  Planck's constant in retrospect
ID: 1058  Henk Kubbinga

14:30 - 15:00  Photography as a scientific tool in the study and medical illustration of the bubonic plague in Portugal (1899-1909)
ID: 1075  Maria Estela Jardim

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 7
Symposium (Part 2/2) Knowledge Cultures of the In-Between (Europe/East Asia): Mixtures, Communications and Ruptures in Material Cultures of Knowledge - ID 471

Symposium organizer: Hsiu-fen Chen, Angelika Messner

Chair: Hsiu-fen Chen

13:00 - 13:30  Therapeutic Trials of Prophylactic Alkaloids in British Malaya
ID: 578  Jiun Shen Fong

13:30 - 14:00  Coca and cinchona: enacting the material relation in/between Taiwan and the globe
ID: 579  Shao-li Lu

14:00 - 14:30  Medicalisation and its dependency on miracles and ruptures: Materialisations of drugs in South China (ca. 1870-1920)
ID: 687  Dominik Merdes

14:30 - 15:00  General discussion of Panels 471 and 340
ID: 1311  Bettina Wahrig

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 8
Symposium (Part 8/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 213

Chair: Janet Laidla

Symposium organizer: Janet Laidla

13:00 - 13:30  The catalogue of Lavoisier’s collection: new light on an important 18th century collection of scientific instruments.
ID: 767  Paolo Brenni

13:30 - 14:00  Horace-Bénédict de Saussure (1744-1799): a pioneer of alpine measurement
ID: 283  Fischer Stéphane

14:00 - 14:30  Ultramicroscopy in solid and liquid media – optical equipment to study nanoparticles prior to 1920
ID: 1095  Timo Mappes
Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 9
Symposium (Part 2/3) Professional lineages and the pursuit of astronomy in medieval and early modern India 2/3 (CHAMA) - ID 176

Symposium organizer: Clemency Montelle, K. Ramasubramanian

Chair: Anuj Misra

13:00 - 13:30 Some traditional astronomical teachings from Lalla to Bhāskarācārya through Śrīpati
ID: 387 Jambugahapitiye Dhammaloka
13:30 - 14:00 Remarkable contributions of Muniśvara: Dadhigrāma's tail end astronomer
ID: 402 Mahesh K
14:00 - 14:30 Mathematical-Astronomical works by Luṭfullāh and Khairullāh, son and grandson of Ahmad Ma’mār, the architect of Taj Mahal
ID: 426 S M Razaullah Ansari
14:30 - 15:00 The use of continued fraction technique among the works of Kerala astronomers
ID: 514 Venketeswara Pai R.

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 10
Session XV (Part 2/2) - Chemistry

Chair: Jiří Šoukal

13:00 - 13:30 Russian colloid chemist Weymarn’s activity in Japan in 1920s
ID: 1056 Takako Honjo
13:30 - 14:00 The Chemical Agent Monitor: UK-US technological collaboration in the 1980s
ID: 1262 Abigail Eiceman
14:00 - 14:30 Hierarchies of models: creating a normative framework for computational quantum chemistry
ID: 1151 Stylianos Kampouridis
14:30 - 15:00 The politicisation of hydroxychloroquine during sars cov-2 pandemic- making a giant of a dwarf
ID: 1205 Kamna Tiwary

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 11
Symposium (Part 1/2) Transnational entanglements in Cold War social science – ID 359

Symposium organizer: Christian Dayé, Verena Lehmbrock

Chair: Christian Dayé

13:00 - 13:30 Cold War social sciences: Transnational entanglements
ID: 419 Mark Solovey
13:30 - 14:00 Catastrophes, cross-cultural studies, and Cold War: The transnationalism of US-American “social science disaster research”
ID: 513 Cécile Stehrenberger
14:00 - 14:30 From Industrial Sociology to Social Planning: Sociology and Welfare Policies in Czechoslovakia 1968-1989
ID: 777 Vítězslav Sommer
Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 11
14:30 - 15:00 Paying attention to each other’s feelings. East German management training and the transnational genealogy of its psychological techniques
Verena Lehmbrock
ID: 827

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 12
Session XVI (Part 2/5) - Medicine
Chair: Tereza Kopecká

13:00 - 13:30 Rough on rats: pesticides and suicides in the age of empire
Peter Soppelsa
ID: 1236

13:30 - 14:00 Ukrainian researchers of the spanish flu pandemic in 1918-1920
Olena Vasylieva
ID: 1083

14:00 - 14:30 Science, history and ethic: the anthropological anti-racist discourse of Juan Comas in Mexico.
Miguel García Murcia
ID: 1087

14:30 - 15:00 The Relationship between People's Beliefs and Medical Activities in Hubei in Late Imperial China
Lu Cheng
ID: 1090

Thursday, July 29, 2021 13:00 – 15:00

Virtual Hall 13
Session XVIII (Part 1/2) - Mathematics
Chair: Alena Šolcová

13:00 - 13:20 Different languages of number: a comparative study of the numerical mysticism of Early Pythagoreanism and Book of Changes(Chou i)
Yimeng Wang
ID: 1167

Zeinab Karimian
ID: 1200

13:40 - 14:00 New Insights into the Medieval Arabic Transmission of Euclid’s Elements
Gregg De Young
ID: 1108

14:00 - 14:20 “Arte giamata arismetica et cum altre cose insema”: abbacus manuscripts in 15th-century Lombardy
Nadia Ambrosetti Elena Ausejo
ID: 1062

14:20 - 14:40 Tratado de la fábrica y uso de las pantómetras (Anonymous, 17th c.)
ID: 1076

Thursday, July 29, 2021 15:00 – 15:30

Virtual Hall 15
Chat with Wiley

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 1
Virtual Hall 1
Symposium_Migration, transportation, mobility and displacement (ICOHTEC) - ID 158
Symposium organizer: Susan Schmidt-Horning, Jan Musekamp

15:30 - 16:00 Displaced cities: interiority and identity in refugee camp
ID: 201
Rana Abudayyeh
16:00 - 16:30 Fish vs. Oil: pollution of the Volga and conservation science in the late imperial and early Soviet Russia (1870-1931)
ID: 473
Andrei Vinogradov
16:30 - 17:00 Racist Borders: Technology, Pseudo-Science and Migration Policies in late 19th Century Germany, Russian Empire, Canada, and Brazil
ID: 241
Jan Musekamp
17:00 - 17:30 Mobile Jobs, Mobile Worksites in the Tennessee Valley Authority (TVA), 1931-1945.
ID: 382
Tracy Walker Moir-McClean

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 2
Symposium (Part 4/4) The materiality of knowledge circulation between China and Europe: physical formats, epistemic genres, spatial localities (16th-18th century) (ISHEASTM) - ID 34
Symposium organizer: Huiyi Wu, Marta Hanson
Chair: Catherine Jami

15:30 - 16:00 Little tools of Sinographic knowledge
ID: 194
Florence Hsia
16:00 - 16:30 Michael Boym SJ (1612-1659) and the publication of Flora Sinensis (Vienna, 1656) as part of the Jesuit enterprise
ID: 568
Eszter Csillag
16:30 - 17:00 Georg Joseph Kamel SJ (1661–1706): Natural knowledge in transit between the Philippines and Europe
ID: 50
Sebastian Kroupa
17:00 - 17:30 The Golden Mirror of Flowing Waters and the Global Mapping of Waterways
ID: 727
Alexander Statman

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 3
Symposium (Part 4/5) Computing in the sciences and in technology. An Aristotelian perspective (HaPoC) - ID 14
Symposium organizer: Arianna Borrelli, Liesbeth De Mol
Chair: Liesbeth De Mol

15:30 - 16:00 How Lew Kowarski brought computing to CERN
ID: 48
Arianna Borrelli
16:00 - 16:30 The principle of the division of labor in computing practices (1940s-1950s): presuppositions, advances, biases
ID: 771
Marie-José Durand-Richard
16:30 - 17:00 "Coded conduct: making users and the automation of mathematics"
ID: 236
Stephanie Dick
Virtual Hall 3
17:00 - 17:30  Platonic circuits. Cybernetics and idealism in the early 1960s  Jan Mueggenburg

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 4
Symposium (Part 4/5) Re-scaling & de-centering the history of oceanography: the ‘hidden figures’ and hidden dimensions of global ocean science (International Commission of the History of Oceanography) - ID 455

Symposium organizer: Penelope Hardy, Cornelia Lúdecke
Chair: Penelope Hardy

15:30 - 16:00  Giants of the deep: Scientific and cultural encounters with polar gigantism in Antarctica  Joy McCann
16:00 - 16:30  Science in a Sub: the inter-war expeditions of Vening Meinesz  Katharine Anderson
16:30 - 17:00  Canada’s underwater habitat program and vertical dimensions of marine sovereignty  Antony Adler

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 5

Symposium organizer: Roman V. Artemenko, Piotr W. Fuglewicz
Chair: Florian Bettel

15:30 - 15:45  E-POSTER Eastern European computers in the 60s and 70s: independent design, licensing, and cloning  Tomasz Kulisiewicz
15:45 - 16:00  E-POSTER Iskra Delta project "Milijarda" (en.: Billion) – Yugoslavs setting up an internet network in China in 1984  Gaja Zornada
16:00 - 16:15  E-POSTER The origins of computer industry in Slovakia  Martin Šperka

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 6
Symposium Tradition, innovation, and emerging technologies (ICOHTEC) - ID 240

Symposium organizer: Susan Schmidt-Horning, Jaroslav Švelch
Chair: Florian Bettel

15:30 - 16:00  Creative Construction: The Integral Importance of Froth, Fraud and Fear in Emerging Technologies  Jonathan Coopersmith
16:00 - 16:30  Metering power: thieves and innovation in electric Mexico City, 1900-1918.  Diana Montano
Virtual Hall 6
16:30 - 17:00 “Like dwarves perched on the shoulders of giants”. Tradition and innovation in salt extraction technologies: the case of Tuscany (centuries 15th BC-21st AD) ID: 404 Valentina Limina

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 7
Symposium Neighborhood relations: Revisiting the history of biochemistry and its neighbors in the first half of the twentieth century - ID 193
Symposium organizer: Gina Surita, Caterina Schürch, Gina Surita

15:30 - 16:00 Biochemistry — characterized by its linking capacities ID: 260 Caterina Schürch
16:00 - 16:30 "Tymonucleic acid was not as respectable as our DNA": Jean Brachet’s research on nucleic acid metabolism (1929-1945) ID: 232 Alessandra Passariello
16:30 - 17:00 Commentary: Of biochemical communities, identity-forming alliances, and Otto Warburg’s poaching in foreign disciplinary territories ID: 487 Kärin Nickelsen

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 8
Symposium (Part 9/14) Scientific Instrument Commission - Annual General Meeting (SIC)

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 9
Symposium (Part 3/3) Professional lineages and the pursuit of astronomy in medieval and early modern India (CHAMA) - ID 177
Symposium organizer: Clemency Montelle, K. Ramasubramanian
Chair: Venketesvara Pai

15:30 - 16:00 Mādhava's Lagnaprakaraṇa and its influence on the Kerala school ID: 282 Aditya Kolachana
16:00 - 16:30 Mathematics embedded in the nrṛttam and saṅgītāṃ traditions of India ID: 337 Sruthi Natanakumar
16:30 - 17:00 Investigations on eclipse data preserved in the Kerala tradition ID: 380 D.G. Sooryanarayan

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 10
Virtual Hall 10
Symposium Other than the Population Council: A Trans-Asian History of Science and the Population Problem in East Asia - ID 45

Symposium organizer: Aya Homei, Jaehwan Hyun

Chair: Aya Homei

15:30 - 16:00 Imperial Geography of Population: Population at the Intersection of Empire, Nation, and Race in 1910’s Korea
Jin-kyung Park
ID: 93

16:00 - 16:30 “Fertile Womb Battalion”: The Politics of Motherhood in the Japanese Wartime Population Policy
Su Jin Lee
ID: 561

16:30 - 17:00 Belated eugenics? “Feeble-minded” children and the emergence of medical genetics in South Korea
Jaehwan Hyun
ID: 525

17:00 - 17:30 Technoscience and Fertility Governance in Taiwan’s Family Planning Programs, 1960s-1970s
Yu-Ling Huang
ID: 434

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 11
Symposium (Part 2/2) Transnational entanglements in Cold War social science – ID 368

Symposium organizer: Mark Solovey, Vítězslav Sommer

Chair: Vítězslav Sommer

15:30 - 16:00 Becoming an Area Expert During the Cold War: Americanism and Lustropicalismo in the Transnational Career of Anthropologist Charles Wagley, 1939-1971
Sebastián Gil-Riaño
ID: 823

16:00 - 16:30 Decentering Cold War Social Science: Alva Myrdal's Social Scientific Internationalism at UNESCO, 1950-1955
Per Wisselgren
ID: 780

16:30 - 17:00 ‘Knowledge Societies’ in the Cold War: When ‘knowledge’ and social science expertise became highly controversial (1940-1980)
Markus Arnold
ID: 588

17:00 - 17:30 'Algorithmic thinking' as a Soviet reinvention of Western theories: cognitive psychology in the USSR in the 1960s --1970s.
Ekaterina Babintseva
ID: 855

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 12
Symposium (Part 1/2) The shaping of differences in the historiography of ancient mathematics - Editing and translating ancient mathematical texts (IASCUD) - ID 543

Symposium organizer: Karine Chemla, Erwin Neuenschwander

Chair: Erwin Neuenschwander

15:30 - 16:00 Authority and Authenticity. Editing ancient mathematics in Restoration Oxford
Philip Beeley
ID: 659

16:00 - 16:30 J. -L. Lagrange and the translation and diffusion of the greek texts
Xiaofei Wang
ID: 730
Virtual Hall 12

16:30 - 17:00 Using European Algebra to Interpret Chinese Traditional Mathematics: The Role of Mei Juecheng (1681-1764) in the Development of Evidential Studies
ID: 804 Qi Han

17:00 - 17:30 Mathematics and Evidential Scholarship in Eighteenth Century China
ID: 1324 Yiwen Zhu

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 13
Session XVIII (Part 2/2) - Mathematics

Chair: Alena Šolcová

15:30 - 16:00 The axiomatization of arithmetic: from Grassmann to Peano
ID: 1195 Michel Salazar

16:00 - 16:30 'As a experienced missionary would explain the gospel to cannibals': Terracini and Levi in Argentina (1938-1948)
ID: 1112 Erika Luciano

16:30 - 17:00 Numbers matter – Identity formation, scientific boundaries and community building in applied mechanics and applied mathematics in Denmark
ID: 1059 Laila Zwisler

17:00 - 17:30 On the meaning of mathematical patrimony: the case-study of Gino Fano's personal collection
ID: 1084 Elena Scalambro

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 1
Symposium Medical technologies (ICOHTEC) - ID 239

Symposium organizer: Susan Schmidt-Horning, Fanxiang Min

Chair: Yuping Zhou

18:00 - 18:30 Technology and Space——An Evolutionary History of the Operation Room: How did Medical Ideas and Technologies Shape and Reshape Surgical Space?
ID: 515 Fanxiang MIN

18:30 - 19:00 Urban life, medicine market and medical school: regional medical society of Hangzhou from the 16th to 18th centuries
ID: 694 Yurong Feng

19:00 - 19:30 A Preliminary Comparison of the Development of TCM Hospitals and WM hospitals in Modern Shanghai
ID: 982 Na Yan

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 2
Symposium (Part 3/3) Meteorological and magnetic observatories in the 19th century - ID 279

Symposium organizer: Fernando B. Figueiredo, Josep Batló

Chair: Louise Devoy

18:00 - 18:30 The creation of the Austrian I.R. Central Institute of Meteorology and Earth magnetism (ZAMG) in 1851
ID: 592 Christa Hammerl
Virtual Hall 2
18:30 - 19:00  **Fail at home, success abroad. The case of the Spanish geomagnetic observatories in the XIX century**  
ID: 743  
Josep Batlló

19:00 - 19:30  **History of space weather studies and observations: Russian aspect**  
ID: 779  
Anatoly Soloviev

19:30 - 20:00  **Algiers 1841: French colony to serve the Magnetic crusade?**  
ID: 818  
Frederic Soulu

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 3
Symposium (Part 5/5) Computing in the sciences and in technology. An Aristotelian perspective (HaPoC) - ID 15

Symposium organizer: Arianna Borrelli, Liesbeth De Mol

Chair: Troy Astarte

18:00 - 18:30  **What’s in a name? Origins, transpositions and transformations of the triptych Algorithm – Code – Program**  
ID: 75  
Liesbeth De Mol

18:30 - 19:00  **A multiperspective causal analysis of computing in predictive models based on machine learning**  
ID: 257  
Franck Varenne

19:00 - 19:30  **Roundtable: Promoting dialogue in the history of computing – an Aristotelean perspective**  
ID: 277  
Daniela Zetti

19:30 - 20:00  **Finding a story for the history of computing**  
ID: 901  
Thomas Haigh

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 4
Symposium (Part 5/5) Re-scaling & de-centering the history of oceanography: the ‘hidden figures’ and hidden dimensions of global ocean science (International Commission of the History of Oceanography) - ID 836

Symposium organizer: Penelope K. Hardy, Cornelia Lüdecke

Chair: Helen Rozwadowski

18:00 - 18:30  **Secrecy and Sea-floor spreading: Rethinking the role of Navy oceanography in the development of plate tectonics**  
ID: 980  
Naomi Oreskes

18:30 - 19:00  **An ‘open secret’: Geologists and oil industry secrecy in the Mediterranean’s seafloor exploration**  
ID: 977  
Beatriz Martinez-Rius

19:00 - 19:30  **Secrecy and seabed mining: questioning the freedom of marine science during the 1970s**  
ID: 983  
Sam Robinson

19:30 - 20:00  **The Invisible Sinking Surface: Hydrogeology, Fieldwork and Photography in California**  
ID: 1295  
Rina C. Faletti

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 5
Virtual Hall 5
Symposium (Part 1/2) Pedagogy beyond giants and dwarfs: using the history of science to enhance education and promote inclusiveness - ID 508

Symposium organizer: Karen A. Rader, Daniel Gamito-Marques

Chair: Karen A. Rader, Daniel Gamito-Marques

18:00 - 18:30 The History of Chemistry in Chemical Education
ID: 793
John Powers

18:30 - 19:00 In praise of a historical storytelling approach in science education
ID: 781
Daniel Gamito-Marques

19:00 - 19:30 Big history in 10-minute videos: How highlights help in survey courses
ID: 751
Allison Marsh

19:30 - 20:00 Bringing history into the lab: a new approach to scientific learning in general education
ID: 763
David Brandon, Dennis

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 7
Symposium Artifices in human form: bodies as technology and technologies of the body in early modern and modern China (ICOHTEC) - ID 343

Symposium organizer: Mary Augusta Brazelton, Whitney Laemmli, Whitney Laemmli

18:00 - 18:30 Penicillin and the industrialization of pharmaceutical technologies in China
ID: 651
Mary Brazelton

18:30 - 19:00 Industrial craft: machine, skill, and the making of the factory system
ID: 653
Yuan Yi

19:00 - 19:30 Medical things and the healer’s body in the Qing court’s Golden Mirror, 1742
ID: 654
Marta Hanson

19:30 - 20:00 Psychology as bodily technology in industrial China
ID: 729
Victor Seow

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 8
Symposium (Part 10/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 215

Symposium organizer: Janet Laidla

Chair: Rebekah Higgitt

18:00 - 18:30 Science, commerce, and art: the evolution and significance of the microscope slide
ID: 546
Alexi Baker

18:30 - 19:00 The IGN instrument Gallery – a collection of threatened instruments
ID: 873
Loïc Jeanson, Jean Davoineau

19:00 - 19:15 E-POSTER A paper sky - Planispheric celestial volvelles
ID: 1279
Thomas Hockey
Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 9

Symposium (Part 3/3) Evolution of mathematics in China: major figures, anonymous contributors, and the giants among them (ICHM) (with IMU)- ID 70

Symposium organizer: Joseph W. Dauben, Shuchun Guo

Brief Introduction: Joseph W. Dauben

Chair: Jeff Chen

18:00 - 18:30 Woodsman and commoner: why did Zhao Shuang and Liu Hui become interested in gou-gu methods? ID: 105 Zhigang Ji
18:30 - 19:00 Liu Hui, Jia Xian, Yang Hui, and two problems in the Nine Chapters on the Art of Mathematics: inscribing squares and circles in given right triangles ID: 117 Joseph Dauben
19:00 - 19:30 Some examples of how correctly transcribe characters in the 筋數書 Suanshushu ID: 122 XULIN ZHOU
19:30 - 20:00 Yang Hui's Study of Mathematics in 13th-Century China ID: 132 Wann-Sheng Horng

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 10

Symposium (Part 1/2) Symposium_Gender and technological systems (ICOHTEC) - ID 121

Symposium organizer: Susan Schmidt-Horning, Peeter Müürsepp

Chair: Susan Schmidt-Horning

18:00 - 18:30 The united states’ wireless women of world war I ID: 155 Alexander Magoun
18:30 - 19:00 “Not spoke for”: rearticulating gender, labor, and technology ID: 494 Khanh Vo
19:00 - 19:30 Al Jolson or Helen Tykociński? A controversy over who was the first to give voice to a film ID: 695 Sławomir Łotysz

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 11

Symposium (Part 5/6) Transportation History: Modern landborne transport solutions: from roads to hubs (ICOHTEC) - ID 530

Symposium organizer: Timo Myllyntaus, Hugo Pereira

Chair: Hugo Pereira

18:00 - 18:30 From the atmospheric railway to Hyperloop: pneumatic transport from the 19th until the 21st century ID: 718 Laura Meneghello
Virtual Hall 11
18:30 - 19:00 **Making transportation easier and faster for whom? The emphasis on automobility of post-war traffic engineering and its appropriation in Portugal**
ID: 728
M. Luísa Sousa
19:00 - 19:30 **Transportation hubs: new public spaces for the city**
ID: 887
Patricia Hernández-Lamas Beatriz Cabau

**Thursday, July 29, 2021 18:00 – 20:00**

Virtual Hall 12
Session XX - Genetics
Chair: Soňa Štrbáňová

<table>
<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00 - 18:20</td>
<td>1103</td>
<td>Neither giants nor dwarves: eugenic family studies and the quest for the &quot;normal&quot; citizen in interwar czechoslovakia</td>
<td>Vojtěch Pojar</td>
</tr>
<tr>
<td>18:20 - 18:40</td>
<td>1201</td>
<td>Mendel Memorial Symposium 1965 – The event of genetics between the past, ideology and its modern development</td>
<td>Simona Slezáková</td>
</tr>
<tr>
<td>18:40 - 19:00</td>
<td>1144</td>
<td>Sketching an &quot;Andean race&quot; through early-twentieth-century scientific diagrams of the &quot;Mongolian spot&quot;</td>
<td>Paloma Rodrigo Gonzales</td>
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<tr>
<td>19:00 - 19:20</td>
<td>1069</td>
<td>Erotetic Aspects of the History of Classical Genetics</td>
<td>Pablo Lorenzano</td>
</tr>
<tr>
<td>19:20 - 19:40</td>
<td>1106</td>
<td>Once upon a time in the Cold War: the construction of molecular genetics of bacteria in Mexico</td>
<td>Marco Ornelas-Cruces</td>
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Virtual Hall 13
Symposium (Part 3/3) CHCMS (History of Chemistry and Molecular Sciences) - ID 1296
Symposium organizer: Brigitte Van Tiggelen
Chair: Cyrus Mody

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<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
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<tbody>
<tr>
<td>18:00 - 18:30</td>
<td>1306</td>
<td>Vanadium: A History of Mexican Chemistry</td>
<td>Rocio Gomez</td>
</tr>
<tr>
<td>18:30 - 19:00</td>
<td>1307</td>
<td>Chemurgy: Agricultural Engineering in Republican China and the American Midwest, 1925-1935</td>
<td>Tristan Revells</td>
</tr>
<tr>
<td>19:00 - 19:30</td>
<td>1308</td>
<td>Chemical information and the history of modern chemistry</td>
<td>Evan Hepler-Smith</td>
</tr>
<tr>
<td>19:30 - 20:00</td>
<td>1310</td>
<td>Comment and general discussion</td>
<td>Brigitte Van Tiggelen</td>
</tr>
</tbody>
</table>

**Friday, July 30, 2021 10:00 – 12:00**

Virtual Hall 1
Virtual Hall 1
Symposium (Part 1/2) The role of universities in Soviet science - ID 222
Symposium organizer: Sergey Shalimov, Hirofumi Saito
Chair: Sergey Shalimov, Hirofumi Saito

10:00 - 10:20 E-POSTER From initiative to plan. Features of the organization of scientific research in Russian universities of the Imperial and Soviet periods
ID: 296 Mikhail Gribovskiy
10:20 - 10:50 Molecular biology in Soviet universities in the early 1960s
ID: 308 Jérôme PIERREL
10:50 - 11:20 Science studies in the Soviet Union
ID: 628 Viktor Kupriyanov
11:20 - 11:50 The value and the role of the universities in the development of scientific schools and research areas: the experience of Tomsk universities in the 20th century
ID: 928 Alexander Sorokin

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 2
Symposium (Part 3/4) Mathematical proofs and styles of reasoning: East vs. West - ID 73
Symposium organizer: Jens Lemanski, Ioannis Vandoulakis, Eberhard Knobloch
Chair: Jens Lemanski

10:00 - 10:30 Mathematical rigour, mathematical creativity, and the transgression of limits
ID: 230 Eberhard Knobloch
10:30 - 11:00 "Proofs as Games?" Frege vs. Hilbert and Wittgenstein
ID: 268 Ingolf Max

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 3
Symposium (Part 1/2) Reading the skies: exploring the intersection of ethnometeorology, folk traditions and meteorology (Commission on the History of Meteorology) - ID 416
Symposium organizer: Alexander Hall, Natalija Janc
Chair: Alexander Hall

10:00 - 10:30 Folk meteorology in spanish philippines: Indigenous views on weather, climate, and the environment in the philippines, 16th-19th century
ID: 572 Kerby Alvarez
10:30 - 11:00 Weather and Religion in Europe in the Vulgar Era: the Meteo - providential Saints
ID: 573 Matteo De Vincenzi
11:00 - 11:30 Weather lore and meteorology in the notes of Jan Strialius of Pomnouš (1535/1536-1582)
ID: 619 Barbora Kocánová
11:30 - 12:00 The meteorological knowledge and beliefs in ancient Greece in "Diosemeia" of Aratus
ID: 631 Milan S. Dimitrijević

Friday, July 30, 2021 10:00 – 12:00
Virtual Hall 4
Symposium (Part 1/5) Art, image, and astronomical knowledge (ICHA/CHAMA) - ID 184

Symposium organizer: Sara J. Schechner, Yunli Shi

10:00 - 10:30  What can Neolithic imagery convey about bright stellar transients?  Richard Strom
ID: 518

10:30 - 11:00  The Many Face(t)s of Comets in Early Modernity  Anna Jerratsch
ID: 339

11:00 - 11:30  Mount Taranaki, the great comet of 1882, and the genesis of cometary photography in New Zealand  John Drummond
ID: 553

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 6
Symposium (Part 3/5) Science and literature in small and large scales (Commission on Science and Literature) - ID 273

Symposium organizer: George N. Vlahakis

Chair: Manolis Kartsonakis

10:00 - 10:30  The evolution of scientific instruments as a history of intersecting lives: Literature representations of the scientific progress at the 16th century Astronomy  Manolis Kartsonakis
ID: 724

10:30 - 11:00  «Greek Gifted Students’ Emotional, Social and Academic Experiences: A Qualitative Analysis»  Anastasia Kyritsi
ID: 759

11:00 - 11:30  The problem of scientific terminology in Lady Welby’s significs  Ekaterina Shashlova
ID: 1246

11:30 - 12:00  The Doctor - Poet Miltiades Emmanuel (1825-1916), the dengue fever in the city of Smyrna in Asia Minor and a satirical poem  Konstantinos Konstantopoulos
ID: 737

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 7
Symposium (Part 1/3) Interactions and interchanges in the history of science, technology, and medicine - ID 151

Symposium organizer: Hugh Richard Slotten, Geoff Bil

Chair: Hugh Slotten

10:00 - 10:30  Symposium Introduction and overview  Hugh Slotten
ID: 390

10:30 - 11:00  Collecting, classifying and constructing nature: indigenous knowledge and the naming of species in the Pacific, 1768–1782  Edwin Rose
ID: 594

11:30 - 12:00  Implementing global health policy: eradicating smallpox in Nepal  Susan Heydon
ID: 796

Friday, July 30, 2021 10:00 – 12:00
Virtual Hall 8
Symposium Unexpected Technology-Based Games (ICOHTEC) - ID 280

Symposium organizer: Florian Bettel, Jaroslav Švelch

Chair: Stefan Poser

10:00 - 10:30  Tourism – a Kind of Playing? A methodological approach  Stefan Poser
ID: 937
10:30 - 11:00  PlayXR – prototyping multiplayer mixed reality gaming  Georg Hobmeier
ID: 584
11:00 - 11:30  Neuromorphic Games, from Ramon y Cajal to art and play in public experiments with Brain Computer Interfaces  Margarete Jahrmann
ID: 882
11:30 - 12:00  Playgrounds—Topographies of Play and Technology  Florian Bettel
ID: 358

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 9
Symposium (Part 1/2) They might be giants: lesser power and alternative channel efforts in science diplomacy (Commission on Science, Technology and Diplomacy)- ID 484

Symposium organizer: Sam Robinson

Chair: Rebekah Higgitt, Simone Turchetti

10:00 - 10:30  Combining History and International Relations to theorize non-state science diplomacy actors; lessons from H2020 InsSciDE  Rasmus Gjedsø Bertelsen
ID: 698
10:30 - 11:00  Competing with giants: the alliance between science and diplomacy for the defense of Portuguese colonial claims in the Congo  Daniel Gamito-Marques
ID: 783
11:00 - 11:30  Instruments in science diplomacy: Seismographs and the Limited Test Ban Treaty  Lif Jacobsen
ID: 962
11:30 - 12:00  A disunited front: china’s failure to win support for bacteriological warfare allegations in the world federation of scientific workers  Gordon Barrett
ID: 741

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 10
Session XVI (Part 3/5) - Medicine

Chair: Tereza Kopecká

10:00 - 10:30  A mother’s siege: love and knowledge in understanding autism  Marga Vicedo
ID: 1125
10:30 - 11:00  Early experimental-psychological work on deductive reasoning in the light of logical positivism  Niki Pfeifer
ID: 1126

Friday, July 30, 2021 10:00 – 12:00

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 11
Symposium (7/7) 16th Annual Symposium of the Social History of Military Technology (ICOHTEC) - ID 130
Symposium organizer: Barton C. Hacker, Ciro Paoletti

10:00 - 10:30  An age of crisis in space?: science fiction and the future of space warfare  
ID: 362  
Heather Venable

10:30 - 11:00  The Social History of the GPS: How Precision Navigation and Timing has Transformed Our Lives  
ID: 466  
Michaela Schannep

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 12
Symposium (Part 2/2) The shaping of differences in the historiography of ancient mathematics - Editing and translating ancient mathematical texts (IASCUD) - ID 547
Symposium organizer: Karine Chemla, Erwin Neuenschwander
Chair: Karine Chemla

10:00 - 10:30  Historiography in the making: Humboldt and the mathematicians on ancient mathematical texts  
ID: 630  
Ivahn Smadja

10:30 - 11:00  Editing the Rhind Mathematical Papyrus  
ID: 620  
Christopher Hollings

11:00 - 11:30  Differences between interpretations using and not using modern mathematical symbols? The “procedure of pile-accumulation” in the Jade Mirror (1303)  
ID: 825  
Xiaohan Zhou

11:30 - 12:00  Van der Waerden’s Approach to History of Science. His methods and results in comparison to contemporaries  
ID: 847  
Erwin Neuenschwander

Friday, July 30, 2021 10:00 – 20:00

Virtual Hall 16
Visit Virtual Lounges

Friday, July 30, 2021 13:00 – 14:00

Virtual Hall 5
CHCMS Business Meeting

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 1
Symposium (Part 2/2) The role of universities in Soviet science - ID 224
Symposium organizer: Sergey Shalimov, Hirofumi Saito
Chair: Sergey Shalimov, Hirofumi Saito
**Virtual Hall 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker/Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00 - 13:30</td>
<td><strong>Science in the Soviet Satellites: East-German Research on an example of the Central Institute for Nutrition</strong></td>
<td>Georgy Levit</td>
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<tr>
<td>13:30 - 14:00</td>
<td><strong>Genetics in Soviet universities in the “post-Lysenko” epoch</strong></td>
<td>Sergey Shalimov</td>
</tr>
<tr>
<td>14:00 - 14:30</td>
<td><strong>Resuming the exchanges between Soviet and French universities after Stalin’s death: the example of the mathematician A.N. Kolmogorov’s visit to Nancy and Paris in 1958</strong></td>
<td>Laurent MAZLIAK</td>
</tr>
<tr>
<td>14:30 - 15:00</td>
<td><strong>Soviet university seen from Japanese academia</strong></td>
<td>Hirofumi Saito</td>
</tr>
</tbody>
</table>

**Friday, July 30, 2021 13:00 – 15:00**

Virtual Hall 2
ISHEASTM Meeting

**Friday, July 30, 2021 13:00 – 15:00**

Virtual Hall 3
Symposium (Part 2/2) Reading the skies: exploring the intersection of ethnometeorology, folk traditions and meteorology (Commission on the History of Meteorology) - ID 418

Symposium organizer: Alexander Hall, Natalija Janc

Chair: Alexander Hall

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
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<tbody>
<tr>
<td>13:00 - 13:30</td>
<td><strong>Manchester the rainy city: the emergence, popularisation and persistence of a meteorological myth</strong></td>
<td>Alexander Hall</td>
</tr>
<tr>
<td>13:30 - 14:00</td>
<td><strong>Reading the skies: exploring the intersection of ethnometeorology, folk traditions and meteorology</strong></td>
<td>Biswanath Dash</td>
</tr>
<tr>
<td>14:00 - 14:30</td>
<td><strong>Climate at the margins: how consumer demand can exacerbate vulnerabilities to climatic fluctuations</strong></td>
<td>Robert Naylor</td>
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<tr>
<td>14:30 - 15:00</td>
<td><strong>The application of meteorology by the Republic of China in the development of rural areas, 1912-1949</strong></td>
<td>Xiao Liu</td>
</tr>
</tbody>
</table>

**Friday, July 30, 2021 13:00 – 15:00**

Virtual Hall 4
Symposium (Part 2/5) Art, image, and astronomical knowledge (ICHA/CHAMA) - ID 185

Symposium organizer: Sara J. Schechner, Yunli Shi

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>13:00 - 13:30</td>
<td><strong>Star atlas: ancient astronomy in the planetarium</strong></td>
<td>Katie Boyce-Jacino</td>
</tr>
<tr>
<td>13:30 - 14:00</td>
<td><strong>Some thoughts on stellar constellations in rock art</strong></td>
<td>Christiaan Sterken</td>
</tr>
<tr>
<td>14:00 - 14:30</td>
<td><strong>Reconstruction of historical constellations</strong></td>
<td>Susanne M Hoffmann</td>
</tr>
</tbody>
</table>

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 4
14:30 - 15:00 The Hellenistic constellations through words and images  Stamatina Mastorakou
ID: 254

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 6
Session XIX (Part 2/4) - History of Physics

Chair: Petra Hyklová

13:00 - 13:30 The introduction of vacuum tubes by the Imperial Japanese navy, 1914-1918  Kento Yokoi
ID: 1247

13:30 - 14:00 Virtual Particles: From Hideki Yukawa to Richard Feynman  Jean-Philippe Martinez
ID: 1123

14:00 - 14:30 Atomic fish: Sublime and non-sublime nuclear nature imaginaries  Anna Storm
ID: 1198

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 7
Symposium (Part 2/3) Interactions and interchanges in the history of science, technology, and medicine - ID 162

Symposium organizer: Hugh Richard Slotten, Geoff Bil

13:00 - 13:30 Linnean taxonomy of the New Zealand fauna: From Cook’s collections to modern genetics  Hamish Spencer
ID: 393

13:30 - 14:00 Tracing the Artisan in a Philosopher's Practices  Catherine Abou-Nemeh
ID: 396

14:00 - 14:30 Missionaries and science in global context  John Stenhouse
ID: 798

14:30 - 15:00 The making of green gold: An entangled history of medicinal plants introduced to the Philippines in the Age of the Galleons  Marianne Jennifer R. Datiles
ID: 926

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 8
Symposium (Part 11/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 216

Symposium organizer: Janet Laidla

Chair: Sofia Talas, Sofia Talas

13:00 - 13:30 The second sense: 19th-century sound experiments in the Czech lands and why they came to be seen as peripheral  Anna Kvicalova
ID: 1261

13:30 - 14:00 A failed object or a failure of an object? The Electrophone in Britain 1893 – 1935  Natasha Kitcher
ID: 1053
Virtual Hall 8
14:00 - 14:30 Visualization of Astronomical Interfusion: A Geocentric Armillary Sphere in the Qing Dynasty Palace in 1669
ID: 400 Nan Zhang

14:30 - 15:00 Horoscopes in the seventeenth-century Ottoman annual astrological predictions: Hüseyin Efendi’s Aḥkām-ı tāli‘-i sāl ve takvīm
ID: 1154 Danışan Gaye

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 9
Symposium (Part 2/2) They might be giants: lesser power and alternative channel efforts in science diplomacy (Commission on Science, Technology and Diplomacy) - ID 485
Symposium organizer: Sam Robinson
Chair: Lif Jacobsen
13:00 - 13:30 Ukrainian science diplomacy in interwar Central Europe
ID: 677 Martin Rohde
13:30 - 14:00 Building Europe through physics during the Cold War
ID: 775 Roberto Lalli
14:00 - 14:30 They might be giants: lesser power and alternative channel efforts in science diplomacy - Part 2/2
ID: 917 Katrin Heilmann
14:30 - 15:00 American ‘Soft Power’ in France, 1801-1851
ID: 684 Andrew Butrica

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 10
Session XVI (Part 4/5) - Medicine
Chair: Tereza Kopecká
13:00 - 13:30 Quarantines in the Russian Empire: Entangled Histories of Medical Knowledge, Diseases and Policy Measures
ID: 1140 Ekaterina Petrenko
13:30 - 14:00 Establishing Rapport: Gary Fisher’s LSD Treatment of Autistic and Schizophrenic Children in the 1960s
ID: 1202 Andrew Jones
14:00 - 14:30 The poliomyelitis in Mexico and its contribution to the progress and consolidation of orthopedics as a medical specialty in Mexico, 1946-1960
ID: 1081 José Luis Gómez De Lara
14:30 - 15:00 Hilary Koprowski - the forgotten winner in the fight against polio
ID: 1239 Weronika Marzena Lebowa

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 11
Virtual Hall 11
Symposium (Part 6/6) Transportation History: Vehicles of mobility - feet off the ground (ICOHTEC) - ID 533
Symposium organizer: Timo Myllyntaus, Hugo Pereira
Chair: Timo Myllyntaus

13:00 - 13:30 Lifts - A sign of wealth or the technical awareness development of the society? Katarzyna Pietrzak
ID: 742

13:30 - 14:00 Technical development of air transport in Slovakia in the context of political changes in 20th century Ludovít Hallon Miroslav Sabol
ID: 773

14:00 - 14:30 The Luxury on Wheels: Tourist Trains in the Interbellum Poland Anna Turza
ID: 739

Friday, July 30, 2021 13:00 – 15:00

Virtual Hall 12
Symposium A comprehensive study on Isaac Newton’s optical instruments - ID 106
Symposium organizer: Yoshimi Takuwa, Yoichi Hirano

13:00 - 13:30 Newton’s prisms in the Whipple Museum Joshua Nall
ID: 575

13:30 - 14:00 Newton’s prism in the Royal College of Physicians Lowri Jones
ID: 446

14:00 - 14:30 ‘s Gravesande’s prisms in the Boerhaave Museum Tiemen Cocquyt
ID: 735

14:30 - 15:00 ‘s-Gravesande’s prisms in the Utrecht University Museum Paul Lambers
ID: 809

Friday, July 30, 2021 15:00 – 15:30

Virtual Hall 15
Chat with Wiley

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 1
Symposium Is there a place for software in socialist economy? (ICOHTEC) - ID 266
Symposium organizer: Helena Durnova, Simon Donig
Chair: Helena Durnova, Simon Donig

15:30 - 16:00 “Through play, knowledge”: Computer toys and the scientific-technological revolution in the GDR Mario Bianchini
ID: 427

16:00 - 16:30 Late socialist “open source” technologies: The case of the Czechoslovak Turbo 2000 loader for Atari home computers Jaroslav Švelch
ID: 534

16:30 - 17:00 Narrating computer history through the prism of popular technical knowledge infrastructure: the late Soviet case Zinaida Vasilyeva
ID: 870

https://ichst2021.confea.net/en/event-programme-list
Virtual Hall 1
17:00 - 17:30 The Siren Song of Socialist Silicon: Deriving Lessons for Contemporary Computing from Communist Czechoslovakia
ID: 960
Robert Jameson

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 2
Symposium Energy and the environment: conflict or compatibility (ICOHTEC) - ID 313
Symposium organizer: Anthony N Stranges
Chair: Anthony N Stranges

15:30 - 16:00 Acid rain: causes, consequences, remedies, and regulations
ID: 313
Anthony N Stranges

16:00 - 16:30 Energy transition in 20th & 21st centuries: challenges and environmental impact
ID: 685
Elena Helerea

16:30 - 17:00 Climate change science - a paradigm and its opponents
ID: 714
Petter Wulff

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 3
Symposium Astronomical Handbooks, Tables, and Education in Islamic Societies - ID 669
Symposium organizer: Robert Morrison
Chair: Petra Schmidl

15:30 - 16:00 Fazārī’s Role in the Formation of the Genre of the Arabic Zījes
ID: 794
Taro Mimura

16:00 - 16:30 Zīj Yamini, a newly found Persian astronomical handbook from early 12th century
ID: 831
Mohammad BAGHERI

16:30 - 17:00 Students as agents in the development of ‘Alī al-Qūshjī’s al-Risāla al-Fathiyya: Astronomy education in Ottoman Constantinople
ID: 886
Hasan Umut

17:00 - 17:30 Explanation Necessary: ‘Alī Qushjī’s Commentary on the Zīj of Ulugh Beg
ID: 1293
Robert Morrison

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 4
Symposium (Part 3/5) Art, image, and astronomical knowledge (ICHA/CHAMA) - ID 187
Symposium organizer: Sara J. Schechner, Yunli Shi

15:30 - 16:00 Well then, who dug ‘them’ canals on Mars?
ID: 497
David DeVorkin

16:00 - 16:30 Re-discussion about the two celestial images unearth in Nara, Japan
ID: 509
Huichih Chuang
Virtual Hall 4
16:30 - 17:00  **Art and astronomical knowledge at Dendera in the 1st century BCE**  Rosalind Park
ID: 291

**Friday, July 30, 2021 15:30 – 17:30**

Virtual Hall 6
Commission on Science and Literature Business Meeting
Symposium organizer: George N. Vlahakis, John Holmes
Chair: Konstantinos Konstantopoulos

Virtual Hall 7
Symposium (Part 3/3) Interactions and interchanges in the history of science, technology, and medicine - ID 163
Symposium organizer: Hugh Richard Slotten, Geoff Bil

15:30 - 16:00  **Paper chains: nature, commerce, and mediation in archives in the Dutch East Indies**  Genie Yoo
ID: 587

16:00 - 16:30  **From hooker to cockayne, new zealand floras and handbooks, 1853-1934**  Anton Sveding
ID: 700

16:30 - 17:00  **Global trade in human organs: historical perspectives**  Susan Lederer
ID: 918

17:00 - 17:30  **From ethnoscience to ethnology - & back again: plant nomenclature, translation and territoriality in Aotearoa NZ**  Geoff Bil
ID: 826

**Friday, July 30, 2021 15:30 – 17:30**

Virtual Hall 8
Symposium (Part 12/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 217
Chair: Silke Ackermann, Silke Ackermann
Symposium organizer: Janet Laidla

15:30 - 16:00  **The jewishness of jewish artefacts—jewish mathematical instruments and their medieval and contemporary narratives**  Josefina Rodriguez-Arribas
ID: 674

16:00 - 16:30  **Religion as a driving force for science: the knowledge of timekeeping**  Taha Yasin Arslan
ID: 361

16:30 - 17:00  **Toward diverse global histories of science and technology: new strategies for displaying and interpreting Islamic instruments for wider audiences**  Glaire Anderson
ID: 605

17:00 - 17:30  **Jesuit Observatories and Jesuit Science**  Guy Consolmagno
ID: 395
Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 9
Commission on Science, Technology and Diplomacy Meeting

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 10
Session XXII - History of Teaching

Chair: Petr Svobodný

15:30 - 16:00 Uses of history of science and technology in british secondary physics textbooks from the 1870s to the present ID: 1079
Beto Pimentel

16:00 - 16:30 Creative transductive strategies to reduce the gaps: socio-economic inequality in the history and philosophy of primary education in Argentina ID: 1230
Sandra Visokolskis

16:30 - 17:00 History of scientists and men, between teaching and the history of science ID: 1219
Matteo Torre

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 11
Symposium Amateurs and vocational scientists: places of encounters, networks and scientific practices - ID 559

Symposium organizer: Irina Podgorny, Nathalie Richard

Chair: Irina Podgorny

15:30 - 16:00 The pilot's house and the local pilots' collaboration in the scientific-naval expeditions in the Patagonian coast ID: 614
Susana Valeria Garcia

16:00 - 16:30 The messengers of science from paso de Cortés: measurements and experiments in high altitude mountains in Mexico, 19th century ID: 740
Laura Chazaro

16:30 - 17:00 The Salvador collection in Barcelona at the beginning of the 19th century: between the "curious public" and the "positive science" ID: 866
Xavier Ulled

17:00 - 17:30 Archaeology at the Hotel, Paleontology at the Café: scientific encounters in unexpected places ID: 976
Nathalie Richard

Friday, July 30, 2021 15:30 – 17:30

Virtual Hall 12
Session XXIII (Part 1/2) - Science Theory and Praxis

Chair: Michal Šimůnek

15:30 - 16:00 Confucian scholars’ attempts to complement the Chinese scientific tradition with western science ID: 1280
Yung Sik Kim
Virtual Hall 12
16:00 - 16:30 **Creating a national time, adopting an international meridian: science in Brazil in the early 20th century.** Sabina Luz
ID: 1267
16:30 - 17:00 **Celebrity, media, and the construction of the environment under Franco’s dictatorship in 1960s and 1970s Spain** Tabernero
ID: 1193

**Friday, July 30, 2021 18:00 – 18:55**

Virtual Hall 6
Sergey Demidov: Pafnuty Lvovich Chebyshev and the mathematical community of his time. On the occasion of the 200th anniversary of his birth (IAHS)
18:00 - 18:55 **Pafnuty Lvovich Chebyshev and the mathematical community of his time. On the occasion of the 200th anniversary of his birth (IAHS)** Demidov
ID: 1332

**Friday, July 30, 2021 18:00 – 20:00**

Virtual Hall 1
Symposium Red Giants, White Dwarfs: Twentieth-century astronomy and astrophysics (History of Physics)- ID 228
Symposium organizer: Jaume Navarro, Roberto Lalli
Chair: Jaume Navarro
18:00 - 18:30 **The Socio-Epistemic Networks of General Relativity, 1925-1970: The low-water mark, the renaissance, and the astrophysical turn** Lalli
ID: 251
18:30 - 19:00 **International astronomy in Chile. Scientists, politicians and the public in the 1960s** Silva
ID: 462
19:00 - 19:30 **Imaginings and icons: imaging the cosmic first light, 1974-2014** Doran
ID: 381
19:30 - 20:00 **Curved space on a flat surface: the Event Horizon Telescope and visual representations of black holes** Skulberg
ID: 391

**Friday, July 30, 2021 18:00 – 20:00**

Virtual Hall 2
Symposium Creating, maintaining and using technological systems: non-western actors - (ICOHTEC) - ID 159
Symposium organizer: Susan Schmidt-Horning, Jan Musekamp
Chair: Fanxiang Min
18:00 - 18:30 **Showing the way: maritime illumination in Japan, 1600-1900** Nenzi
ID: 267
18:30 - 19:00 **A struggle between external aid and self-support: the financing of Puji Hospital in Dongguan, China** Zhou
ID: 528

**Friday, July 30, 2021 18:00 – 20:00**
## Virtual Hall 3

**Symposium Knowledge and practice across borders: science in Islamic societies (CHOSTIS) - ID 550**

Chair: Robert Morrison, Robert Morrison

Symposium organizer: Petra Schmidl

<table>
<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00 - 18:30</td>
<td>642</td>
<td>The Arabic Translation of Marwazî’s Kayhân Shinâkht</td>
<td>kaveh niazi</td>
</tr>
<tr>
<td>18:30 - 19:00</td>
<td>676</td>
<td>Early-modern European astronomy and Iranian religious elites</td>
<td>Amir-Mohammad Gamini</td>
</tr>
<tr>
<td>19:00 - 19:30</td>
<td>747</td>
<td>If the thumb is twitching … Palmomantic practices in Arabic sources</td>
<td>Petra G. Schmidl</td>
</tr>
<tr>
<td>19:30 - 20:00</td>
<td>939</td>
<td>Andalusî pharmacognostical Ğâmiʕ-texts: reflections on the evolution and dispersal of a local literary species</td>
<td>Theo Loinaz</td>
</tr>
<tr>
<td>19:30 - 20:00</td>
<td>903</td>
<td>Science across the borders: al-Andalus and Byzantium in the 10th century</td>
<td>Miquel Forcada</td>
</tr>
</tbody>
</table>

### Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 4

**Symposium (Part 3/5) Art, image, and astronomical knowledge (ICHA/CHAMA) - ID 188**

Symposium organizer: Sara J. Schechner, Yunli Shi

<table>
<thead>
<tr>
<th>Time</th>
<th>ID</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00 - 18:30</td>
<td>542</td>
<td>Planetary_position__pictorial_composition__Visual_knowledge_and_the_Eastern Eurasian horoscope</td>
<td>Michelle McCoy</td>
</tr>
<tr>
<td>18:30 - 19:00</td>
<td>510</td>
<td>An early representation of a star pattern on an ancient Egyptian coffin of the first intermediate period (2181-2040 BCE)</td>
<td>Elizabeth Minor</td>
</tr>
<tr>
<td>19:00 - 19:30</td>
<td>519</td>
<td>Iconography and the cross-cultural transformation of zodiacal astral science in antiquity</td>
<td>Mathieu Ossendrijver</td>
</tr>
<tr>
<td>19:30 - 20:00</td>
<td>298</td>
<td>Images in Babylonian astronomical and astrological texts</td>
<td>John Steele</td>
</tr>
</tbody>
</table>

### Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 5

**Symposium (Part 2/2) Pedagogy beyond giants and dwarfs: using the history of science to enhance education and promote inclusiveness - ID 551**

Symposium organizer: João Monteiro, Karen A. Rader

<table>
<thead>
<tr>
<th>Time</th>
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<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18:00 - 18:30</td>
<td>749</td>
<td>Changing pedagogical landscapes of the history of science and ‘Two Cultures’</td>
<td>Karen Rader</td>
</tr>
<tr>
<td>18:30 - 19:00</td>
<td>748</td>
<td>Reconstructing Early Modern Artisanal Epistemologies and an “Undisciplined” Mode of Inquiry</td>
<td>Tianna Uchacz Pamela Smith Vivien Hamilton</td>
</tr>
<tr>
<td>19:00 - 19:30</td>
<td>786</td>
<td>History in the education of scientists: Encouraging judgment and social action</td>
<td></td>
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</table>
Virtual Hall 5

19:30 - 20:00 Co-teaching Botany and History: An Interdisciplinary Model for a More Inclusive Curriculum
ID: 790

Frederica Bowcutt
Tamara Caulkins

Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 7
Symposium Scientific and Cultural Influences of Ptolemy in China - ID 517

Symposium organizer: Efthymios Nicolaides, Dalong Lu

18:00 - 18:20 Data analysis of the historical records of Sun, Moon and planets in Ming Shilu
ID: 814
Liping MA

18:20 - 18:40 Ptolemaic Planetary Theory in Qizheng Tuibu (1477)
ID: 856
LU Dalong

18:40 - 19:00 Studies of MYTWS Versions: Communication of Ptolemaic astrology from Islam
ID: 857
HAN Dongyang

19:00 - 19:20 A study on Ferdinand Verbiest ’ s star catalogue
ID: 1077
Fan YANG

19:20 - 19:40 From Nestorians to Matteo Ricci: Ptolemaic Influences in China
ID: 919
Kam Wing FUNG

19:40 - 20:00 Preliminary study on the inner planets observations of Ptolemy in Chongzhen
ID: 1170
Changwei Zhu

Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 8
Symposium (Part 13/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 218

Symposium organizer: Janet Laidla

Chair: Stephen Johnston, Stephen Johnston

18:00 - 18:30 The ‘Physikalisches Kabinett’ of the Prince-Bishops of Würzburg – A Roman-Catholic Collection?
ID: 409
Raphael Beuing

18:30 - 19:00 Instruments to measure character – religious practitioners and psychological testing in the United States, 1920-1940
ID: 417
Peggy Kidwell

19:00 - 19:30 What’s in a label?: ‘Science’ and ‘Religion’ in a museum context.
ID: 571
Mathilde DAUSSY-RENAUDIN

19:30 - 20:00 Science and religion – knowledge and faith. A practical museum approach
ID: 379
Silke Ackermann

Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 9
Virtual Hall 9
Symposium Constructing interfaces between mathematical and physical conceptions and methods, c.1850–1930 - (ICHM) (with IMU) ID - 97

Symposium organizer: Raffaele Pisano

Chair: Raffaele Pisano

18:00 - 18:30 Repeating the words of power: Hamiltonian dynamics and physical speculation in late nineteenth century Britain
ID: 800

18:30 - 19:00 (No) Love at first sight - group theory and quantum mechanics
ID: 801

19:00 - 19:30 High dimensional spaces and mechanical systems
ID: 808

Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 10
Symposium (Part 2/2) Symposium_Gender and technological systems (ICOHTEC) - ID 120

Symposium organizer: Susan Schmidt-Horning, Peeter Müürsepp

Chair: Alexander Magoun

18:00 - 18:30 Women making noise: sound, power and gender from stage to studio
ID: 138

18:30 - 19:00 ‘Hello girls’ and a ‘big dial’: women as handmaidens of technological change
ID: 150

19:00 - 19:30 Finding reproductive freedom in biologistic thinking
ID: 292

19:30 - 20:00 “Boys will be boys”: gender, plug sockets, and electrical safety in the interwar British home
ID: 306

Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 11
Symposium Technological Teams (ICOHTEC) - ID 616

Symposium organizer: Susan Schmidt-Horning, Jiří Janáč

Chair: Maria Elvira Callapez

18:00 - 18:30 From big science to team science
ID: 959

18:30 - 19:00 Vicente Marcano (1848-1891), polymath chemist, discoverer of the Bromelain enzyme, and father of experimental science in Venezuela
ID: 984

19:00 - 19:30 Invention or Business? Pioneers of the television technology and industry -Vladimir Zworykin and David Sarnoff.
ID: 995
Friday, July 30, 2021 18:00 – 20:00

Virtual Hall 12
Session XXIII (Part 2/2) - Science Theory and Praxis

Chair: Michal Šimůnek

18:00 - 18:30 Denialism in Brazil: a review of the dispute between post-thuth and science
ID: 1027 Vagner Ramalho

18:30 - 19:00 Hierarchy within the Soviet scientific community: filters and positions of the 1920s
ID: 1152 Evegeniya Dolgova

19:00 - 19:30 Scientific fakery: from the early modern to contemporary times
ID: 1275 Marlis Hinckley

Friday, July 30, 2021 20:00 – 21:00

Virtual Hall 3
Business Meeting of CHOSTIS

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 1
Symposium (Part 4/4) Mathematical proofs and styles of reasoning: East vs. West - ID 226

Symposium organizer: Jens Lemanski, Ioannis Vandoulakis, Eberhard Knobloch

Chair: Ioannis Vandoulakis

10:00 - 10:30 Abū al-Barakāt's diagram method in logic
ID: 373 Wilfrid Hodges

10:30 - 11:00 Geometry and Arithmetic-Analysis and Synthesis in Ancient Greek Mathematical Tradition
ID: 476 Nikolantonakis

11:00 - 11:30 Understanding computer-assisted proofs
ID: 858 Yiannis Kiouvrekis, Petros Stefaneas

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 2
Symposium (Part 5/5) Art, image, and astronomical knowledge (ICHA/CHAMA) - ID 190

Symposium organizer: Sara J. Schechner, Yunli Shi

10:00 - 10:30 Knowledge, art and politics in copies of 'Abd al-Rahman al-Sufi's Book of the Star Constellations
ID: 500 Sonja Brentjes

10:30 - 11:00 Charting the Chinese Sky with Western Observations: The Star Maps Made by Jesuit Astronomers in the Late Ming Dynasty Revisited
ID: 297 Yunli Shi

Saturday, July 31, 2021 10:00 – 12:00
Virtual Hall 3
Symposium The politics of radiation protection - ID 234
Symposium organizer: Maria Rentetzi, Ana Barahona
Chair: Maria Rentetzi, Ana Barahona

10:00 - 10:30 Technologies and atomic knowledge for a history of radiation in Spain in the 1960s
ID: 253 Ana Romero de Pablos

10:30 - 11:00 The Eastern bloc countries and the International Atomic Energy Agency: knowledge transfer and radiation protection
ID: 785 Irina Fedorova

11:00 - 11:30 How the United Nations conceived nuclear rights
ID: 787 Linda Marie Richards

11:30 - 12:00 The introduction of radiation protection rules in postwar Greece through IAEA fellowships
ID: 940 LOUKAS FRERIS

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 4
Session XVI (Part 5/5) - Medicine
Chair: Petr Svobodný

10:00 - 10:30 The 1954 Flood, Sanitation Campaign, and the Re-Making of Medical Infrastructure in Early Communist China
ID: 1243 Yue Liang

10:30 - 11:00 Histories of Healing: Traditional and Local Medicine in Times of Pandemic
ID: 1255 Andrea Núñez Casal

11:00 - 11:30 100 years since the discovery of insulin – giants and dwarfs who made it possible
ID: 1268 Iuliana Popescu

11:30 - 12:00 Calculating prodigies as evidence for phrenology in Europe
ID: 1071 Andrea Graus

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 5
Symposium (Part 1/2) Institutions and science and technology in modern China ----new approaches (ISHEASTM)- ID 28
Symposium organizer: Iwo Amelung, Yunli Shi

10:00 - 10:30 The Comité scientifique du Kiang-nan and the Catholic Critique of Evolutionism in Modern China
ID: 57 Joachim Kurtz

10:30 - 11:00 Aspiration and Reality: Institutional Culture Construction of the Academia Sinica (1927-1948)
ID: 65 Banghong Fu

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 6
Virtual Hall 6
Session XIX (Part 3/4) - History of Physics
Chair: Petra Hyklová

10:00 - 10:30 Name, identity, and discipline formation: the development of Busseiron in Japan
   ID: 1134 Hiroto Kono
10:30 - 11:00 Physics in the field: expeditions and field stations in the 20th century
   ID: 1174 Adriana Minor
11:00 - 11:30 Where Nobel Laureates and Nameless meet. The significance of “science for all” events to CERN’s mission in the 1970s
   ID: 1260 Barbara Hof

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 7
Session XVII (Part 2/2) - Science and Philosophy
Chair: Tomáš Hermann

10:00 - 10:30 Chien-Shiung Wu in Experimental Philosophy
   ID: 1158 Indianara Silva
10:30 - 11:00 About the history of the development of quality methods: from the local approach to the global one
   ID: 1217 Egor Bogatov
11:00 - 11:30 The turning points in the history of science of science
   ID: 1225 Michal Kokowski

Saturday, July 31, 2021 10:00 – 12:00

Virtual Hall 8
ICOHTEC Prize Session
Chair: Elvira Callapez, Darina Martykánová, Yoel Bergman

Maurice Daumas Prize
Turriano ICOHTEC Prize

Winners:
Hyeok Hweon Kang
Martin Meiske
Philippe Bruyère

Saturday, July 31, 2021 10:00 – 15:00

Virtual Hall 16
Visit Virtual Lounges
Saturday, July 31, 2021 13:00 – 14:00

Virtual Hall 7
INHIGEO Business meeting

Saturday, July 31, 2021 13:00 – 15:00

Virtual Hall 1
Symposium They Might Be Giants: Histories of Failed Science Diplomacy Initiatives (Commission on Science, Technology and Diplomacy) - ID 486

Symposium organizer: Sam Robinson

Chair: Sam Robinson

13:00 - 13:30  Digging in the dirt: uranium diplomacy, development, and the IAEA  Matthew Adamson
ID: 675

13:30 - 14:00  European technoscientific diplomacy and the Fukushima nuclear emergency. A diplomatic meltdown?  Maria Paula Diogo
ID: 745

14:00 - 14:30  A “paper tiger” in science diplomacy? Scientific initiatives through SEATO, 1954-1977  Simone Turchetti
ID: 811

14:30 - 15:00  On the Road to Stockholm: Prague Symposium on Problems Relating to Environment, 1971  Doubravka Olšíaková
ID: 863

Saturday, July 31, 2021 13:00 – 15:00

Virtual Hall 2
ICHA Meeting

Saturday, July 31, 2021 13:00 – 15:00

Virtual Hall 3
Symposium Environmental change and energy systems - (ICOHTEC) - ID 123

Symposium organizer: Susan Schmidt-Horning, Peeter Müürsepp

Chair: Peeter Müürsepp

13:00 - 13:30  "The latent heat of vaporization is totally lost": can solar energy be a risk for sustainability?  Nelson Arellano
ID: 140

Saturday, July 31, 2021 13:00 – 15:00

Virtual Hall 4
Symposium The little people of “big science”: the image of the ordinary scientist in late soviet culture - ID 537

Symposium organizer: Aleksandr Fokin
Virtual Hall 4
13:00 - 13:30  
**Materialistic wizards: scientists in soviet science fiction**  
Aleksandr Fokin

13:30 - 14:00  
**American Images of the Soviet science in the Cold war (1950-1980s)**  
Dmitry Nechiporuk

14:00 - 14:30  
**Soviet Women and Big Science: Gender in Siberian Academy (1957-1980s)**  
Mikhail Piskunov

**Saturday, July 31, 2021 13:00 – 15:00**

Virtual Hall 5
Symposium (Part 2/2) Institutions and science and technology in modern China ----new approaches (ISHEASTM)- ID 29
Symposium organizer: Iwo Amelung, Yunli Shi

Saturday, July 31, 2021 13:00 – 15:00

Virtual Hall 6
Session XIX (Part 4/4) - History of Physics
Chair: Petra Hyklová

13:00 - 13:30  
**Diamilla Muller's early simultaneous magnetic observation efforts**  
Vitor Bonifácio

13:30 - 14:00  
Kenzo Okuda

14:00 - 14:30  
**How Europe chose not or wasn't able to become a Giant in human spaceflight**  
Piero Messina

**Saturday, July 31, 2021 13:00 – 15:00**

Virtual Hall 8
Symposium (Part 14/14) XL Symposium of the Scientific Instrument Commission (SIC) - ID 219
Symposium organizer: Janet Laidla
Chair: Marta Lourenço, Louise Devoy

13:00 - 13:30  
**The vatican observatory historical collections: a different perspective on the connection between science and religion**  
Ileana Chinnici

13:30 - 14:00  
**The great meridian circle of Reichenbach and Ertel in Tartu Observatory**  
Lea Leppik

14:00 - 14:30  
**Instruments of the short-lived Tallinn Naval Observatory**  
Janet Laidla

14:30 - 14:45  
**E-POSTER Jacquard controversial invention between science and technology**  
Emma Angelini
Saturday, July 31, 2021 14:00 – 15:00

Virtual Hall 7
IASCUD Business Meeting

Saturday, July 31, 2021 15:30 – 17:30

Virtual Hall 1
Dissertation Prize Winners

Saturday, July 31, 2021 18:00 – 20:45

Virtual Hall 1
General Assembly

CONGRESS SECRETARIAT

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