



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

ID: 852

[What is an epidemic?](#)

Warwick Anderson

18:30 - 19:00

ID: 716

[Bolsonaro's chloroquine: science, pandemic, and pandemonium in Brazil](#)

Marcos Cueto

19:00 - 19:30

ID: 388

[Genetic engineering and prospects for living in a pandemic](#)

Luis Campos

19:30 - 20:00

ID: 665

[Commentary](#)

Mary Brazelton

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

10:00 - 10:25	Making an invention known. Importance of the socio-economic network in the innovation processes concerning architectural terracotta, France, 19th century	Cyril Lacheze
ID: 531		
10:25 - 11:00	Processes at work in the emergence and militarization of a technological system: seaplanes in France in the 1910s	Marion Weckerle
ID: 532		
11:00 - 11:30	Clean and save food for the urban consumer: the modernization of yoghurt production	Elitsa Stoilova
ID: 936		

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

10:00 - 10:30	Prediction in and about science	Hasok Chang
ID: 776		
10:30 - 11:00	Engineering, prediction, and mathematics	Johannes Lenhard
ID: 627		
11:00 - 11:30	The perils of predicting complex systems: And what we can do without prediction	Miles MacLeod
ID: 757		
11:30 - 12:00	The many faces of prediction. Lessons from the various astronomical expeditions organized in the 1910s to test Einstein's light bending prediction	Ana Simões
ID: 593		

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

10:00 - 10:30	Updating and innovation in Mathematics at the beginnings of the Spanish College of Artillery (1764-1808)	Juan Navarro-Loidi
ID: 480		
10:30 - 11:00	Pasqual Calbó, a Minorcan scientist-artist, and his mathematical course (c. 1800)	Antoni Rosell Roca-
ID: 582		
11:00 - 11:30	Reflections from mixed mathematics to physic mathematics in Spanish eighteenth century	Maria Rosa Massa Esteve
ID: 599		

Monday, July 26, 2021 10:00 – 12:00

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 discern 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 Domínguez 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
11:00 - 11:30 ID: 864	Health diplomats and scientific experts on the verge of contagious breakdowns	Gerardo Ienna
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
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 Hugo Sierra
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](#) Jingfei Zhang
ID: 1067

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

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	Hyeok Hweon Kang
ID: 985		

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 Efmertová

13:00 - 13:30	Capturing the dead: spirits, photography and the revival of the occult in Republican China (1912–1949)	Luis Fernando Bernardi Junqueira
ID: 1037		
13:30 - 14:00	“Last hired, first fired”: systemic racism and the enduring dearth of diversity in the cockpit	Alan Meyer
ID: 1100		

Virtual Hall 1

- 14:00 - 14:30 [Giant challenge – dwarf solution: re-invention of the wheel in the Russian hinterland](#) Svetlana Usenyuk-
ID: 1278 Kravchuk
- 14:30 - 15:00 [Finding the right engineer: the process of selecting technicians to work in France, 1944-1950](#) Guillaume de Syon
ID: 1266

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 \(Indonesia\)](#) Hans Pols
ID: 853
- 13:30 - 14:00 [Missions of mercy: trade routes and the dispersion of vaccination for smallpox in Southeast Asia](#) Claudia Michele
ID: 816 Thompson
- 14:00 - 14:30 [Epidemic Invasions in the Democratic Republic of Vietnam](#) Michitake Aso
ID: 765

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

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](#) Javier Poveda
ID: 1024 Figueroa

Virtual Hall 4

13:30 - 14:00 [One shall not kill the science. Kazimierz Petruszewicz and the attempts at the stalinist transformation of the Polish academic field](#) Łukasz 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 nineteenth 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](#) V.N. Chinenova
 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	Peter Heering
ID: 293		
13:30 - 14:00	Tracing the life of 19th century laboratories in Greek educational institutions through historical textbooks and archival documents	Flora Paparou
ID: 463		
14:00 - 14:30	The impact of salih zeki's optical works on physics education in 20th-century ottoman turkey	Sena Aydin
ID: 394		
14:30 - 15:00	Robert Pohl in Madras: German teaching instruments and practices in India	Roland Wittje
ID: 263		

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 9

Session III (Part 2/3) - Geography

Chair: Marek Ďurčanský

13:00 - 13:30	History of drought in Brazil: notes about the co-production of infrastructures, national policies and local realities	Jean Carlos Hochsprung Miguel
ID: 1068		
13:30 - 14:00	Beyond Scientific Ingenuity: The discovery of the “Dansgaard-Oeschger Events” and its socio-political context	Dania Achermann
ID: 1086		
14:00 - 14:30	Development of geomorphology in the USSR at the initial stage: scientific contribution of Innokentiy P. Gerasimov and Konstantin K. Markov	Alexey Sobisevich
ID: 1145		
14:30 - 15:00	GIS-Mapping and Building Territorial Planning In Colombia	Rodolfo Hernandez Perez
ID: 1129		

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	Razieh-Sadat Mousavi
ID: 113		

Virtual Hall 10

- 13:30 - 14:00
ID: 342 [An Almost Forgotten Contribution to the Tetrabiblos](#) Nadine Löhr
- 14:00 - 14:30 [\(Dis\)continuity of Ptolemaic planetary distances and sizes in Arabic astronomy](#) Hamid Bohloul
ID: 112
- 14:30 - 15:00 [A philological chimera: Pseudo-Ptolemy's Book of the Fruit and its transmission](#) Emanuele Rovati
ID: 174

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 11

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. The siege warfare during the Italian Wars \(1494-1559\)](#) Jacopo Pessina
ID: 212
- 13:30 - 14:00 [Italian imitations of French ordnance: an artillery revolution, or a logistical problem?](#) Fabrizio Ansani
ID: 438

Monday, July 26, 2021 13:00 – 15:00

Virtual Hall 12

Symposium Socialist Hydro-Expertise in Cold War Ghana : Cold War Technopolitics Beyond the Giants? (ICOHTEC)- ID 552

Symposium organizer: Jiří Janáč, Susan Schmidt-Horning

Chair: Magdalena Zdrodowska

- 13:00 - 13:30 [Export of Czechoslovak Hydro-expertise in the Cold War Era](#) Jiří Janáč
ID: 913
- 13:30 - 14:00 [Long Shadow of Colonialism. Path Dependence and Hydropower Projects in Ghana](#) Viktor Pál
ID: 637
- 14:00 - 14:30 [Damming the Cold War – Czechoslovak technopolitics in Ghana](#) Jakub Mazanec
ID: 666
- 14:30 - 15:00 [Technocratic internationalism. GDR coal refinement and international cooperation during the early Cold War](#) Jan Zofka
ID: 1089

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](#) Leticia Pereira
ID: 1298

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 ID: 871	An 'Indian' ocean? Marine biology and scientific authority in British India	Aviroop Sengupta
16:00 - 16:30 ID: 844	Post-War Reconnaissance of Japanese Fishery and Ocean Science and its Contribution to the Development of U.S. Scientific Programs in the Pacific: 1947-1958	Carmel Finley
16:30 - 17:00 ID: 784	Female Peruvian scientists in fishery science: The marine biologists of IMARPE, 1964-1982	Alejandra Osorio
17:00 - 17:30 ID: 843	Recovering hidden histories of marine and aquatic invasion biology.	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 ID: 1136	Nearly fallen giant: the case of the Russian Academy of Sciences, experiencing the impact of the new management reform	Anna Fedorova
16:00 - 16:30 ID: 1196	Emergence of Scientific Community in India: Role of Indian Science Congress Association, 1914-1947	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 ID: 655	Towards a Cross-Cultural History of Eurasian Medicine: The State of the Field	Marta Hanson
16:00 - 16:30 ID: 281	Xu Shizhi and pulse diagnosis in eighteenth-century Naples	Henrietta Harrison
16:30 - 17:00 ID: 53	Tactility, pulse, and body knowledge in transit: John Floyer's reading of diagnostic touch in English and Chinese medicine	Yijie Huang
17:00 - 17:30 ID: 79	Crustaceans, crosses, and cures	Oana Baboi

Monday, July 26, 2021 15:30 – 17:30

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. Weldo, 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 luiz 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 Ambrosiana L 99 sup.	Victor Gysembergh Alexander Jones Emanuel Zingg
16:00 - 16:30	The Ptolemaic Analysis of the Hipparchian Lunar Model	Gonzalo Recio
16:30 - 17:00	The gravitational influence of Jupiter on the Ptolemaic value for the eccentricity of Saturn	Christián C, Carman
17:00 - 17:30	Ptolemy's tradition of astronomical tables in the Islamic world	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)	Hugo Pereira
16:00 - 16:30	Building Critical Infrastructure in the Past: The Railway Line St. Petersburg – Riihimäki in the 1860s	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	Niccolò Guicciardini
16:00 - 16:30	The Sailor and The Savant: The ebb and flow of a scientific partnership	Nicolas Michel
16:30 - 17:00	Felix Klein (1849-1925) and Georg Pick (1859-1942): support and a (largely unknown) attempt to co-operate	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](#) June Barrow-Green

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 Bolinksa, Alex Aylward

Chair: Agnes Bolinksa

18:00 - 18:30 ['It is light, it is cheap, it is readable': volume, frequency and brevity in nineteenth-century medical journalism](#) Sally Frampton

18:30 - 19:00 [Big book, little book: sizing up mid-twentieth-century British biological books](#) Alex Aylward

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 Schirmmacher, Jan Surman

18:00 - 18:15 [E-POSTER Darwin in Moscow. Soviet Science Museums and the "Enlightenment of the Masses"](#) Mirjam Voerkelius

18:15 - 18:30 [E-POSTER Regional Industry, Interactive Exhibits, and Marxist History? Polytechnical Museums in East Germany](#) Martin Weiss

18:30 - 18:45 [E-POSTER Late and limited. The rebuilding of Berlin's science and technology museums in both parts of the divided city](#) Arne Schirmmacher

18:45 - 19:00 [E-POSTER From Museums to Centers: Exhibiting Science in Poland](#) Ewa Wyka

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](#) Pushkar Sohoni

18:30 - 19:00 [Scientific Research in Colonial India - Part II: The Princely States of Baroda and Travancore](#) John Mathew

Virtual Hall 3

19:00 - 19:30 [Did Kāśīnātha tarkālaikāra 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 Ricculi
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

Monday, July 26, 2021 18:00 – 20:00

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

Monday, July 26, 2021 18:00 – 20:00

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

- 18:20 - 18:30 [E-POSTER Galileo Ferraris and the Scuola di Elettrotecnica of the Regio Museo Industriale in Torino](#) Emma Angelini
ID: 1101
- 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](#) Jarosław Włodarczyk
ID: 1115
- 18:40 - 18:50 [E-POSTER On the criteria of assessment of scientific achievements: the case of Vernadsky](#) Tatiana Denisova
ID: 1000

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.](#) Hiroshi Ichikawa
ID: 1035
- 18:30 - 19:00 [P C Ray and his role in Indian identity formation](#) ADITYA SUNDWA
ID: 1164
- 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](#) Samir Hamdoud
ID: 1179
- 19:30 - 20:00 ["If Bogdanov takes on a task he gets it done even though it seems impossible to everyone..."](#) Galina Krivosheina
ID: 1199

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](#) Rebekah Higgitt
ID: 255
- 18:30 - 19:00 [Looking through and at giants: the iconography of telescopes and gigantism in the nineteenth century](#) Pedro Raposo
ID: 320
- 19:00 - 19:30 [Fermenting at scale: ICI's 'Pruteen' experiment – from animal feed to bioplastic, 1967-1991](#) Rupert Cole
ID: 1320
- 19:30 - 20:00 [Small components, "Big Science": electronics and engineering at the Mullard Space Science Laboratory](#) Osnat Katz
ID: 1030

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	James Brannon
ID: 1026		
18:20 - 18:40	Astronomical tables in ancient Egyptian royal tombs from c. 1100 BCE	Sarah Symons
ID: 1128		
18:40 - 19:00	Is Oppenheimer the father of black holes?	Carla R. Almeida
ID: 1109		
19:00 - 19:20	Exploring Pluto and Europa: the U.S. planetary sciences and politics, 1989-2020	Michael J. Neufeld
ID: 1160		
19:20 - 19:40	A Hitheto Unknown Iranian Calendar Named Yamīnī	Maedeh Hosseinzadeh
ID: 1142		

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 Mürsepp

18:00 - 18:30	Transnational Localism? Knowledge Production in the Italian 1970s-80s Anti-Nuclear Movement	Roberto Cantoni
ID: 706		
18:30 - 19:00	Postcolonial nuclear consensus and contemporary anxieties: a history since the global re-enchantment with nuclear India	Kumar Sundaram Pathak
ID: 891		
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.)	Benjamin Bothreau
ID: 649		

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	Inmaculada Aguilar
ID: 966		
18:30 - 19:00	How the Panama Isthmus Railroad Accelerated American Commercial Expansionism	Shunsuke Munakata
ID: 832		

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	Brigitte Stenhouse
ID: 109		
18:30 - 19:00	George Boole & Mary Everest Boole	David Dunning
ID: 221		
19:00 - 19:30	Who counted Professor Weldon's crabs: Florence Weldon and the hidden labour of 19th century data analysis	Ursula Martin
ID: 118		
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	Reinhard Siegmund-Schultze
ID: 249		

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 Nakajj calendar in the age of climate change	Marcella Schmidt di Friedberg
ID: 583		

Virtual Hall 10

10:30 - 11:00 [For an epistemology of climate science\(s\) in Latin American: between convergences, breaks and perspectives](#) Antonio Carlos
ID: 581 Oscar Júnior

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

10:30 - 11:00 [Rāhucāra of the Gārgīyajyotiṣa – The oldest Indian eclipse theory extant and its transmission in Central and East Asia](#) Bill Mak

11:00 - 11:30 [The planetary positions and zodiacal signs of Horoscope Astrology during the Tang and Song Dynasties](#) Zhijia Jin

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

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
ID: 970 Kobayashi

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](#) Helge Kragh
ID: 556
- 11:00 - 11:30 [The Socrates of physics: looking at Bohr through Wheeler's and Heisenberg's eyes](#) Stefano Furlan
ID: 1102

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](#) Annette Mülberger
ID: 1248
- 10:30 - 11:00 [Degeneration, Gender, and German Immigration: the case of Elza \(Rio de Janeiro, 1920s\)](#) Pedro Felipe Muñoz
ID: 1148
- 11:00 - 11:30 [Cotton, makeup and a prosthetic penis. Male and female trans* embodiment technologies in the mid-twentieth century in Argentina](#) Patricio Simonetto
ID: 1168

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](#) SOMER ALP ŞİMŞEKER
ID: 849
- 10:30 - 11:00 [The jeune école and the development of China's naval defense, 1870s-1890s](#) Mingyang LI
ID: 541
- 11:00 - 11:30 [Beyond the usual Verdächtige - Military innovation in Central Europe from the Vereinsgewehr to the Feldl machine gun](#) Jorit Wintjes
ID: 141
- 11:30 - 12:00 [Technology and french colonial warfare 1871-1914](#) William Dean
ID: 961

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](#) Matthieu Husson
ID: 108

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 ?](#) Aditya Jha
ID: 145
- 11:00 - 11:30 [Tables, calculations and calendars in a time of crisis: the production and public consumption of astronomy in China, 1664-1669.](#) Christopher Cullen
ID: 146

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](#) Chuan-hui Mau
ID: 1001
- 10:30 - 11:00 [The founders of Romanian biological oceanography - Emil Racovitza, Ioan Alexandru Ş. Borcea and Grigore Antipa](#) Bologa
ID: 1032
- 11:00 - 11:30 [D'Arcy Thompson, civic science, and fin-de-siècle Darwinism. A case study of scientific and social change](#) Giuliano Pancaldi
ID: 1182

Tuesday, July 27, 2021 10:00 – 20:00

Virtual Hall 16

Visit Virtual Lounges

Tuesday, July 27, 2021 11:30 – 12:00

Virtual Hall 10

Informational session (Commission on the History of Meteorology 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 Tripitaka?](#) Liquan ZHOU
ID: 167
- 13:30 - 14:00 [On contemporary epochs in Chinese calendrical systems and their possible foreign origin](#) Weixing Niu
ID: 154

Virtual Hall 1

14:00 - 14:30	Ibn al-Zarqālluh's discovery of the annual equation of the moon	Seyyed Mozaffari	Mohammad
ID: 157			
14:30 - 15:00	Al-Bīrūnī's interpretation and revision on Indian mathematical astronomy in "India"	Yue PAN	
ID: 397			

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
ID: 64		
13:30 - 14:00	Connecting Australia to the World: Darwin as a meteorological hub in the continent's tropics	Ruth Morgan
ID: 36		
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
ID: 62		

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
ID: 540		
13:30 - 14:00	Pioneers of Educating China's Technical Elites: An Official-Industrialist Sheng Xuanhuai (1844-1916) and His Educational Enterprises	Hailian Chen
ID: 165		
14:00 - 14:30	The civil engineer Ling Hongxun (1894-1981) as an educator	Thorben Pelzer
ID: 261		
14:30 - 15:00	Commentation and Discussion: Understanding Chinese Engineering Education in a Comparative Perspective (1)	Wolfgang König
ID: 909		

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
ID: 1064		

Virtual Hall 4

- 13:30 - 14:00 [Defender and Expositor of the Bergen Methods of Synoptic Analysis: Bergeron's "Three-Dimensionally Combining Synoptic Analysis"](#) David Schultz
ID: 1074
- 14:00 - 14:30 [Reevaluating the roles of the Kaitakushi's Japanese assistant professors and officers in the history of meteorology.](#) Kae Takarabe
ID: 1161
- 14:30 - 15:00 ["Distributed authority and the global atmosphere: the role of telecommunications in late nineteenth-century international meteorology"](#) Claire Oliver
ID: 1211

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 Nineteenth Century \(1854-1894\)](#) Saltuk Duran
ID: 618
- 13:30 - 14:05 [Buy or make dilemma in history: technology transfers and military innovations in ottoman empire during 18th and 19th centuries](#) Melikşah Kaçar
ID: 875
- 14:05 - 14:30 [E-POSTER The Initiative on "Aerial Telegraph" in the Ottoman Empire](#) Mustafa Kacar
ID: 577

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

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 (IASCU)- 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	Adam Dunn
ID: 830		
13:30 - 14:00	International mathematics in literature: the Oulipo's mathematical connections	Natalie Berkman
ID: 711		
14:00 - 14:30	Emphatic adverbs, proper nouns, and the disciplinary grammar of international mathematics	Michael Barany
ID: 895		

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	Sibylle Gluch Michael Korey Julien
ID: 425		
13:30 - 14:00	Determining, keeping and transmitting time. A century of famous and forgotten precision clocks at the Neuchâtel observatory (1858-1958).	Gressot Romain Jeanneret
ID: 295		
14:00 - 14:30	Under the microscope: Making minerals visible in mineralogy and popular science in modern China	Xi Ma
ID: 1023		
14:30 - 15:00	An Oscilloscope and a Life: the Beginning of China's Electronic Measuring Instruments Field	Ke Zhao
ID: 338		

Tuesday, July 27, 2021 13:00 – 15:00

Virtual Hall 9

Session VIII (Part 2/2) - Gender

Chair: Soňa Štrbáňová

13:00 - 13:30	Identity and Experiment: Female Psychologist's Reflections on Identity and Their Role in Experimental Styles, Germany 1920s	Laurens Schlicht
ID: 1171		
13:30 - 14:00	Breaking borders: a case of Victoria Lady Welby	Konstantin Skripnik
ID: 1224		
14:00 - 14:30	Anne Conway on monads	Anastasia Guidi Itokazu
ID: 1227		

Virtual Hall 9

14:30 - 15:00

ID: 1238

[Science After the Suffragettes: Trouble at T' Mill for Irene Manton](#)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

ID: 40

[Quantum and materialist dialectic: dynamic and statistical regularity in Hessian Marxism](#)

Sean Winkler

13:30 - 14:00

ID: 421

[Criticism of machinism and modernity](#)Stany
Mazurkiewicz

14:00 - 14:30

ID: 74

["Edgar Zilsel and the Critique of the Mechanical conception of Nature"](#)Gianna
Katsiampoura

14:30 - 15:00

ID: 38

[Engels, plagues and 19th century epidemiology](#)

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

ID: 199

[The cordite case: understanding the inner technological issues in an otherwise social-legal legacy](#)yoel
bergman

13:30 - 14:00

ID: 139

[Victorian science meets the reality of industrial war: H.S.S. Watkin and rangefinding and the Royal Artillery, 1870-1918](#)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

ID: 1121

[E-POSTER Re-evaluating Britannia Bridge: The Historical Development of Bridge-building Technology](#)Manabu
KOBAYASHI

13:10 - 13:20

ID: 1155

[E-POSTER Situation of the fight against malaria in Peru.\(1953\).](#)Irwin Enrique
Peralta

13:20 - 13:30

ID: 1214

[E-POSTER The origins of the Russian study of Chinese astronomy. Russian astronomer of the 19th century K. Skachkov on the history of Chinese astronomy](#)Galina
Sinkevich

Virtual Hall 12

13:30 - 13:40 ID: 1221	E-POSTER SCIENTIFIC RESEARCH, INNOVATIONS AND LABOUR PRODUCTIVITY IN BRITISH AND RUSSIAN MANUFACTURING BEFORE THE GREAT WAR	Dmitrii Saprykin
13:40 - 13:50 ID: 1223	E-POSTER Stanisław Michalski - the founding father of the science of science	Mateusz Hübner
13:50 - 14:00 ID: 1231	E-POSTER Halley's Comet Trail: Transit and Legitimation of astronomical knowledge in Chile (1910)	Verónica Ramírez-Errázuriz

Tuesday, July 27, 2021 15:00 – 16:00

Virtual Hall 13

Presentation - Wiley Digital Archives

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- [WDA-RCP-factsheet](#)
- [WDA-RGS-factsheet-2020](#)
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15:00 - 15:30 ID: 1329	Uncovering Hidden Stories in the Archives of Learned Societies	Ray Abruzzi
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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 ID: 987	A Treasure of the USHMM Archive: Dr. Ilka Dickman	Tereza Kopecká
16:00 - 16:30 ID: 988	Transformation of the students and pedagogical staff of Prague universities in the second half of the 1930s	Ivana Ebelová Milada Sekyrková
16:30 - 17:00 ID: 989	Institute of Light	Vira Gamaliia
17:00 - 17:30 ID: 990	German-Jewish scientists and their fate between 1933 and 1960	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](#) Kerby Alvarez
ID: 37
- 16:00 - 16:30 [Just doing their job: The Hidden Meteorologists of Colonial Hong Kong c. 1883-1914](#) Fiona Williamson
ID: 35
- 16:30 - 17:00 [Rainfall prediction in post-colonial South Asia: The connected projects of astrology, folklore, and meteorology, 1948-1963](#) Sarah Carson
ID: 377
- 17:00 - 17:30 [Dwarfs or Empire Builders? Italian colonial meteorology between the Mediterranean and the Indian Ocean](#) Angelo Matteo Caglioti
ID: 1297

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](#) Lisheng FENG
ID: 898
- 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](#) Xuan Su
ID: 197
- 16:30 - 17:00 [Debates on traditional architecture in China: Uncovering the layers of the reception of Liu Dunzhen](#) Constantin Canavas
ID: 679
- 17:00 - 17:30 [Commentation and Discussion: Understanding Chinese Engineering Education in a Comparative Perspective \(2\)](#) Wolfgang König
ID: 910

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](#) Kristen Fleming
ID: 945

Virtual Hall 4

16:00 - 16:30 ID: 764	Vulnerable at Sea: Environmental-Health and the Maritime Environment	Katy Kole de Peralta
16:30 - 17:00 ID: 589	De-centering conservation in the Indian Sundarbans Delta: a nexus between global ocean science and competing grounded environmentalities	Amrita Sen
17:00 - 17:30 ID: 646	Knowing the beast: how different styles of population modelling developed in early fisheries science	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 ID: 753	Ottoman temporality: towards an understanding of multivalent and multi-cultural temporal reckoning in early ottoman history.	Maryam Patton
16:00 - 16:15 ID: 996	E-POSTER The Existential Struggle of The Printing House Against The Verbal Culture and Manuscript Tradition in The Ottoman Empire	Nihal Ozdemir
16:15 - 16:35 ID: 1013	E-POSTER Theoretical Background of "ilm al-misaha" (science of measure) in the Ottoman Classical Period (1300-1800).	Elif Baga
16:35 - 17:05 ID: 1012	"Ilm al-misaha" through applications: a study of al-misaha manuscripts in the ottoman classical period (1300-1800).	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 ID: 78	Rockets, Engines, Biohybrids: 21st Century Motor and Temporal Regimes	Janina Wellmann
16:00 - 16:30 ID: 256	Conspicuous computing. Organizing the cutting edge of computability (1980-2020).	David Gugerli
16:30 - 17:00 ID: 595	Mainframe computer or programmable pocket calculator? Two calculation tools for two epistemological approaches of computing in French medieval history (1967-1981).	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

15:30 - 16:00	The Malthus Library: The library as cognitive instrument in the making of the population principle	Kevin Lambert
ID: 824		
16:00 - 16:30	The Kitchen and the Dacha: Productive Spaces of Soviet Mathematics	Slava Gerovitch
ID: 664		
16:30 - 17:00	Internationalization and the interplay of theory and experiment in 1970s high energy physics	Vitaly Pronskikh
ID: 876		
17:00 - 17:30	Can mathematical knowledge be a form of self-knowledge? The case of the late Russian Empire.	Anya Yermakova
ID: 879		

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

15:30 - 16:00	The transformation of a failed scientific instrument: a tool for teaching science, a work of art, and an inspiration for art	Marvin Bolt
ID: 310		
16:00 - 16:30	Show, don't tell: the magic lantern and 19th-century science popularisation	Trienke van der Spek
ID: 442		
16:30 - 17:00	Play, design, science: spinning tops, crossing spaces, understanding physics	Artemis Yagou
ID: 287		
17:00 - 17:30	No future without history	Jan Waling Huisman
ID: 968		

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

15:30 - 16:00	Concerning Classical Chinese Mathematics, We Only Know a Few Bits and Pieces	Shuchun Guo
ID: 341		

Virtual Hall 9

- 16:00 - 16:30 [Approaching the “True Value” \(Mihe 密合\) 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
ID: 406
- 16:30 - 17:00 [Survey of mathematics during the Warring States Period: from bamboo slips to ancient documents of the Qin and Han dynasties](#) Zhaoyang WU
ID: 398
- 17:00 - 17:30 [On the Stylization of Traditional Chinese Mathematics](#) Zelin XU
ID: 408

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 ['Pure and Applied Regulations': The origins and evolution of Portuguese science-based Food Safety legislation \(1875-1905\)](#) José Ferraz-Caetano
ID: 1190
- 16:00 - 16:30 [Scientific policies in Brazil under democratic and authoritarian governments after Second World War](#) Olival Freire Junior
ID: 1157
- 16:30 - 17:00 [Anticipating Transformation: Emigrés as cross-bloc Expectation Managers in 1980s Europe](#) Konrad Sziedat
ID: 942

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 [Reservation systems for passenger railway travel](#) Reima Suomi
ID: 799
- 16:30 - 17:00 [Integrated railway modernization in inter-war Romania financed by international loans](#) Attila Hunyadi Gabor
ID: 859

Tuesday, July 27, 2021 15:30 – 17:30

Virtual Hall 12

Session III (Part 3/3) - Geography

Chair: Marek Ďurčanský

- 15:30 - 16:00 [Wahlenberg’s forgotten map: barometer, vegetation and colour layer tinting](#) Zsolt Gyöző Török
ID: 1240

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 | Victor Limeira-DaSilva | Rafael |
| ID: 1207 | | | |
| 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 | Päivi Pihlaja | Maria |
| ID: 1277 | | | |

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

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|---------------|--|--------------------------|
| 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 | Konstantin S. Kiprijanov |
| ID: 1302 | | |
| 18:30 - 19:00 | Color and oxidation: Nonstandard tools in efforts to determine structure and size of aniline polymers in the early 20th century | Seth Rasmussen |
| ID: 1303 | | |
| 19:00 - 19:30 | Patenting Agent Orange: Chemical Classification, Novelty, and the Military-Industrial Complex in the Cold War United States | Alison McManus |
| ID: 1304 | | |
| 19:30 - 20:00 | From parasitic to indispensable: synchrotron radiation sources in biological research | Apostolos Gerontas |
| ID: 1305 | | |

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

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|---------------|--|------------------|
| 18:00 - 18:30 | Western Sanitary Science and Hygienic Practices in South India, 1850-1920 | B Eswara Rao |
| ID: 611 | | |
| 18:30 - 19:00 | Evolution of electrical engineering in colonial Calcutta: Bhadrlok aspirations on academia and industry interface, 1880s – 1940s | Suvobrata Sarkar |
| ID: 590 | | |
| 19:00 - 19:30 | Changing geographies, redefining disease: migration and modernisation in ayurveda, 1902-1960 | Burton Cleetus |
| ID: 603 | | |
| 19:30 - 20:00 | Towards a new modern: The land grant model and India's rural universities | Prakash Kumar |
| ID: 586 | | |

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	Ernst Hamm
ID: 941		
18:30 - 19:00	From rocks to mountains: the use of 'small' specimens for the 'great' history of the Earth during the 18th century	Ezio Vaccari
ID: 758		
19:00 - 19:30	Macro-evolution vs micro-evolution in Palaeontology. The 1970's "Punctuated Equilibria revolution" and its scientific/political issues	Claudine COHEN
ID: 949		
19:30 - 20:00	Scaling down the earth's history: visual materials for popular education by Nerée Boubée (1806-1862).	Silvia Figueiroa
ID: 667		

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	Dominik Huenniger
ID: 591		
18:30 - 19:00	Science from the quarterdeck: Naval-scientific networks and the 1870s Challenger Expedition	Penelope Hardy
ID: 835		
19:00 - 19:30	"So-called" coral reefs: Algae, transnational networks and the biological turn in reef science 1896-1928	Emily Hutcheson
ID: 797		
19:30 - 20:00	Circulating coral: Tracing the Pacific origins of captive coral systems	Sam Muka
ID: 908		

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	Joseph Wilson
ID: 1235		
18:30 - 19:00	The indispensable modern – the advertisements of computing technologies and their representations during redemocratization process in Brazil (1977-1985)	Marcelo Vianna
ID: 1066		
19:00 - 19:30	Female computers and more at the International Latitude Observatory of Mizusawa	Yukie Baba
ID: 1162		

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
ID: 897 Ellen Abrams

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 toystores – the curious case of the Zeiss stereotelemeter	Andreas Junk
ID: 520		
18:30 - 19:00	The Turkification of Astronomical Instrumentation in Ottomans between the 15th and 19th centuries	Merve Sandall
ID: 371		
19:00 - 19:30	Evolution of astrolabes from planispheric to universal and its transmission from the Islamic west to Islamic east	Saliha Bütün
ID: 536		
19:30 - 20:00	Jagiellonian University mechanics –their workshop and instruments – 19th-20th century	Ewa Wyka
ID: 930		

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	Jiang-Ping Jeff Chen
ID: 192		
18:30 - 19:00	Pitiscus' numerical solution for $\sin 1^\circ$ and his influence on Chinese mathematic	Jie Dong Yuan Yuan Guo
ID: 195		
19:00 - 19:30	The Position and Influence of the 13th-century Chinese Mathematician Yang Hui in the History of Chinese Mathematics	Shirong Guo
ID: 344		
19:30 - 20:00	New Arguments on the Relation Between Geng Shouchang and the Compilation of the Nine Chapters on Mathematical Procedures	Dahai Zou
ID: 323		

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	Yurika Saito
ID: 1132		
18:30 - 19:00	Giants and dwarfs: changing image of expert, his/her place and role in science history	Natalia Knekht
ID: 1244		
19:00 - 19:30	A Preliminary Study on Overseas-returned Chinese Architects in the First Half of 20th Century——based on Academic Pedigree	Mo Wang
ID: 1033		

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](#) David Danzig
ID: 1327
- 18:30 - 19:00 [The numerical differences of the two versions of Habash al-Hasib's astronomical tables](#) Johannes Thomann
ID: 114
- 19:00 - 19:30 [The emergence of auxiliary astronomical tables in medieval Europe](#) Glen Van Brummelen
ID: 317
- 19:30 - 20:00 [Demonstration of DISHAS, Digital Information System for the History of Astral Sciences](#) Segolene Albouy
ID: 1325

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](#) Matthew Perkins-McVey
ID: 1063
- 18:30 - 19:00 [Biology in BAAS during the nineteenth century: T.H. Huxley and the ephemeral life of a discipline](#) Juan Manuel Rodriguez-Caso
ID: 1156
- 19:00 - 19:30 [Julian Huxley, UNESCO and transhumanism: an outline of a biopolitical proposal](#) Paulina Cruz-Castañeda
ID: 1159

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](#) Ladislav Kvasz
ID: 94
- 10:30 - 11:00 [Geometric reasoning and arithmetic reasoning in the medieval tradition of Euclid's Elements](#) Leo Corry
ID: 238

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

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

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|--------------------------|--|---------------------------|
| 10:00 - 10:30
ID: 152 | The Transmission of European Medical Astrology in Qing China | Haohao
Zhu |
| 10:30 - 11:00
ID: 153 | A Primary Research on the Calculating Method of the Solar Eclipses in a Chinese Version of the Tyconic System (Chóngzhēn lishū 崇禎曆書) | Longfei
Chu
Chen Ji |
| 11:00 - 11:30
ID: 179 | A public cosmology lecture with a clockwork astronomical model in 18th century Japan | Ryuji
Hiraoka |
| 11:30 - 12:00
ID: 472 | The Non-Ptolemaic Islamic Star Tables in the Huihui-lifa and the Sanjufini-zij: Focusing on the analysis of precession and epoch | Eun-
Hee Lee |

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

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

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|--------------------------|--|----------------------|
| 10:00 - 10:30
ID: 102 | Reconstructing British and Russian envoys/expeditions to Japan at the end of the 18th century in relation to Daikokuya Kodayu | Yuko
Takigawa |
| 10:30 - 11:00
ID: 131 | Development of one of the world's largest zoological collections: collecting for Zoological museum in Stankt-Petersburg in 19th - early 20th century | Nadezhda
Slepkova |
| 11:30 - 12:00
ID: 458 | Meteorological observations in research programs of the Russian expeditions to Central Asia at the turn of the 20th century | Tatiana
Yusupova |

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

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

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|--------------------------|--|--------------------------|
| 10:00 - 10:30
ID: 608 | Cultures of quantification and computation as testified by the Śulbasūtras | Keller Agathe |
| 10:30 - 11:00
ID: 621 | Variety in a uniform tradition: A comparison of metrology and mathematical education in Old Babylonian sources | Robert
Middeke-Conlin |
| 11:00 - 11:30
ID: 661 | An analysis of the Double-Fourteenth Book in Billingsley's translation of Euclid's Elements | 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](#) Shuyuan Pan
ID: 890

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](#) Eric Bergelin
ID: 405

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

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

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

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](#) Birute Railiene
ID: 1228

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

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

Virtual Hall 7

Symposium Environmental policy, mining, and recultivation in East and West Germany. Brown coal of the Lausitz, Wismut, and the Ruhr (1949-1989/2000) (ICOHTEC) - ID 522

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](#) Ron-David Heinen
ID: 697

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

11:00 - 11:30 [Environmental Policy and the Uranium Ore Mining in East Germany, 1946-1990](#) Sabine Loewe-Hannatzsch
ID: 734

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](#) Michiko Yajima
ID: 671
- 10:30 - 11:00 [The elaboration of the concept of Gondwana and the making of the scientific discourse for extractivism](#) Mariana Ferrari
ID: 889 Waligora
- 11:00 - 11:30 [The Rearrangement of Scaling and Networking: Cosmographical Worldview Evolved into Geological Mapping](#) Toshihiro Yamada
ID: 911

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. Štrbáňová (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 \(1945-1960\)](#) Željko Oset
ID: 95
- 10:30 - 11:00 [Female scientists and the Academy of Science in 1950s and 1960s](#) Adéla Jůnová
ID: 23 Macková
- 11:00 - 11:30 [Heading a communist hierarchy: The case of Savka Dabčević Kučar](#) Marijana
ID: 26 Kardum
- 11:30 - 12:00 [Female scientists in Berlin \(East\) at the University and in the Academy of Sciences \(1946-1972\)](#) Annette B. Vogt
ID: 392

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](#) David
ID: 149 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](#) Regina
ID: 314 Jonach
- 11:00 - 11:30 [The photomosaic map, also known as the WWI "Flying Cinema"](#) Noemi
ID: 555 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

Davoigneau

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	Laure Miolo
ID: 597		
13:30 - 14:00	The hierarchical structure of tables: Lewis of Caerleon on the equation of time	Stefan Zieme
ID: 598		
14:00 - 14:30	Planetary latitudes tables in Conrad Heingartner's astronomical manuscripts	Camille Bui
ID: 617		
14:30 - 15:00	Conrad Heingartner's notes on canons for finding planetary latitudes	Nicholas Jacobson
ID: 639		

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

Virtual Hall 4

Symposium (Part 2/2) New perspectives: differentiating cultures in ancient mathematics (IASCU) - 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	LU PENG
ID: 635		
13:30 - 14:00	Mathematical cultures according to observers and to actors: The historiography of number systems and arithmetic	Karine Chemla
ID: 692		
14:00 - 14:30	19th Century French Scholars' observations on the Chinese abacus and its cultural background	Yan Wu Zhihui Chen
ID: 833		
14:30 - 15:00	19th Century French Scholars' observations on the Chinese abacus and its cultural background	Yan Wu Zhihui Chen
ID: 834		
14:30 - 15:00	How many mathematical cultures are there in the works of Fibonacci? An alternative perspective on differentiating cultures in mathematical practices	Fanglei Zheng
ID: 874		

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 Ďurčanský

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

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 ID: 1256	E-POSTER (De)colonizing climate change	Siddarth Venkatesh Agnidh Ghosh
13:10 - 13:20 ID: 1257	E-POSTER How to teach experiments in times of distance learning	Susanne Gruber
13:20 - 13:30 ID: 1265	E-POSTER Pierre Duhem Forgotten? A Reply from an Epistemological Point of View	Mirella Fortino
13:30 - 13:40 ID: 1237	E-POSTER Early history and development of high voltage electron microscope in Japan	Kotaro Kuroda
13:40 - 13:50 ID: 1270	E-POSTER Ancient and Early Modern Geometrical Optics	Piotr Błaszczuk
13:50 - 14:00 ID: 1272	E-POSTER European scientists-researchers of the Caucasus (XVIII-XIX centuries)	Zulfira Gagaeva
14:00 - 14:10 ID: 1274	E-POSTER Authors and patentees in aeronautics and aviation, 1880-1914	Peter B Meyer
14:10 - 14:20 ID: 1282	E-POSTER Michelangelo, Copernicus and the Sistine Chapel: the Last Judgment Decoded	Valerie Shrimplin

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 ID: 289	The Very First Use of Sextants and Octants in Turkish Marine in the 18th and 19th Centuries	Hakan SEMİZ
13:30 - 14:00 ID: 479	Scale for the Setting: The Tension Between Accuracy and Ease of Use in Exploration c1830-1850	Jane Wess
14:00 - 14:30 ID: 432	London as a stopover for Russian circumnavigations in the first half of the 19th century	Feliks Gornischeff
14:30 - 15:00 ID: 275	Britain's worldwide seismograph network and its private funders, 1896–1932	Alexandra Rose

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

Virtual Hall 9

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). | Renee Clary |
| ID: 656 | | |
| 13:30 - 14:00 | Small pieces of rocks, shells, sand grains and mineral nodules: islands and ocean as geological strategic projects in Brazil | Maria
Margaret
Lopes |
| ID: 660 | | |
| 14:00 - 14:30 | Scale in the history of geology. | Martina
Kölbl-Ebert |
| ID: 812 | | |
| 14:30 - 15:00 | Caught between cosmos and crystals, space and time: John Herschel's planet Earth | Gregory Good |
| ID: 893 | | |

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

Virtual Hall 10

S (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. | Martin Franc |
| ID: 481 | | |
| 13:30 - 14:00 | Could a woman become a professor of mathematics in a communist – ruled Poland? | Danuta
Ciesielska |
| ID: 30 | | |
| 14:00 - 14:15 | Soňa | Milada
Sekyrkova |
| ID: 1333 | | |
| 14:15 - 14:45 | Reminiscences and recollections of an “amateur“ historian of science | Soňa Štrbáňová |
| ID: 1322 | | |
| 14:45 - 15:00 | Video | Petr Svobodný |
| ID: 1334 | | |

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? | Matitiahu
Mayzel |
| ID: 336 | | |
| 13:30 - 14:00 | On civil service: reusing military assets for civilian purposes in Italy 1945-1955 | Ciro
Paoletti |
| ID: 877 | | |

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 ID: 89	Did Lobachevsky have a model of his "imaginary geometry"?	Andrei Rodin
10:30 - 11:00 ID: 96	Proof-events and agency: a new approach to the history of proving	Ioannis Vandoulakis
11:00 - 11:30 ID: 136	Diagrammatic proofs in the east and west	Jens Lemanski
11:30 - 12:00 ID: 1294	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 ID: 569	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 ID: 678	Kew observatory in europe and beyond, 1850-1900	Lee Macdonald
11:00 - 11:30 ID: 752	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 ID: 42	Computers in the service of Ekistics: On the science of human settlement in the post-war period	Nathalie Bredella
10:30 - 11:00 ID: 137	How computers helped to build Czechoslovak dams in the 1950	Helena Durnova
11:00 - 11:30 ID: 180	Theoretical and practical objectives of early machine translation in the 1960s	Jacqueline LEON
11:30 - 12:00 ID: 332	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	Peeter Mürsepp
ID: 640		
10:30 - 11:00	The unsung hero: reappraising the works of dr. dharmendra in leprosy research in india from 1930s to 1950s	Apalak Das
ID: 663		

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	Anna V. Samokish
ID: 868		
10:10 - 10:20	E-POSTER Making the way to post-industrial museum	Roman V. Artemenko
ID: 896		
10:20 - 10:30	E-POSTER Connected computer brands - how big brands connected unknowingly with each other	Bart van den Akker
ID: 924		
10:30 - 10:40	E-POSTER Computer museum as ICT technology archive	Rihards Balodis
ID: 933		

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?	Jaume Navarro
ID: 1291		
10:30 - 11:00	Causation and morality: Herbert Samuel and Arthur Eddington about Heisenberg's principle	Florian LAGUENS
ID: 274		
11:00 - 11:30	Goethe ab omni naevo vindicatus (fere): 20th-century physicists reread Goethe vs. Newton	Rocco Gaudenzi
ID: 1185		
11:30 - 12:00	When space-time met the world revolution	Alexei Kojevnikov
ID: 1313		

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 ID: 570	Using female body drugs for healings and longevity in Late Ming China	Hsiu-fen Chen
10:30 - 11:00 ID: 725	Women's medicine in premodern Europe (2): Conceptions of birth, hands, time and the world: from premodern to modern obstetrics	Bettina Wahrig
11:00 - 11:30 ID: 699	Eumenol—merck's patent emmenagogue and its chinese contexts (1896-1961)	JEN-DER LEE Chih-Hung Chen
11:30 - 12:00 ID: 766	Translation, Production and Application: Western Medicine at the Early Qing Court	Shih-Hsun Liu

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 ID: 1153	Conflict and Controversy in the University of Halle: Social Control and the Early Sciences in Germany, c. 1694-1730	Ellen McLinden
10:30 - 11:00 ID: 1031	The idea of "science" in eighteenth-century England.	Luiz Carlos Soares

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 ID: 399	The Parvadvayasādhana of Mallāri: A Sanskrit table text to compute eclipses	K Ramasubramanian
10:30 - 11:00 ID: 321	Ganeśapakṣa: the Grahalāghava of Gaṇeśa Daivajña and its commentaries by Mallāri and Viśvanātha	Sahana Cidambi
11:00 - 11:30 ID: 414	From complements to critiques: the culture of astronomy in Kāśī of the seventeenth century	Anuj Misra
11:30 - 12:00 ID: 333	The Gūḍhārthaprakāśikā of Raṅganātha and its significance	Dinesh Joshi

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](#) Mariana Sánchez
- ID: 1119
- 10:30 - 11:00 [Iatrochemistry movement at ottomans](#) ilknur şahin
- ID: 1091
- 11:00 - 11:30 [The tantalum metals and the attribution of elementary status in nineteenth-century analytical chemistry](#) Sarah Hijmans
- ID: 1169

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](#) Daniel Crespo
- ID: 788
- 10:30 - 11:00 [The Industrial Canals: From Transport Routes to Leisure, Cultural and Environmental Corridors. Regent's Canal, London](#) Beatriz Cabau
- ID: 762
- 11:00 - 11:30 [The British vs. the French: Rival Traditions in the Planning of American Canals and Railroads, 1800 to 1869](#) Todd Shallat
- ID: 841
- 11:30 - 12:00 [Technological continuation and innovation: three super combined bridge of the Qiantang River and the Yangtze River, 1935-1969](#) Lie SUN
- ID: 712

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 Qutb al-Dīn Shīrāzī's commentary on Avicenna's Canon of Medicine](#) Akihiro Tawara
- ID: 1177
- 10:30 - 11:00 [The scientific subject in the middle ages: eyeglasses, scribes, and ways of seeing](#) Paula Nunez de Villavicencio
- ID: 1099
- 11:00 - 11:30 [Bungler or Pioneer: Did Johann Dryander Forestall Vesalius in Brain Anatomy?](#) Lilla Vekerdy
- ID: 1111
- 11:30 - 12:00 [Maurício Oscar da Rocha e Silva: pharmaceutical research and its institutionalization in São Paulo – Brazil \(1934 - 1942\)](#) Isabella Bonaventura
- ID: 1181

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	Alexander Fursov
ID: 1088		
10:30 - 11:00	Issues of evaluating the significance of Late Medieval Natural philosophy	Julita Slipkauskaitė
ID: 1172		
11:00 - 11:30	Collaboration of Polish Logicians with Heinrich Scholz and “Group from Münster” (1932-1956)	Gabriela Besler
ID: 1093		
11:30 - 12:00	Cooperation between dwarves and science giants to overcoming conceptual borders and build a scientific philosophy of sustainability	Victor Hugo Oliveira Pinto
ID: 1114		

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 Švelch

13:00 - 13:30	From fluorescent gloves to closed-captioning. The deaf American's struggle for civil rights	Magdalena Zrodowska
ID: 258		
13:30 - 14:00	“Circumventive organs” and artificial tissues’ designs. Around the inside-body prosthesis in bioartistic projects	Ewelina Twardoch-Raś
ID: 789		
14:00 - 14:30	When health became wealth: the Progressive Era and the economic foundations of public health in the United State	Michael Halpern
ID: 958		

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	Peter Broughton
ID: 459		
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	Fernando B. Figueiredo
ID: 647		
14:00 - 14:30	Historical geomagnetic observations from Prague Observatory (1839 – 1917) and their contribution to geomagnetic research	Pavel Hejda
ID: 738		
14:30 - 15:00	The first instruments of the Meteorological and Magnetic Observatory of Coimbra: the standard barometer of Welsh	Paulo Ribeiro
ID: 880		

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 - 15:00	Misinformation age: What early modern scientific fakes can tell us about today's online fabrications	Marlis Hinckley
ID: 1326		

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	Rudolf Seising Helen Piel
ID: 1319		
13:30 - 14:00	From Syntelman to Rotex – or the birth of autonomy	Frank Dittmann
ID: 1321		
14:00 - 14:30	Comment on the Symposium's Papers by Stefan Poser and Discussion on Robots and AI	Frank Dittmann
ID: 1323		

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	Valery V. Shilov
ID: 955		
13:15 - 13:30	E-POSTER Timeline excerpts from the history of the Szeged IT collection	Mihály Bohus
ID: 956		
13:30 - 13:45	E-POSTER Andromorphism in the language of computers: a short history	Chris Zielinski
ID: 957		

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	Breno Arsioli Moura
ID: 1008		
13:30 - 14:00	Accuracy and error in Lord Rayleigh's teamwork	Vasiliki Christopoulou
ID: 1143		
14:00 - 14:30	Planck's constant in retrospect	Henk Kubbinga
ID: 1058		
14:30 - 15:00	Photography as a scientific tool in the study and medical illustration of the bubonic plague in Portugal (1899-1909)	maria estela jardim
ID: 1075		

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	Jiun Shen FONG
ID: 578		
13:30 - 14:00	Coca and cinchona: enacting the material relation in/between Taiwan and the globe	Shao-li Lu
ID: 579		
14:00 - 14:30	Medicalisation and its dependency on miracles and ruptures: Materialisations of drugs in South China (ca. 1870-1920)	Dominik Merdes
ID: 687		
14:30 - 15:00	General discussion of Panels 471 and 340	Bettina Wahrig
ID: 1311		

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.	Paolo Brenni
ID: 767		
13:30 - 14:00	Horace-Bénédict de Saussure (1744-1799): a pioneer of alpine measurement	Fischer Stéphane
ID: 283		
14:00 - 14:30	Ultramicroscopy in solid and liquid media – optical equipment to study nanoparticles prior to 1920	Timo Mappes
ID: 1095		

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](#) Jambughapitiye
ID: 387 Dhammaloka
- 13:30 - 14:00 [Remarkable contributions of Muniśvara: Dadhigrāma's tail end astronomer](#) Mahesh K
ID: 402
- 14:00 - 14:30 [Mathematical-Astronomical works by Luṭfullāh and Khairullāh, son and grandson of Aḥmad Ma'mār, the architect of Taj Mahal](#) S M Razaullah
ID: 426 Ansari
- 14:30 - 15:00 [The use of continued fraction technique among the works of Kerala astronomers](#) Venketeswara Pai
ID: 514 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](#) Takako Honjo
ID: 1056
- 13:30 - 14:00 [The Chemical Agent Monitor: UK-US technological collaboration in the 1980s](#) Abigail Eiceman
ID: 1262
- 14:00 - 14:30 [Hierarchies of models: creating a normative framework for computational quantum chemistry](#) Stylianos
ID: 1151 Kampouridis
- 14:30 - 15:00 [The politicisation of hydroxychloroquine during sars cov-2 pandemic- making a giant of a dwarf](#) Kamna Tiwary
ID: 1205

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 Lehmbruck

Chair: Christian Dayé

- 13:00 - 13:30 [Cold War social sciences: Transnational entanglements](#) Mark
ID: 419 Solovey
- 13:30 - 14:00 [Catastrophes, cross-cultural studies, and Cold War: The transnationalism of US-American "social science disaster research"](#) Cécile
ID: 513 Stehrenberger
- 14:00 - 14:30 [From Industrial Sociology to Social Planning: Sociology and Welfare Policies in Late Socialism, Czechoslovakia 1968-1989](#) Vítězslav
ID: 777 Sommer

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

13:20 - 13:40 [The Recension of the Conics of Apollonius by Naṣīr al-Dīn al-Tūsī](#) 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": abacus manuscripts in 15th-century Lombardy](#) Nadia Ambrosetti
 ID: 1062

14:20 - 14:40 [Tratado de la fábrica y uso de las pantómetras \(Anonymous, 17th c.\)](#) Elena Ausejo
 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 ID: 201	Displaced cities: interiority and identity in refugee camp	Rana Abudayyeh
16:00 - 16:30 ID: 473	Fish vs. Oil: pollution of the Volga and conservation science in the late imperial and early Soviet Russia (1870-1931)	Andrei Vinogradov
16:30 - 17:00 ID: 241	Racist Borders: Technology, Pseudo-Science and Migration Policies in late 19th Century Germany, Russian Empire, Canada, and Brazil	Jan Musekamp
17:00 - 17:30 ID: 382	Mobile Jobs, Mobile Worksites in the Tennessee Valley Authority (TVA), 1931-1945.	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 ID: 194	Little tools of Sinographic knowledge	Florence Hsia
16:00 - 16:30 ID: 568	Michael Boym SJ (1612-1659) and the publication of Flora Sinensis (Vienna, 1656) as part of the Jesuit enterprise	Eszter Csillag
16:30 - 17:00 ID: 50	Georg Joseph Kamel SJ (1661–1706): Natural knowledge in transit between the Philippines and Europe	Sebastian Kroupa
17:00 - 17:30 ID: 727	The Golden Mirror of Flowing Waters and the Global Mapping of Waterways	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 ID: 48	How Lew Kowarski brought computing to CERN	Arianna Borrelli
16:00 - 16:30 ID: 771	The principle of the division of labor in computing practices (1940s-1950s): presuppositions, advances, biases	Marie-José Durand-Richard
16:30 - 17:00 ID: 236	"Coded conduct: making users and the automation of mathematics"	Stephanie Dick

Virtual Hall 3

17:00 - 17:30

ID: 914

[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 Lüdecke

Chair: Penelope Hardy

15:30 - 16:00 [Giants of the deep: Scientific and cultural encounters with polar gigantism in](#)

ID: 636

[Antarctica](#)

Joy McCann

16:00 - 16:30

ID: 969

[Science in a Sub: the inter-war expeditions of Vening Meinesz](#)Katharine
Anderson16:30 - 17:00 [Canada's underwater habitat program and vertical dimensions of marine](#)

ID: 610

[sovereignty](#)

Antony Adler

Thursday, July 29, 2021 15:30 – 17:30

Virtual Hall 5

Symposium (Part 3/3) History of technology and museum business in XXI century. Information technology and computer science: heritage issues - ID 846

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

15:30 - 15:45 [E-POSTER Eastern European computers in the 60s and 70s: independent design,](#)

ID: 951

[licensing, and cloning](#)Tomasz
Kulisiewicz15:45 - 16:00 [E-POSTER Iskra Delta project "Milijarda" \(en.: Billion\) – Yugoslavs setting up an](#)

ID: 950

[internet network in China in 1984](#)

Gaja Zornada

16:00 - 16:15

ID: 952

[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](#)

ID: 920

[Emerging Technologies](#)Jonathan
Coopersmith

16:00 - 16:30

ID: 820

[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_\(centuries 15th BC-21st AD\)](#) Valentina
 ID: 404 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](#) Caterina
 ID: 260 Schürch

16:00 - 16:30 ["Tymonucleic acid was not as respectable as our DNA": Jean Brachet's research on nucleic acid metabolism \(1929-1945\)](#) Alessandra
 ID: 232 Passariello

16:30 - 17:00 [Commentary: Of biochemical communities, identity-forming alliances, and Otto Warburg's poaching in foreign disciplinary territories](#) Kärin
 ID: 487 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](#) Aditya Kolachana
 ID: 282

16:00 - 16:30 [Mathematics embedded in the nṛttam and sangītam traditions of India](#) Sruthi Natanakumar
 ID: 337

16:30 - 17:00 [Investigations on eclipse data preserved in the Kerala tradition](#) D.G. Sooryanarayan
 ID: 380

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](#) Sujin 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](#) Qi Han
 ID: 804
- 17:00 - 17:30 [Mathematics and Evidential Scholarship in Eighteenth Century China](#) Yiwen
 ID: 1324 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](#) Michel
 ID: 1195 Salazar
- 16:00 - 16:30 ['As a experienced missionary would explain the gospel to cannibals': Terracini and Levi in Argentina \(1938-1948\)](#) Erika
 ID: 1112 Luciano
- 16:30 - 17:00 [Numbers matter – Identity formation, scientific boundaries and community building in applied mechanics and applied mathematics in Denmark](#) Laila
 ID: 1059 Zwisler
- 17:00 - 17:30 [On the meaning of mathematical patrimony: the case-study of Gino Fano's personal collection](#) Elena
 ID: 1084 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?](#) Fanxiang
 ID: 515 MIN
- 18:30 - 19:00 [Urban life, medicine market and medical school: regional medical society of Hangzhou from the 16th to 18th centuries](#) Yurong
 ID: 694 Feng
- 19:00 - 19:30 [A Preliminary Comparison of the Development of TCM Hospitals and WM hospitals in Modern Shanghai](#) Na Yan
 ID: 982

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 Earthmagnetism \(ZAMG\) in 1851](#) Christa
 ID: 592 Hammerl

Virtual Hall 2

18:30 - 19:00	Fail at home, success abroad. The case of the Spanish geomagnetic observatories in the XIX century	Josep Batlló
ID: 743		
19:00 - 19:30	History of space weather studies and observations: Russian aspect	Anatoly Soloviev
ID: 779		
19:30 - 20:00	Algiers 1841: French colony to serve the Magnetic crusade?	Frederic Soulu
ID: 818		

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	Liesbeth De Mol
ID: 75		
18:30 - 19:00	A multiperspective causal analysis of computing in predictive models based on machine learning	Franck Varenne
ID: 257		
19:00 - 19:30	Roundtable: Promoting dialogue in the history of computing – an Aristotelean perspective	Daniela Zetti
ID: 277		
19:30 - 20:00	Finding a story for the history of computing	Thomas Haigh
ID: 901		

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	Naomi Oreskes
ID: 980		
18:30 - 19:00	An 'open secret': Geologists and oil industry secrecy in the Mediterranean's seafloor exploration	Beatriz Martínez-Rius
ID: 977		
19:00 - 19:30	Secrecy and seabed mining: questioning the freedom of marine science during the 1970s	Sam Robinson
ID: 983		
19:30 - 20:00	The Invisible Sinking Surface: Hydrogeology, Fieldwork and Photography in California	Rina C. Faletti
ID: 1295		

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 ID: 793	The History of Chemistry in Chemical Education	John Powers
18:30 - 19:00 ID: 781	In praise of a historical storytelling approach in science education	Daniel Gamito-Marques
19:00 - 19:30 ID: 751	Big history in 10-minute videos: How highlights help in survey courses	Allison Marsh
19:30 - 20:00 ID: 763	Bringing history into the lab: a new approach to scientific learning in general education	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 Laemmler, Whitney Laemmler

18:00 - 18:30 ID: 651	Penicillin and the industrialization of pharmaceutical technologies in China	Mary Brazelton
18:30 - 19:00 ID: 653	Industrial craft: machine, skill, and the making of the factory system	Yuan Yi
19:00 - 19:30 ID: 654	Medical things and the healer's body in the Qing court's Golden Mirror, 1742	Marta Hanson
19:30 - 20:00 ID: 729	Psychology as bodily technology in industrial China	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 ID: 546	Science, commerce, and art: the evolution and significance of the microscope slide	Alexi Baker
18:30 - 19:00 ID: 873	The IGN instrument Gallery – a collection of threatened instruments	Loïc Jeanson Jean Davoigneau
19:00 - 19:15 ID: 1279	E-POSTER A paper sky - Planispheric celestial volvelles	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?](#) Zhigang Ji
ID: 105
- 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](#) Joseph Dauben
ID: 117
- 19:00 - 19:30 [Some examples of how correctly transcribe characters in the 算數書 Suanshushu](#) XULIN ZHOU
ID: 122
- 19:30 - 20:00 [Yang Hui's Study of Mathematics in 13th-Century China](#) Wann-Sheng Horng
ID: 132

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 Mürsepp

Chair: Susan Schmidt-Horning

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

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](#) Laura Meneghello
ID: 718

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](#) M. Luísa Sousa
ID: 728
- 19:00 - 19:30 [Transportation hubs: new public spaces for the city](#) Patricia Hernández-Lamas
ID: 887 Beatriz Cabau

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 12

Session XX - Genetics

Chair: Soňa Štrbáňová

- 18:00 - 18:20 [Neither giants nor dwarves: eugenic family studies and the quest for the "normal" citizen in interwar czechoslovakia](#) Vojtěch Pojar
ID: 1103
- 18:20 - 18:40 [Mendel Memorial Symposium 1965 – The event of genetics between the past, ideology and its modern development](#) Simona Slezáková
ID: 1201
- 18:40 - 19:00 [Sketching an "Andean race" through early-twentieth-century scientific diagrams of the "Mongolian spot"](#) Paloma Rodrigo Gonzales
ID: 1144
- 19:00 - 19:20 [Erotetic Aspects of the History of Classical Genetics](#) Pablo Lorenzano
ID: 1069
- 19:20 - 19:40 [Once upon a time in the Cold War: the construction of molecular genetics of bacteria in Mexico](#) Marco Ornelas-Cruces
ID: 1106

Thursday, July 29, 2021 18:00 – 20:00

Virtual Hall 13

Symposium (Part 3/3) CHCMS (History of Chemistry and Molecular Sciences) - ID 1296

Symposium organizer: Brigitte Van Tiggelen

Chair: Cyrus Mody

- 18:00 - 18:30 [Vanadium: A History of Mexican Chemistry](#) Rocio Gomez
ID: 1306
- 18:30 - 19:00 [Chemurgy: Agricultural Engineering in Republican China and the American Midwest, 1925-1935](#) Tristan Revells
ID: 1307
- 19:00 - 19:30 [Chemical information and the history of modern chemistry](#) Evan Hepler-Smith
ID: 1308
- 19:30 - 20:00 [Comment and general discussion](#) Brigitte Van Tiggelen
ID: 1310

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	Mikhail Gribovskiy
ID: 296		
10:20 - 10:50	Molecular biology in Soviet universities in the early 1960s	Jérôme PIERREL
ID: 308		
10:50 - 11:20	Science studies in the Soviet Union	Viktor Kupriyanov
ID: 628		
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	Alexander Sorokin
ID: 928		

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	Eberhard Knobloch
ID: 230		
10:30 - 11:00	"Proofs as Games?" Frege vs. Hilbert and Wittgenstein	Ingolf Max
ID: 268		

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	Kerby Alvarez
ID: 572		
10:30 - 11:00	Weather and Religion in Europe in the Vulgar Era: the Meteo - providential Saints	Matteo De Vincenzi
ID: 573		
11:00 - 11:30	Weather lore and meteorology in the notes of Jan Strialius of Pomnoui (1535/1536-1582)	Barbora Kocánová
ID: 619		
11:30 - 12:00	The meteorological knowledge and beliefs in ancient Greece in "Diosemeia" of Aratus	Milan S. Dimitrijević
ID: 631		

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 ID: 518	What can Neolithic imagery convey about bright stellar transients?	Richard Strom
10:30 - 11:00 ID: 339	The Many Face(t)s of Comets in Early Modernity	Anna Jerratsch
11:00 - 11:30 ID: 553	Mount Taranaki, the great comet of 1882, and the genesis of cometary photography in New Zealand	John Drummond

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 ID: 724	The evolution of scientific instruments as a history of intersecting lives: Literature representations of the scientific progress at the 16th century Astronomy	Manolis Kartsonakis
10:30 - 11:00 ID: 759	«Greek Gifted Students' Emotional, Social and Academic Experiences: A Qualitative Analysis»	Anastasia Kyritsi
11:00 - 11:30 ID: 1246	The problem of scientific terminology in Lady Welby's signification	Ekaterina Shashlova
11:30 - 12:00 ID: 737	The Doctor - Poet Miltiades Emmanuel (1825-1916), the dengue fever in the city of Smyrna in Asia Minor and a satirical poem	Konstantinos Konstantopoulos

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 ID: 390	Symposium Introduction and overview	Hugh Slotten
10:30 - 11:00 ID: 594	Collecting, classifying and constructing nature: indigenous knowledge and the naming of species in the Pacific, 1768–1782	Edwin Rose
11:30 - 12:00 ID: 796	Implementing global health policy: eradicating smallpox in Nepal	Susan Heydon

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

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

Friday, July 30, 2021 10:00 – 12:00

Virtual Hall 10

Session XVI (Part 3/5) - Medicine

Chair: Tereza Kopecká

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

Friday, July 30, 2021 10:00 – 12:00

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 ID: 362	An age of crisis in space?: science fiction and the future of space warfare	Heather Venable
10:30 - 11:00 ID: 466	The Social History of the GPS: How Precision Navigation and Timing has Transformed Our Lives	Michaela Schanep

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 (IASCUUD) - ID 547

Symposium organizer: Karine Chemla, Erwin Neuenschwander

Chair: Karine Chemla

10:00 - 10:30 ID: 630	Historiography in the making: Humboldt and the mathematicians on ancient mathematical texts	Ivahn Smadja
10:30 - 11:00 ID: 620	Editing the Rhind Mathematical Papyrus	Christopher Hollings
11:00 - 11:30 ID: 825	Differences between interpretations using and not using modern mathematical symbols? The “procedure of pile-accumulation” in the Jade Mirror (1303).	Xiaohan Zhou
11:30 - 12:00 ID: 847	Van der Waerden’s Approach to History of Science. His methods and results in comparison to contemporaries	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

13:00 - 13:30	Science in the Soviet Satellites: East-German Research on an example of the Central Institute for Nutrition	Georgy Levit
ID: 290		
13:30 - 14:00	Genetics in Soviet universities in the “post-Lysenko” epoch	Sergey Shalimov
ID: 334		
14:00 - 14:30	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	Laurent MAZLIAK
ID: 345		
14:30 - 15:00	Soviet university seen from Japanese academia	Hirofumi Saito
ID: 851		

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

13:00 - 13:30	Manchester the rainy city: the emergence, popularisation and persistence of a meteorological myth	Alexander Hall
ID: 566		
13:30 - 14:00	Reading the skies: exploring the intersection of ethnometeorology, folk traditions and meteorology	Biswanath Dash
ID: 644		
14:00 - 14:30	Climate at the margins: how consumer demand can exacerbate vulnerabilities to climatic fluctuations	Robert Naylor
ID: 1137		
14:30 - 15:00	The application of meteorology by the Republic of China in the development of rural areas, 1912-1949	Xiao Liu
ID: 1147		

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

13:00 - 13:30	Star atlas: ancient astronomy in the planetarium	Katie Boyce-Jacino
ID: 652		
13:30 - 14:00	Some thoughts on stellar constellations in rock art	Christiaan Sterken
ID: 246		
14:00 - 14:30	Reconstruction of historical constellations	Susanne M Hoffmann
ID: 503		

Virtual Hall 4

14:30 - 15:00

ID: 254

[The Hellenistic constellations through words and images](#) Stamatina Mastorakou**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-](#)

ID: 1247

[1918](#)

Kento Yokoi

13:30 - 14:00

ID: 1123

[Virtual Particles: From Hideki Yukawa to Richard Feynman](#)Jean-Philippe
Martinez

14:00 - 14:30

ID: 1198

[Atomic fish: Sublime and non-sublime nuclear nature imaginaries](#)

Anna Storm

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](#)

ID: 393

[modern genetics](#)

Hamish Spencer

13:30 - 14:00

ID: 396

[Tracing the Artisan in a Philosopher's Practices](#)Catherine Abou-
Nemeh

14:00 - 14:30

ID: 798

[Missionaries and science in global context](#)

John Stenhouse

14:30 - 15:00 [The making of green gold: An entangled history of medicinal plants](#)

ID: 926

[introduced to the Philippines in the Age of the Galleons](#)Marianne Jennifer
R. Datiles**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](#)

ID: 1261

[came to be seen as peripheral](#)Anna
Kvicalova

13:30 - 14:00

ID: 1053

[A failed object or a failure of an object? The Electrophone in Britain 1893 – 1935](#)Natasha
Kitcher

Virtual Hall 8

- 14:00 - 14:30 [Visualization of Astronomical Interfusion: A Geocentric Armillary Sphere in the Qing Dynasty Palace in 1669](#) Nan Zhang
- ID: 400
- 14:30 - 15:00 [Horoscopes in the seventeenth-century Ottoman annual astrological predictions: Hüseyin Efendi's Ahkām-ı ʿāli'ī-sāl ve takvīm](#) Gaye Danişan
- ID: 1154

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](#) Martin Rohde
- ID: 677
- 13:30 - 14:00 [Building Europe through physics during the Cold War](#) Roberto Lalli
- ID: 775
- 14:00 - 14:30 [They might be giants: lesser power and alternative channel efforts in science diplomacy - Part 2/2](#) Katrin Heilmann
- ID: 917
- 14:30 - 15:00 [American 'Soft Power' in France, 1801-1851](#) Andrew Butrica
- ID: 684

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](#) Ekaterina Petrenko
- ID: 1140
- 13:30 - 14:00 [Establishing Rapport: Gary Fisher's LSD Treatment of Autistic and Schizophrenic Children in the 1960s](#) Andrew Jones
- ID: 1202
- 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](#) José Gómez Lara Luis De
- ID: 1081
- 14:30 - 15:00 [Hilary Koprowski - the forgotten winner in the fight against polio](#) Weronika Marzena Lebowa
- ID: 1239

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 ID: 742	Lifts - A sign of wealth or the technical awareness development of the society?	Katarzyna Pietrzak
13:30 - 14:00 ID: 773	Technical development of air transport in Slovakia in the context of political changes in 20th century	Ludovít Hallon Miroslav Sabol
14:00 - 14:30 ID: 739	The Luxury on Wheels: Tourist Trains in the Interbellum Poland	Anna Turza

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 ID: 575	Newton's prisms in the Whipple Museum	Joshua Nall
13:30 - 14:00 ID: 446	Newton's prism in the Royal College of Physicians	Lowri Jones
14:00 - 14:30 ID: 735	s Gravesande's prisms in the Boerhaave Museum	Tiemen Cocquyt
14:30 - 15:00 ID: 809	s-Gravesande's prisms in the Utrecht University Museum	Paul Lambers

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 ID: 427	"Through play, knowledge": Computer toys and the scientific-technological revolution in the GDR	Mario Bianchini
16:00 - 16:30 ID: 534	Late socialist "open source" technologies: The case of the Czechoslovak Turbo 2000 loader for Atari home computers	Jaroslav Švelch
16:30 - 17:00 ID: 870	Narrating computer history through the prism of popular technical knowledge infrastructure: the late Soviet case	Zinaida Vasilyeva

Virtual Hall 1

17:00 - 17:30 [The Siren Song of Socialist Silicon: Deriving Lessons for Contemporary Computing from Communist Czechoslovakia](#) Robert Jameson
 ID: 960

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](#) anthony n
 ID: 313 stranges
 16:00 - 16:30 [Energy transition in 20th & 21st centuries: challenges and environmental impact](#) Elena Helerea
 ID: 685
 16:30 - 17:00 [Climate change science - a paradigm and its opponents](#) Petter Wulff
 ID: 714

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 Zījēs](#) Taro Mimura
 ID: 794
 16:00 - 16:30 [Zij Yamini, a newly found Persian astronomical handbook from early 12th century](#) Mohammad BAGHERI
 ID: 831
 16:30 - 17:00 [Students as agents in the development of 'Alī al-Qūshjī's al-Risāla al-Fathiyya: Astronomy education in Ottoman Constantinople](#) Hasan Umut
 ID: 886
 17:00 - 17:30 [Explanation Necessary: 'Alī Qushjī's Commentary on the Zīj of Ulugh Beg](#) Robert Morrison
 ID: 1293

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?](#) David DeVorkin
 ID: 497
 16:00 - 16:30 [Re-discussion about the two celestial images unearth in Nara, Japan](#) Huichih Chuang
 ID: 509

Virtual Hall 4

16:30 - 17:00

ID: 291

[Art and astronomical knowledge at Dendera in the 1st century BCE](#) Rosalind Park**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

Friday, July 30, 2021 15:30 – 17:30

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

ID: 587

[Paper chains: nature, commerce, and mediation in archives in the Dutch East Indies](#)

Genie Yoo

16:00 - 16:30

ID: 700

[From hooker to cockayne, new zealand floras and handbooks, 1853-1934](#)Anton
Sveding

16:30 - 17:00

ID: 918

[Global trade in human organs: historical perspectives](#)Susan
Lederer

17:00 - 17:30

ID: 826

[From ethnohistory to ethnology - & back again: plant nomenclature, translation and territoriality in Aotearoa NZ](#)

Geoff Bil

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

ID: 674

[The jewishness of jewish artefacts—jewish mathematical instruments and their medieval and contemporary narratives](#)Josefina
Rodriguez-
Arribas

16:00 - 16:30

ID: 361

[Religion as a driving force for science: the knowledge of timekeeping](#)Taha Yasin
Arslan

16:30 - 17:00

ID: 605

[Toward diverse global histories of science and technology: new strategies for displaying and interpreting Islamic instruments for wider audiences](#)Glaire
Anderson

17:00 - 17:30

ID: 395

[Jesuit Observatories and Jesuit Science](#)Guy
Consolmagno

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 | Beto Pimentel |
| ID: 1079 | | |
| 16:00 - 16:30 | Creative transductive strategies to reduce the gaps: socio-economic inequality in the history and philosophy of primary education in Argentina | Sandra Visokolskis |
| ID: 1230 | | |
| 16:30 - 17:00 | History of scientists and men, between teaching and the history of science | Matteo Torre |
| ID: 1219 | | |

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's collaboration in the scientific-naval expeditions in the Patagonian coast | Susana Valeria Garcia |
| ID: 614 | | |
| 16:00 - 16:30 | The messengers of science from paso de Cortés: measurements and experiments in high altitude mountains in Mexico, 19th century | Laura Chazaro |
| ID: 740 | | |
| 16:30 - 17:00 | The Salvador collection in Barcelona at the beginning of the 19th century: between the "curious public" and the "positive science" | Xavier Ulled |
| ID: 866 | | |
| 17:00 - 17:30 | Archaeology at the Hotel, Paleontology at the Café: scientific encounters in unexpected places | Nathalie Richard
Irina Podgorny |
| ID: 976 | | |

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 | Yung Sik Kim |
| ID: 1280 | | |

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](#) Carlos 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 \(IAHS\)](#) S.S. 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](#) Roberto Lalli
ID: 251
- 18:30 - 19:00 [International astronomy in Chile. Scientists, politicians and the public in the 1960s](#) Barbara Silva
ID: 462
- 19:00 - 19:30 [Imaginations and icons: imaging the cosmic first light, 1974-2014](#) Connemara Doran
ID: 381
- 19:30 - 20:00 [Curved space on a flat surface: the Event Horizon Telescope and visual representations of black holes](#) Emilie 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](#) Laura Nenzi
ID: 267
- 18:30 - 19:00 [A struggle between external aid and self-support: the financing of Puji Hospital in Dongguan, China](#) Yuping 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

18:00 - 18:30 ID: 642	The Arabic Translation of Marwazī's Kayhān Shinākht	kaveh niazi
18:30 - 19:00 ID: 676	Early-modern European astronomy and Iranian religious elites	Amir-Mohammad Gamini
19:00 - 19:30 ID: 747	If the thumb is twitching ... Palmomantic practices in Arabic sources	Petra G. Schmidl
19:30 - 20:00 ID: 939	Andalusī pharmacognostical Ğāmiġ-texts: reflections on the evolution and dispersal of a local literary species	Theo Loinaz
19:30 - 20:00 ID: 903	Science across the borders: al-Andalus and Byzantium in the 10th century	Miquel Forcada

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

18:00 - 18:30 ID: 542	Planetary position, pictorial composition: Visual knowledge and the Eastern Eurasian horoscope	Michelle McCoy
18:30 - 19:00 ID: 510	An early representation of a star pattern on an ancient Egyptian coffin of the first intermediate period (2181-2040 BCE)	Elizabeth Minor
19:00 - 19:30 ID: 519	Iconography and the cross-cultural transformation of zodiacal astral science in antiquity	Mathieu Ossendrijver
19:30 - 20:00 ID: 298	Images in Babylonian astronomical and astrological texts	John Steele

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

18:00 - 18:30 ID: 749	Changing pedagogical landscapes of the history of science and 'Two Cultures'	Karen Rader
18:30 - 19:00 ID: 748	Reconstructing Early Modern Artisanal Epistemologies and an "Undisciplined" Mode of Inquiry	Tianna Uchacz Pamela Smith
19:00 - 19:30 ID: 786	History in the education of scientists: Encouraging judgment and social action	Vivien Hamilton

Virtual Hall 5

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

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 Nicoladis, Dalong Lu

18:00 - 18:20	Data analysis of the historical records of Sun, Moon and planets in Ming Shilu	Liping MA
ID: 814		
18:20 - 18:40	Ptolemaic Planetary Theory in Qizheng Tuibu (1477)	LU Dalong
ID: 856		
18:40 - 19:00	Studies of MYTWS Versions: Communication of Ptolemaic astrology from Islam	HAN Dongyang
ID: 857		
19:00 - 19:20	A study on Ferdinand Verbiest 's star catalogue	Fan YANG
ID: 1077		
19:20 - 19:40	From Nestorians to Matteo Ricci: Ptolemaic Influences in China	Kam Wing FUNG
ID: 919		
19:40 - 20:00	Preliminary study on the inner planets observations of Ptolemy in Chongzhen Lishu	Changwei Zhu
ID: 1170		

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?	Raphael Beuing
ID: 409		
18:30 - 19:00	Instruments to measure character – religious practitioners and psychological testing in the United States, 1920-1940	Peggy Kidwell
ID: 417		
19:00 - 19:30	What's in a label?: 'Science' and 'Religion' in a museum context.	Mathilde DAUSSY-RENAUDIN
ID: 571		
19:30 - 20:00	Science and religion – knowledge and faith. A practical museum approach	Silke Ackermann
ID: 379		

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	Isobel Falconer
ID: 800		
18:30 - 19:00	(No) Love at first sight - group theory and quantum mechanics	Martina Schneider
ID: 801		
19:00 - 19:30	High dimensional spaces and mechanical systems	Jesper Lützen
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 Mürsepp

Chair: Alexander Magoun

18:00 - 18:30	Women making noise: sound, power and gender from stage to studio	Susan Schmidt Horning
ID: 138		
18:30 - 19:00	‘Hello girls’ and a ‘big dial’: women as handmaidens of technological change	Jan Hadlaw
ID: 150		
19:00 - 19:30	Finding reproductive freedom in biologicistic thinking	Jiemin Tina Wei
ID: 292		
19:30 - 20:00	“Boys will be boys”: gender, plug sockets, and electrical safety in the interwar British home	Alona Bach
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	Glenda Turner
ID: 959		
18:30 - 19:00	Vicente Marcano (1848-1891), polymath chemist, discoverer of the Bromelain enzyme, and father of experimental science in Venezuela	José Álvarez- Cornett
ID: 984		
19:00 - 19:30	Invention or Business? Pioneers of the television technology and industry -Vladimir Zworykin and David Sarnoff.	Vasily Borisov
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
ID: 1027 [Denialism in Brazil: a review of the dispute between post-thuth and science](#) Vagner Ramalho
- 18:30 - 19:00 [Hierarchy within the Soviet scientific community: filters and positions of the 1920s](#) Evegeniya Dolgova
- 19:00 - 19:30
ID: 1275 [Scientific fakery: from the early modern to contemporary times](#) 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
ID: 373 [Abū al-Barakāt's diagram method in logic](#) Wilfrid Hodges
- 10:30 - 11:00 [Geometry and Arithmetic-Analysis and Synthesis in Ancient Greek Mathematical Tradition](#) Kostas Nikolantonakis
- 11:00 - 11:30
ID: 858 [Understanding computer-assisted proofs](#) 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](#) 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](#) 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	Ana Romero de Pablos
ID: 253		
10:30 - 11:00	The Eastern bloc countries and the International Atomic Energy Agency: knowledge transfer and radiation protection	Irina Fedorova
ID: 785		
11:00 - 11:30	How the United Nations conceived nuclear rights	Linda Marie Richards
ID: 787		
11:30 - 12:00	The introduction of radiation protection rules in postwar Greece through IAEA fellowships	LOUKAS FRERIS
ID: 940		

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	Yue Liang
ID: 1243		
10:30 - 11:00	Histories of Healing: Traditional and Local Medicine in Times of Pandemic	Andrea Núñez Casal
ID: 1255		
11:00 - 11:30	100 years since the discovery of insulin – giants and dwarfs who made it possible	Iuliana Popescu
ID: 1268		
11:30 - 12:00	Calculating prodigies as evidence for phrenology in Europe	Andrea Graus
ID: 1071		

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	Joachim Kurtz
ID: 57		
10:30 - 11:00	Aspiration and Reality: Institutional Culture Construction of the Academia Sinica (1927-1948)	Banghong Fu
ID: 65		

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 ID: 1134	Name, identity, and discipline formation: the development of Busseiron in Japan	Hiroto Kono
10:30 - 11:00 ID: 1174	Physics in the field: expeditions and field stations in the 20th century.	Adriana Minor
11:00 - 11:30 ID: 1260	Where Nobel Laureates and Nameless meet. The significance of “science for all” events to CERN’s mission in the 1970s	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 ID: 1158	Chien-Shiung Wu in Experimental Philosophy.	Indianara Silva
10:30 - 11:00 ID: 1217	About the history of the development of quality methods: from the local approach to the global one	Egor Bogatov
11:00 - 11:30 ID: 1225	The turning points in the history of science of science	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 ID: 675	Digging in the dirt: uranium diplomacy, development, and the IAEA	Matthew Adamson
13:30 - 14:00 ID: 745	European technoscientific diplomacy and the Fukushima nuclear emergency. A diplomatic meltdown?	Maria Paula Diogo
14:00 - 14:30 ID: 811	A “paper tiger” in science diplomacy? Scientific initiatives through SEATO, 1954-1977	Simone Turchetti
14:30 - 15:00 ID: 863	On the Road to Stockholm: Prague Symposium on Problems Relating to Environment, 1971	Doubravka Olšáková

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 Mürsepp

Chair: Peeter Mürsepp

13:00 - 13:30 ID: 140	"The latent heat of vaporization is totally lost": can solar energy be a risk for sustainability?	Nelson Arellano
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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

ID: 838

[Materialistic wizards: scientists in soviet science fiction](#)

Aleksandr Fokin

13:30 - 14:00

ID: 842

[American Images of the Soviet science in the Cold war \(1950-1980s\)](#)

Dmitry Nechiporuk

14:00 - 14:30

ID: 869

[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

ID: 1183

[Diamilla Muller's early simultaneous magnetic observation efforts](#)Vitor
Bonifácio

13:30 - 14:00

ID: 1004

[Britain's Atomic Energy Strategy towards Japan: The Anglo-American "Special Relationship", 1939-1959](#)Kenzo
Okuda

14:00 - 14:30

ID: 1264

[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

ID: 423

[The vatican observatory historical collections: a different perspective on the connection between science and religion](#)Ileana
Chinnici

13:30 - 14:00

ID: 366

[The great meridian circle of Reichenbach and Ertel in Tartu Observatory](#)

Lea Leppik

14:00 - 14:30

ID: 247

[Instruments of the short-lived Tallinn Naval Observatory](#)Janet
Laidla

14:30 - 14:45

ID: 1105

[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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