

Prague International Congress of History of Science and Technology, 26-31 July 2021
(<https://www.ichst2021.org/>)

Virtual 40th Symposium of the Scientific Instrument Commission (<http://scientific-instrument-commission.org/>), 12 July 2021

Fourteen sessions including our AGM, hosted on the Congress virtual platform (Congress registration required), **all times for Prague (Central European Summer Time (GMT+2))**, all presentations and discussions “live” during these times.

Individual presentations should be 20 minutes, following by 10 minutes for discussion.

SIC Session 1 (ID 204), Monday, 26 July, 12:30 – 14:30, Chair: Alison Boyle

ID: 293 Peter Heering: Transformations, turning research experiments into teaching demonstrations

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

ID: 394 Sena Aydın: The impact of Salih Zeki's optical works on the physics education in the 20th-century Ottoman Turkey

ID: 263 Roland Wittje: Robert Pohl in Madras: German teaching instruments and practices in India

SIC Session 2 (ID 205), Monday, 26 July, 15:00 – 17:00, Chair: Roland Wittje

ID: 284 Christian Forstner: Crossing the boundaries between instrument makers, science, and industry

ID: 478 Fanny Gribenski, David Pantalony, Pavel Šturm: From Paris to Prague: precision tuning across boundaries

ID: 1078 Marco Storni: Denis Papin's digester: A European history

ID: 272 Richard L. Kremer: From steam engines to equatorial telescope mounts: Controlling power and crossing boundaries from 1780 to 1860

SIC Session 3 (ID 206), Monday, 26 July, 17:30 – 19:30, Chair: Tayce Phillipson

ID: 255 Rebekah Higgitt: Giants and dwarfs at the Ordnance Office in the Tower of London

ID: 320 Pedro M. P. Raposo: Looking through and at giants: the iconography of telescopes and gigantism in the nineteenth century

ID: 259 Rupert Cole: Fermenting at scale: ICI's 'Pruteen' experiment – from animal feed to bioplastic, 1967-1991 [revised title]

ID: 1030 Osnat Katz: Small components, "Big Science": Electronics and engineering at the Mullard Space Science Laboratory

SIC Session 4 (ID 207), Tuesday, 27 July, 12:30 – 14:30, Chair: Paolo Brenni

ID: 425 Sibylle Gluch, Michael Korey: A matter of trust and control: Questioning the precision of 'precision clocks' in 18th-century observatories [revised title]

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

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

ID: 338 Ke Zhao, Tao Zhou, Deli Chen: An oscilloscope and a life: The beginning of China's electronic measuring instruments field

SIC Session 5 (ID 209), Tuesday, 27 July, 15:00 – 17:00, Chair: Alexi Baker

ID: 310 Marv Bolt: The transformation of a failed scientific instrument: a tool for teaching science, a work of art, and an inspiration for art [revised title]

ID: 442 T.M. van der Spek: Show, don't tell: the magic lantern and 19th century science popularization

ID: 287 Artemis Yagou: Play, design, science: spinning tops, crossing spaces, understanding physics

ID: 968 Jan Waling Huisman: There's no future without history

SIC Session 6 (ID 210), Tuesday, 27 July, 17:30 – 19:30, Chair: Michael Korey

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

ID: 371 Merve Sandalli: The Turkification of astronomical instrumentation in Ottomans between the 15th and 19th centuries

ID: 536 Saliha Bütün: Evolution of astrolabes from planispheric to universal and its transmission from the Islamic West to Islamic East

ID: 930 Ewa Wyka: Jagiellonian University mechanics – their workshop and instruments, 19th-20th century

SIC Session 7 (ID 211), Wednesday, 28 July, 12:30 – 14:30, Chair: Martin Weiss

ID: 289 Hakan Semiz: The very first use of sextants and octants in Turkish maritime in the 18th-19th centuries

ID: 479 Jane Wess: Scale for the setting: the tension between accuracy and ease of use in exploration c. 1830-1850

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

ID: 275 Alexandra Rose: Britain's worldwide seismograph network and its private funders, 1896–1932

SIC Session 8 (ID 213), Thursday, 29 July, 12:30 – 14:30, Chair: Janet Laidla

ID: 767 Paolo Brenni: The catalogue of Lavoisier' collection: New light of an important 18th-century collection of scientific instruments

ID: 283 Stéphane Fischer: Horace-Bénédict de Saussure (1740-1799): A pioneer of alpine measurement

ID: 469 Pierre Lauginie: Cavendish's density of the earth (1798): Re-examination of an "error" in light of the handwritten manuscript

ID: 1095 Timo Mappes: Ultramicroscopy in solid and liquid media – optical equipment to study nanoparticles prior to 1920

SIC Session 9, Thursday, 29 July, 15:00 – 17:00, Scientific Instrument Commission AGM

Session 10 (ID 215), Thursday, 29 July 17:30 – 19:30, Chair: Rebekah Higgitt

ID: 546 Alexi Baker: Science, commerce and art: The evolution and significance of the microscope slide

ID: 560 Israel Corrales Vázquez, Jorge Luis Gálvez Soler: The Cuban "collector" organisations and the rescue of the nation's technological heritage

ID: 873 Loïc Jeanson, Jean Davoigneau: The IGN instrument gallery – a collection of threatened instruments

ID: 1279 Thomas Hockey: A paper sky - Planispheric celestial volvelles

SIC Session 11 (ID 216), Friday, 30 July, 12:30 – 14:30, Chair: Sofia Talas

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

ID: 1053 Natasha Kitcher: A failed object or a failure of an object? The Electrophone in Britain 1893 – 1935

ID 400: Nan Zhang: Visualization of astronomical interfusion: a geocentric armillary sphere in the Qing dynasty palace in 1669

ID: 1154 Gaye Danişan: Horoscopes in the seventeenth-century Ottoman annual astrological predictions: Hüseyn Efendi's Aḥkām-ı t̄ālī'-i sāl ve taḳvīm

SIC Session 12 (ID 217), Friday, 30 July, 15:00 – 17:00, Chair: Silke Ackermann

ID: 674 Josefina Rodríguez-Arribas: The Jewishness of Jewish artefacts—Jewish mathematical instruments and their medieval and contemporary narratives

ID: 361 Taha Yasin Arslan: Religion as a driving force for science: The knowledge of timekeeping

ID: 605 Glaire Anderson: A Caliph's court and an Emperor's atelier: Craft, intellect, and a global history of science and technology

ID: 395 Guy Consolmagno, Paul Mueller: Jesuit observatories and Jesuit science

SIC Session 13 (ID 218), Friday, 30 July, 17:30 – 19:30, Chair: Stephen Johnston

ID: 409 Raphael Beuing: Science under the patronage of the Prince Bishops of Würzburg

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

ID: 571 Mathilde Daussy-Renaudin: What's in a label? - 'Science' and 'Religion' in a museum context

ID: 379 Silke Ackermann: Science and religion – knowledge and faith. A practical museum approach

SIC Session 14 (ID 219), Saturday, 31 July, 12:30 – 14:30, Chair: Marta Lourenço

ID: 423 Ileana Chinnici, Richard D'Souza: The Vatican Observatory's historical collections: A different perspective on the connection between science and religion

ID: 366 Lea Leppik: The great meridian circle of Reichenbach and Ertel in Tartu Observatory

ID: 247 Janet Laidla: Instruments of the short-lived Tallinn Naval Observatory

ID: 1105 Emma Angelini, Andrea Gori: Jacquard controversial invention between science and technology

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SIC Programs hosted on SIC virtual zoom platform

To register (no fee required), email: siconlineevents@gmail.com

Monday, 26 July

19:30 – 20:00 Cocktails and conversation

20:00 – 20:30 Virtual visit: Astronomical collections of the National Technical Museum, Prague
(Antonín Švejda, <http://www.ntm.cz/en>)

20:30 – 21:00 Virtual visit: Prague astronomical clock (Petr Skala)

Wednesday, 28 July

17:30 – 18:00 Virtual visit: National Medical Museum, Prague (Simon Krysl,
<https://muzeum.nlk.cz/en/>)

18:00 – 18:30 Virtual visit: Mikulov Castle Museum (Anna Soldánová and Filip Brichta,
https://www.rmm.cz/czech/expozice_en.html#rmm)

18:30 – 19:00 SIC book presentations (Giorgio Strano)

20:00 – 21:00 Young scholars gathering (Taha Arslan)

Thursday, 29 July

19:30 – 20:00 Cocktails and conversations

20:00 – 20:30 Virtual visit: Ondrejov Astronomical Observatory (Petr Hadrava,
<http://www.asu.cas.cz/en/about/history>)

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