

**XXXI Baltic Conference on the History and Philosophy of Science
13-15 June 2024 in Tartu, Estonia**

Programme

13th June, Thursday

09:15-09:45 Registration, University of Tartu (UT) Museum (*address Lossi 25*)

09:45-10:00 Welcome address

Plenary

10:00-11:30 Keynote 1

Gudrun Wolfschmidt "Cultural Heritage of Observatories and Instruments in the Baltic"

11:30-13:00 Keynote 2

James Ladyman "Scientific Empiricism: Epistemic Privilege for Data not Sense Data"

13:00-14:00 Lunch time (*please allow max 10 min to walk to another destination*)

14:00-15:30 Session 1

(Sessions at *Philosophicum, Jakobi 2*. NB! Walking distance 300m / 6 minutes, from the Museum)

Session 1A	Session 1B
Maija Kallinen "The Struve Geodetic Arc as Cultural Heritage Sites in the North of Finland"	Saskia Janina Neumann "Knowledge acquisition in human beings and AI – Do we really know more?"
Libertas Klimka, Linas Šmigelskas "On the Struve Geodetic Arc in Lithuania"	Filippo Iorillo "18th Century Scottish University Textbooks as Instruments to Understand Metaphysic"
Louis Le Douarin "The material and scientific web of the empire: geodetic markers as scientific and colonial political instruments"	Raz Chen-Morris "The Telescope and the Reformation of Knowledge in the early 17th century"
Liliya Kazantseva "The contribution of Kyiv scientists to the history of determining the coordinates of landmarks and the creation of a global geodetic network"	Mostafa Yavari "How Mechanical Instruments Replace Part of Calculations: Calculating the Planet's Ecliptical Latitude Using an Equatorium"

15:30-16:00 Coffee break

16:00-17:30 Session 2 (Philosophicum, *address Jakobi 2*)

<p>Session 2A</p> <p>Yuri Duplenko “History of Science: Instrumentality for Investigation”</p> <p>Faeze Fazeli “The Application of the 'New Demarcation Problem' to the Science of Sex and Gender”</p> <p>Jason Scott Cordova “Walking the Endless Trail and the Stars of Decision: Exploring Native American Cultural Astronomy and Star Lore of the American Southwest”</p> <p>Dobilas Kirvelis “Umwelt, Closed-Loop Coding-Decoding and Recursions as basics principles of the functional „organizing forces“ in the living systems”</p>	<p>Session 2B</p> <p>Panel “Formal Systems as Cognitive Tools in the History of Math and Science”</p> <p>Peeter Mürsepp “Leibniz and the Calculus Notation”</p> <p>Madeline Muntersbjorn “Cognitive Tools in the Algebra Project”</p> <p>Amirouche Moktefi & Kirsti Rumma “On scaffolding and mathematical representations”</p> <p>Susan Vineberg “Inductive Inference and Scientific Procedure”</p>
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19:00 Welcome reception in UT Observatory, (*address Uppsala 8*)

Greetings from Fraunhofer Gesellschaft, Fraunhofer Dorpat Refractor exhibition.

14th June, Friday

10:00-11:30 Session 3 (*Philosophicum, address Jakobi 2*)

<p>Session 3A</p> <p>Isadora Monteiro “Towards a State of the Art Production of the First Telescopes in Europe”</p> <p>Jane Desborough “Secrets Hiding Within Early Modern Scientific Instruments: A Study in Materiality”</p> <p>Lea Leppik “Why Did It Take So Long To Measure Stellar Parallax?”</p> <p>Veronika Girininkaitė “Scientific instruments in the old Astronomy Observatory of Vilnius University”</p>	<p>Session 3B</p> <p>Ilgonis Vilks “How the development of exact time measurement in the 20th century impacted the time service of the Astronomical Observatory of the University of Latvia and the citizens' ability to know the correct time”</p> <p>Halyna Doronina, Halyna Zvonkova “The main fields of research of the Southern Research Institute of Marine Fisheries and Oceanography (2nd half of the 20th century)”</p> <p>Aurika Ričkienė, Ilona Jukonienė “From the history of peatland research in Lithuania”</p> <p>Judita Puišo “History of the Physics demonstration room of Kaunas University of Technology”</p>
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11:30-12:00 Coffee break

12:00-13:30 Session 4 (*Philosophicum, Jakobi 2*)

<p>Session 4A</p> <p>Karoliina Jõgi “Mental Illness: Linguistic Analysis from Interwar Estonia”</p> <p>Emil Jakob Oras “The View of Medical Professionals on Transgender People in Interwar Estonia”</p> <p>Ignė Rasickaitė “The state of psychology in Soviet Lithuania, 1944-1969: an analysis of the political and ideological context”</p> <p>Anna Žabicka “Beyond surgery: the ideological underpinnings of the first FTM gender-affirming surgery in the USSR”</p>	<p>Session 4B</p> <p>José Antonio Pérez-Escobar “Mathematical models as scientific instruments? When falsifiable models become analytic standards for measurement”</p> <p>Kevin Coffey “Symmetry and Interpretation in Newtonian Gravitation: The Importance of Interaction(s)”</p> <p>Juho Lindholm “Scientific Instruments and Dewey’s Instrumentalism”</p>
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13:30-14:30 Lunch

14:30-15:15

a) workshop UT Observatory (*address Uppsala 8, walking distance from lunch 7 min*)

b) guided tour in UT museum (*address Lossi 25, walking distance from lunch 6 min*)

15:30-17:00 Session 5 (*Philosophicum, address Jakobi 2, walking distance back 6-7 min*)

<p>Session 5A</p> <p>Eglė Sakalauskaitė-Juodeikienė “Diagnosis and Treatment of Nervous System Diseases in Vilnius University Therapy, Surgery and Obstetrics Clinics at the beginning of the XIXth Century”</p> <p>Aistis Žalnora “The Memoirs as Primary Sources and Powerful Tool in Rediscovering History of Medicine”</p> <p>Ieva Lībiete “Hold Still, Latvians: The Ambitious Yet Unfulfilled Project of the Anthropometric Photocamera”</p> <p>Maija Pozemkovska “Melks’ Vacuum Excochleator”</p>	<p>Session 5B</p> <p>Olexander Afanasiev “From Technē to Method”</p> <p>Tomas Kavaliauskas “Has Science Again Become Theological?”</p> <p>Mousa Mohammadian “Theoretical Virtues and the Aim of Scientific Theorizing: A Unified Approach”</p> <p>Endla Lõhkivi “From “Things Knowledge” to Practical Realism”</p>
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19:00 Gala Dinner in UT Museum White Hall, (*address Lossi 25*)

15th June, Saturday (*the whole day: Philosophicum, address Jakobi 2*)

10:00-11:30 Session 6

<p>Session 6A</p> <p>Florian Schnee “Berlin-Brandenburg Academy of Sciences and Humanities (BBAW), Long-term Academy project "Travelling Humboldt – Science on the Move"</p> <p>Jadvyga Olehnovičienė, Birutė Railienė & Judita Puišo “From “Theory of organic to beings” to transplantedation”</p> <p>Harald Gropp “Thomas Clausen (1801-1885) --- from the poor farmer’s son to the astronomer of the tsar in Tartu”</p> <p>Erki Tammiksaar “German and Soviet science policies and science in Estonia in the 1920s–1960s”</p>	<p>Session 6B</p> <p>Oleh Koshovyi, Alla Kovaleva, Tetiana Ilina, Ain Raal “Scientific pharmacognostic school of the Pharmacognosy department, the National University of Pharmacy, Kharkiv, Ukraine”</p> <p>Yurii K. Vasyliev, Kostiantyn K. Vasyliev “The life and work of Professor-hygienist K.E. Dobrovolsky (1867-1946). On the history of the Tartu scientific school of G.V. Khlopin”</p> <p>Rūta Dubakienė “History of allergy and clinical immunology specialty in Lithuania”</p> <p>Vira Gamaliia, Svitlana Ruda “Academician N. Gamaleya: the lecturing activity”</p>
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11:30-12:00 Coffee break

12:00-13:30 Session 7

<p>Session 7A</p> <p>Roland Wittje “Scientific Instruments and the Neglect of Teaching in History of Science”</p> <p>Geir Ramstad Sletvold, Bjørn Vidar Johansen “Utilizing an Old Observatory as a Unique Teaching Arena: Leveraging Sensory Elements to turn Disadvantages into Advantages”</p> <p>Anne Vaalund, Anette Braathen, Ingrid Eikeland “Interacting with authentic objects to learn about the nature of science”</p> <p>Alīda Zigmunde “The provision of models and instruments for the teaching process of the Riga Polytechnikum in the second half of the 19th century”</p>	<p>Session 7B</p> <p>Alla Lytvynko “Gennzdy Dobrov’s Activities in the Science and Technology History Studies in Ukraine (to the 95th Anniversary of the Birth)</p> <p>Eugenija Rudnickaitė “The 220th anniversaries of the Department of Geology and Mineralogy and the Museum of Geology of Vilnius University: a brief overview of history”</p> <p>Viktoriiia Dobrovolska “Odesa branch of te Imperial Technical Society in the Last Quarter of the 19th Century”</p> <p>Mait Talts “Natural Science Circle of Nõmme Gymnasium in 1940s and early 1950s”</p>
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13:30-14:30 Lunch

14:30-16:00 BAHPS General Assembly Meeting

For academic matters please contact Ms. Anu Rae anu.rae@ut.ee

Conference web: <https://bahps.org/>