

ICOHTEC NEWSLETTER

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www.icohtec.org



Editor: Saara Matala, Chalmers University of Technology, Sweden.

If you have something to announce, please mail to newsletter@icohtec.org.

Letter from the President of ICOHTEC

Dear Friends and ICOHTEC Members,

The pandemic forced us, to meet online for ICOHTEC's Symposium 2021, which was part of ICHST. Although it is a pity that we were not able to meet personally, online-meetings offer new opportunities for scholarly discussion. Thus, ICOHTEC decided to try two new formats of events in-between our annual symposia: we organize online-lectures and workshops on different subjects of the history of technology. The first ICOHTEC Lecture has been delivered in December. The first workshop will take place on **17 January 2022**. You are welcome to join and to discuss *Crossing Boundaries in History of Technology*. Among the panelists is our Past President James Williams.

Maria Elvira Callapez has resigned from her post as Secretary General a few days ago. Thank you for your hard work, Elvira! Our Past President Slawomir Łotysz (webmaster), Viktor Pál (treasurer), and I agreed to take care on the secretary's tasks until the Executive Committee will elect a new Secretary General in January. Following our statutes, the new secretary will be elected out of the members of the EC.

The obligatory reminder at the end of the year: please check, if you have paid your annual fees. Thank you so much.

Let's look forward to our next symposium: the general theme is *Technology-based and Technology-generated Decisions*. In order to avoid a week of online-sessions, we decided to schedule the symposium in three parts: 17-18 June, 24-25 September, and 15-16 October 2022. Each part will have a highlight; the Kranzberg-Lecture, delivered by Maria Paula Diogo, will be scheduled in the first slot of the symposium. A Summer School will be held 14 to 16 May 2022.

It will be a great pleasure to meet you at least online in summer. Please find the call for papers in the Newsletter (again). The deadline is **30 January 2022**.

Merry Christmas (if celebrated) and all the best for 2022!

Stefan Poser

ICOHTEC's President

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1 Icohtec News

1.1 Moving the printing location of Icon

The last issue of ICON has been printed and posted by a company located in the UK. Due to the Brexit, some of the subscribers in the European mainland have been required to pay customs for imports from outside the EU. The current Editor in Chief, Hermione Giffard, and her predecessor Peeter Mürsepp are working towards moving the location of printing to EU in order to avoid extra charges. We apologize for inconvenience.

1.2 Crossing Boundaries in History of Technology, 17th January, 2022

ICOHTEC organizes an online seminar of young researchers promoting discussion, interrogation and diversity of current frameworks in the history of technology. The seminar will take place on Monday 17th January, 2022 at 1:00 - 2:30 PM (CET), 5:30 - 7:00 PM (IST), 7:00 - 8:30 AM (EST).

Speakers:

- Sambit Mallick, Indian Institute of Technology-Guwahati, Guwahati, India
- James Williams, Emeritus Professor, Florida, USA
- Madhu Narayanan, Research Scholar, Indian Institute of Technology-Madras, Chennai, India
- Thamarai Selvan Kannan, Research Scholar, Indian Institute of Technology-Madras, Chennai, India
- Marion Wackerie, Research Scholar, Paris 1 Pantheon, Sorbonne University

Register by filling in the [Google form](https://forms.gle/ZUYw4MZ4FgbfmJdg6) at <https://forms.gle/ZUYw4MZ4FgbfmJdg6>

Organisers:

Maria Elvira Callapez, Faculdade de Ciencias, Universidade de Lisboa, Portugal;

University of California, Berkeley, USA

Maria da Luz Sampaio, HTC/CEF FSCH, Universidade Nova De Lisboa, Portugal

Hugo Silveira Pereira, CIUHCT-Nova School of Science and Technology, Portugal

1.3 Reminder: The Icohtec 49th Symposium 2022 online. “Technology-based and Technology-generated decisions”

The 2022 International Committee for the History of Technology’s 49th Symposium will take place virtually. It will occur in 3 phases, each lasting two days. The 1st meeting will be in June (17, 18), the 2nd in September (24, 25), and the 3rd in October (15, 16). The Kranzberg Lecture will take place in June.

The general theme is “Technology-based and Technology-generated decisions”. Whereas technology-based decisions have a long history, technology-generated decisions of so-called artificial intelligence, AI, are on the horizon since the turn of the 21st century and might gain decisive influence within the next years. Which decisions we are willing to handle over to technology? How to define ethical guidelines for this development? The symposium aims to contribute to this discussion, based on a transnational perspective of the history of technology.

The deadline for proposal is **Sunday, 30 January 2022**.

For a long time, societies have considered technology a value-neutral instrument for various purposes, including decision-making by organizations. Between the end of the 19th and the beginning of the 20th century, technology progressively increased its pivotal role in societies: governments, companies, or individual people considered technology essential for living and surviving. But due to increasing over-saturation with technology, negative outcomes became visible and thus, subject of public discussion.

Technology is involved in decision-making in two ways: decisions based on technology and technology-generated decisions. Human societies are used to base their decisions thanks to technologies permitting them, for instance, data collection. Cartography was helpful in decisions such as financing exploratory expeditions traveling, trade, or military operations since the early modern era. In the contemporary World, high-resolution satellite images are the base for the decision-making process in military operations or identifying places

where it could be possible to extract mineral and oil resources. Moreover, new technologies often inspire new ways to perform old tasks (e.g., imaging technologies in medical diagnosis) and inspire taking on new tasks (think military rockets being applied to spaceflight). Second, the design and manufacture of technology require decisions that affect how it works, how it is used, how it is manufactured, etc. Certain decisions regarding material properties, usage scenarios (e.g., usability), and areas of application require different types of production. Conversely, the type of production chosen (technology, process, etc.) influences the possible uses of the technology and its artifacts.

Suggestions for more specific questions, derived from the main question:

- What are the social/historical/cultural conditions of technology related decision-making?
- Decisions on science and technology: inclusion and citizen participation
- What are the ethical conditions of technology-generated decisions?
- Which transnational perspectives can be taken regarding technology-inherent decisions?
- How do these technology-inherent decisions affect the critique of technology (e.g., impact factor in science, “publish or perish”)?
- Technocracy is a well-researched topic. What is the state of the art in this field? Any new approaches, theories, empirical findings?
- Data recording and processing is a core task now carried out with computers. Which technologies were used – and where and how – before the advent of computing?
- Modern challenges and technology based/generated decisions (e.g., climate change, COVID-19 pandemic, individual health, and public health); artistic strategies involving technology/generated decisions; body, dis/ability, and technology based/generated decisions
- The role of images (maps, photographs, etc.) in decision making.

The symposium covers all periods and all areas of the globe. In keeping with a cherished tradition of the field, the meeting is open to scholars from all disciplines and backgrounds. Gender-related and worldwide topics are specifically welcome. Besides contributions to the main theme of the symposium, paper and session proposals on different topics of the history of technology are welcome.

Proposal Guidelines

ICOHTEC welcomes proposals for individual papers and posters, but preference will be given to organised sessions of three or more papers. The Programme Committee will also consider submissions not directly related to the symposium theme providing that they relate to the history of technology broadly defined. All proposals must be in English and should be submitted electronically by 30 January 2022 via our website <http://www.icohtec.org/w-annual-meeting/> (will be available, soon). For suggestions about preparing your submission and the conference presentation, please consult the guidelines on www.icohtec.org/proposal-guidelines.html. In addition to the scientific programme, the symposium will include plenary sessions, special sessions for the prize winning book and article, the general assembly of ICOHTEC. If you have any questions related to the scientific programme, paper, poster or session proposals, please, do not hesitate to contact Jacopo Pessina, the chair of the programme committee, at j.pessina87@gmail.com.

We especially encourage graduate students to submit proposals and to participate in the symposium.

Members of ICOHTEC and low-income people pay a reduced fee.

INDIVIDUAL PAPER proposals must include: (1) a 300-word (maximum) abstract; and (2) a one-page (maximum) CV. Abstracts should include the author's name and email address, a short descriptive title, three to five keywords, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. If you are submitting a paper proposal dealing with a particular subtheme in this CFP, please indicate this in your proposal. In preparing your paper, remember that presentations are not full-length articles. You will have no more than 20 minutes to speak, which is roughly equivalent to 8 double-spaced typed pages. For more suggestions about preparing your conference presentation, please consult the guidelines at the conference website. Contributors are encouraged to submit full-length versions of their papers after the conference for consideration by ICOHTEC's peer-reviewed journal ICON.

PANEL proposals must include (1) an abstract of the panel (300 words maximum), listing the proposed papers and a session chairperson; (2) abstracts for each paper (300 words maximum); (3) a one-page CV (maximum) for each contributor and chairperson. Panels should consist of three or four speakers. Several panels may be organized on one topic.

We encourage the creation of panels that examine technology-based and technology-generated decisions in different parts of the world, enabling international comparisons, and contributing to an emerging transnational historiography. We welcome especially contributions from beyond Europe and the United States, which so far have been less fully covered by historians of technology.

The programme committee reserves the right to relocate papers to different themes and add papers to panels.

POSTER proposals must include (1) a 300-word (maximum) abstract; and (2) a one-page CV. Abstracts should include the author's name and email address, a short descriptive title, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions.

Programme Committee:

- Pessina Jacopo IT (Chair), j.pessina87@gmail.com
- Florian Bettel AT, florian.bettel@uni-ak.ac.at
- Ercolani Sara IT - supers.ercolani@gmail.com
- Fari Simone IT/ES _ fari@ugr.es
- Hadlaw Jan CA, jhadlaw@yorku.ca
- Limina Valentina IT - valentinalimina@gmail.com
- Min Fanxiang CHI – fanxiangmin@nju.edu.cn
- Mürsepp Peeter EST, peeter.muursepp@taltech.ee
- Schuetz Thomas GE , thomas.schuetz@hi.uni-stuttgart.de
- Yagou Artemis (only for the evaluation of papers) GE/GR , artemis@yagou.gr
- Zdrowska Magdalena PL , magda.zdrowska@uj.edu.pl

1.4 Icohtec Membership

If not done until now, please pay your annual fees to our account at: Commerzbank Bochum, "ICOHTEC" at Commerzbank Bochum (Husemannplatz 3-4, D-44787 Bochum,

Germany): IBAN: DE44 4304 0036 0390 2590 00; BIC: COBADEFFXXX. Thank you for your support!

Please send in the form on the last page of the Newsletter about your payment and renewed membership to the Treasurer Viktor Pál, viktor.paal(at)gmail.com, in order to update our list of members.

1.5 Turriano Icohtec Prize 2021

Winner for the Turriano Icohtec Prize for the best book-length work in history of technology written by early-stage scholar **Kang, Hyeok Hweon**, Washington University.

Honourful mentioned **Martin Meiske**, Deutches Museum, and **Stefan Esselborn**, Munich Technical University.

2 Call for Participants

2.1 Baltic Connection – Conference for Social Science History, Jyväskylä, Finland, June 2022. Special track on History of Technology and Industry

The Baltic Connections 2022 will take place at the University of Jyväskylä, Finland, from June 16 to 17. It is hosted by the Department of History and Ethnology at the University of Jyväskylä together with Economic and Social History discipline at the University of Helsinki. As with the earlier conferences in Helsinki and Jyväskylä, the conference aims to bring together scholars working on comparative, economic, social, global, and other types of history and related social sciences to address various “East-West” historical processes and events as well as comparative and transnational analysis, including at the Baltic region, Europe, and the world. Potential topics include but are not limited to trade, migration, comparative development, international political economy and the diffusion and transplantation of institutions, ideas and cultural influences. Moreover, the organizers want to promote interdisciplinary encounters and discussions, with the goal of bringing together scholars working in Western, Nordic, Central and East European, Baltic, and

Russian universities. The conference is open to proposals that incorporate new digital technologies and ideas for roundtables. For the complete CFP, visit the conference [webpage](#).

The conference hosts a session **track on History of Technology and Industry** sponsored by the **Finnish Society for the History of Technology**. The session track accepts paper and session proposals about all aspects of history of technology and industry but focuses especially on the theme of transnational and regional histories in the Nordic and Baltic areas. To participate, please choose the technology track in the [online submission system](#). If you have further questions about the track, email balticsocsciencehist+tech@gmail.com.

Moreover, the Finnish Quarterly for the History of Technology, *Tekniikan Waiheita*, offers conference participants the possibility to submit their papers for fast track consideration in the Journal.

The organizing institutions are University of Helsinki, University of Jyväskylä, the Finnish Society for the History of Technology, and the Finnish Economic History Association. For more information, please email balticsocsciencehist@gmail.com or Jari Ojala (jari.ojala@jyu.fi) and Merja Uotila (merja.j.uotila@jyu.fi) directly.

2.2 German Society for the History of Technology, GTG: Call for Annual Meeting and Forum for Early Career Scholars, May 2022

The German Society for History of Technology (Gesellschaft für Technikgeschichte, GTG) will have the Annual Meeting and a Forum for Early Career Scholars in Nordhausen, 20 – 22 May 2022. The theme of the meeting is technology under National Socialism, and it will take place on the Mittelbau-Dora concentration camp memorial.

Deadline for paper proposals of the Annual Meeting is **15.1.2022**, and for the Early Career Meeting **31.1.2022**.

For more information and complete Call for Papers (in German) for the [Annual Meeting](#), and [Early Career meeting](#), visit the GTG's webpage: <https://www.gtg.tu-berlin.de/ws/index.php/tagungen/call-for-papers>

2.3 HaPoP 2022. Fifth Symposium on the History and Philosophy of Programming (hybrid)/ 13 June 2022, Lille, France

In a society where computers have become ubiquitous, it is necessary to develop a deeper understanding of the nature of computer programs, not just from the technical viewpoint, but from a broader historical and philosophical perspective. A historical awareness of the evolution of programming not only helps to clarify the complex structure of computing, but it also provides an insight in what programming was, is and could be in the future. Philosophy, on the other hand, helps to tackle fundamental questions about the nature of programs, programming languages and programming as a discipline.

HaPoP 2022 is the fifth edition of the Symposium on the **History and Philosophy of Programming**, organised by HaPoC, [Commission on the History and Philosophy of Computing](#) (www.hapoc.org) as a hybrid event. As in the previous editions, we are convinced that an interdisciplinary approach is necessary for understanding programming with its multifaceted nature.

As such, we welcome participation by researchers and practitioners coming from a diversity of backgrounds, including historians, philosophers, artists, computer scientists and professional software developers.

In order to initiate new collaborations that critically reflect on the nature of programs and engage a broader community with the above issues, HaPoP 2022 is particularly looking for talk proposals that relate to the question “What is a computer program?” and offer a novel reflection from a variety of perspectives, including historical, practice-based, philosophical, logical, etc.

HaPoP5 co-chairs are Liesbeth De Mol and Tomas Petricek. If you have any questions regarding suitability of a topic or format of the extended abstract, please contact Liesbeth

at liesbeth.de-mol@univ-lille.fr or Tomas at tomas@tomasp.net. For quick questions, you can also use @tomaspetricek on Twitter.

For the complete CFP and more information, visit the [conference site](https://www.shift-society.org/hapop5/): <https://www.shift-society.org/hapop5/>

Important dates

Submission deadline: 18 March 2022

Author notification: 15 April 2022

HaPoP symposium: 13 June 2022

2.4 Icohtec Summer School, May 14-16, 2022

The 49th International Committee for the History of Technology Symposium (ICOHTEC - 2022) will offer its **fourth Summer School on Technology-based and Technology-generated decisions**. This Summer School is a three-day intensive seminar course geared to PhD students and young post-doctoral scholars and will be held online, from May 14-16 2022.

Deadline for application: **6 March, 2022**.

The Fourth ICOHTEC Summer School will combine the 49th ICOHTEC Symposium with a three-day intensive seminar course geared to PhD students and young post-doctoral scholars. The Summer School brings together conventional seminars and the participation in the ICOHTEC Symposium. The topic of the ICOHTEC Summer School is "**Technology-based and Technology-generated decisions**" and it aims, in conjunction with the main thematic objectives of the ICOHTEC Symposium, to approach its theme open-mindedly and multidisciplinarily. The School enhances students' skills to comprehend and study versatile relationships between science, society and technology.

The Summer School aims to deal with responding to the following questions:

- What are the social/historical/cultural conditions of technology related decision-making?

- Decisions on science and technology: inclusion and citizen participation
- What are the ethical conditions of technology-generated decisions?
- Which transnational perspectives can be taken regarding technology-inherent decisions?
- How do these technology-inherent decisions affect the critique of technology (e.g., impact factor in science, “publish or perish”)?
- Technocracy is a well-researched topic. What is state of the art in this field? Any new approaches, theories, empirical findings?
- Data recording and processing is a core task now carried out with computers. Which technologies were used – and where and how – before the advent of computing?
- Modern challenges and technology based/generated decisions (e.g., climate change, COVID-19 pandemic, individual health, and public health); artistic strategies involving technology/generated decisions; body, dis/ability and technology based/generated decisions
- The role of images (maps, photographs, etc.) in decision making.

Lecturers

1. Aristotle Tympas (National and Kapodistrian University of Athens)
2. Karena Kalmbach (Futurium Berlin)
3. Sofia Alexia Papazafeiropoulou (National and Kapodistrian University of Athens)

Description

The ICOHTEC Summer School consists of two parts:

Part 1. Interactive discussion seminars

Objectives of the School include discussions of: daily lectures, students’ research papers distributed in advance, and appropriate methodological and theoretical approaches to the

research themes under examination. Expert tutors will moderate these discussions in small groups.

Applicants are strongly encouraged to propose a presentation format that deviates from the standard 20 minutes frontal talk. This can include active engagement of the other summer school participants.

A joint feedback colloquium will end the School.

Part 2. Active attendance in the ICOHTEC Symposium

Students of the Summer School are expected to participate in the ICOHTEC Symposium and its scientific sessions.

All students who complete the programme will receive an attendance certificate.

For whom is the program?

- Ph.D. students with a subject-appropriate academic background.
- Post-doctoral researchers with a subject-appropriate academic background

Participants are expected to:

- be able to speak, read and write in English.
- undertake preparatory reading in advance of the programme.
- attend all lectures and seminar sessions.
- be actively engaged with the topics of the sessions.
- attend the ICOHTEC 2022 Symposium and present a paper there as a single or co-author.
- submit a final assignment of 2,000-2,500 words on one of the topics discussed in the Summer School within six weeks after the summer school.

Application for this course:

- Deadline for application: **6th March, 2022.**

- Applicants must send the following data by email file attachments to both

- Maria Elvira Callapez (mariaelviraacallapez@gmail.com) and
- Maria Gago (mariadomargago@gmail.com).

1) A brief one-page cv, which must include the main personal data, academic training and career, selected publications and e-mail for further contact.

2) A short statement of purpose (350-400 words) detailing your academic reasons for wishing to attend the summer school. This should include your expectations what you hope to get out of the summer school and its education, and what you are likely to contribute to the intellectual life of the summer school. This may include details of history, political or social science courses you have previously taken, or the relevance of the summer school to your present course of study or professional development. If you are preparing a thesis or research paper at the moment, please write a brief description of it. Include also the title of your possible paper submission to the ICOHTEC Symposium, which follows the Summer School (Further information: <http://www.icohtec.org/w-annual-meeting/>)

3) A letter of recommendation by your teacher or supervisor, referring to your application to the ICOHTEC Summer School.

The subject line of the email should be "Summer School Application" and in the titles of your file attachments mark your surname first and then the title of the file (e.g. Smith_CV). Please note that incomplete applications will not be considered.

After you have submitted your application, you will receive a response by 31 March 2022.

Members of the Summer School Committee

- Maria Elvira Callapez (chair), Portugal, University of California, Berkeley
- Maria Gago (chair), - New University of Lisbon, European University Institute, Italy
- Anna Åberg – Chalmers University of Technology

- Jacob Ward – Maastricht University
- Julia Lajus - National Research University Higher School of Economics, St. Petersburg

2.5 Tensions of Europe Pre-conference Summer School for Early Career Scholars 27-28 June, Aarhus, Denmark.

Tensions of Europe conference will be organized in Aarhus, Denmark, June 29 – July 1. The DL for submissions to the conference was in November, but the summer school for young scholars will accept applications until March 2022.

Tensions of Europe Early Career Group will organize a summer school before the conference. This time, the summer school will focus on how young scholars can not only survive but also thrive in academia.

The Tensions of Europe network has established itself as an important forum and meeting point for historians of technology in Europe. In addition, the physical meetings, summer schools, and virtual conferences have been essential in facilitating international cooperation between early career scholars from different countries who are building their professional identity and academic networks.

The two-day Summer School for Early Career scholars will take place before the Tensions of Europe conference. The aim is to connect doctoral students and post-doctoral scholars to network, and to complement the main conference with content that is relevant for scholars in the early phase of their career.

Please indicate your interest in participation in the summer school by sending an email to annaaleksandrovna.petrova@yandex.ru.

The application includes:

- short abstract (300 words) describing your research interests
- short bio (50-100 words)

- 1-2 sentences about what kind of workshop/lecture would help you the most. Who would you like to have as a keynote speaker?

2.6 Spring School "The History, Philosophy, and Sociology of Large Physics Experiments", Wuppertal, Germany, 13-20 March 2022.

The Research Unit "The Epistemology of the LHC" invites applications for the Spring School "The History, Philosophy, and Sociology of Large Physics Experiments" taking place 13-20 March 2022 in Wuppertal (Germany). **Deadline is approaching: 19 December, 2021.**

Large experiments such as the Large Hadron Collider (LHC), the Laser Interferometer Gravitational-Wave Observatory (LIGO), and the Event Horizon Telescope (EHT) play an essential role at the frontiers of contemporary fundamental physics. These experiments employ big research facilities, they probe nature at vast energy and length scales, they produce immense amounts of data, and they involve great numbers of researchers. This Spring School will explore large physics experiments from historical, philosophical, and sociological perspectives. The participants will discuss questions such as those arising from the history and philosophy of fundamental physics, the methodological challenges of big data, and the history and sociology of large research collaborations.

Confirmed speakers:

- Arianna Borrelli, TU Berlin (Philosophy/History)
- Laura Covi, Universität Göttingen (Physics)
- Katharina C. Cramer, Universität Bonn (Political Science/History)
- Richard Dawid, Stockholm University (Philosophy)
- Gregor Kasieczka, Universität Hamburg (Physics)
- Dennis Lehmkuhl, Universität Bonn (Philosophy/History)
- Martina Merz, AAU Klagenfurt (Science Studies)
- David Wallace, University of Pittsburgh (Philosophy)
- Christian Zeitnitz, BU Wuppertal (Physics)

The organizers invite up to 30 graduate students and early career researchers from history, philosophy, sociology, and physics to participate. The application process will be

competitive and participants will be selected according to qualification and research interests. The cost of participation will be € 450 and will include full board and lodging.

To apply, please send the following material in a single pdf file by

December 19.2021 to springschool@uni-wuppertal.de:

- a letter of motivation, and
- a cv.

A selection of participants will be given the opportunity to give short presentations of their own work as part of the school. The presentations will be followed by a commentary from a member of the Research Unit or one of the invited speakers. In case you intend to give a presentation, please include in your application:

- the title of your talk, and
- a short abstract (between 300 and 500 words).

For further information and practical details, please [refer to https://www.lhc-epistemologie.uni-wuppertal.de/events/spring-school-2022.html](https://www.lhc-epistemologie.uni-wuppertal.de/events/spring-school-2022.html) or contact the organizers Radin Dardashti and Enno Fischer (springschool@uni-wuppertal.de).

3 Call for Papers and Contribution

3.1 TST - Transportes Servicios y Telecomunicaciones

TST is an academic journal founded in 2001 whose main purpose is the publication of historical research on the tertiary sector. The journal publishes papers on the origin and evolution of services such as transport -railway, naval, air and road-, trade, banking, insurance, water supply, gas and electricity, communications, education and health, among others. **TST** is published in Spanish, but welcomes articles written in the language of any country of the European Union (Latin alphabet). However, the journal prefers the

texts in Spanish, Portuguese, English, French and Italian; as well as other languages in Spain.

TST is now accepting proposals for its issues of 2022 and 2023 (in English, French, Portuguese or Spanish).

Proposals may include:

- thematic issues
- original research papers (up to 12,000 words)
- reviews of books published since 2018 (2,000 words)
- reviews/debates of classical works (3,000 words)
- news/reviews of museums, exhibitions, or projects (1,500 words)

Additional information about the guidelines may be found here:
<https://www.tstrevista.com/introduction.asp>

4 Prizes

4.1 The Turriano ICOHTEC Prize for Early Career Books on the history of technology

The **Turriano ICOHTEC Prize** is an Early Career Prize for Books on the history of technology, sponsored by the **Juanelo Turriano Foundation** and consists of 2,500 Euro. The prize-winning book will be presented and discussed at a special session of the next ICOHTEC symposium, that will take place as part of the 27th International Congress for the History of Science and Technology.

ICOHTEC, the International Committee for the History of Technology, is interested in the history of technology, focusing on technological development as well as its relationship to science, society, economy, culture and the environment. The history of technology covers all periods of human history and all populated areas. There is no limitation as to theoretical or methodological approaches.

Eligible for the prize are original book-length works in any of the official ICOHTEC languages (English, French, German, Russian or Spanish) in the history of technology:

published or unpublished Ph.D. dissertations or other monographs written by scholars in the early stages of their career. Articles and edited anthologies are not eligible. If the work is a Ph.D. thesis, it should have been accepted by your university in 2020 or 2021; if it is a published work, the year of publication should be 2020 or 2021.

For the ICOHTEC Prize 2022, please send an electronic copy (PDF or Word) of the work you wish to be considered for the prize to each of the four Prize Committee members. (Note: Hard copies are only accepted for published works not available electronically.) Your submission must be emailed no later than **28 February 2022**. Please also include an abstract of no more than a half-page in length. If your book is in Spanish or Russian, please also supply a summary in English, French or German of about 4,500 words. In that case, the prize committee will find additional members, who are familiar with the language in which your book is written.

The submission should be accompanied by a CV (indicating also the date of birth) and, if applicable, a list of publications. Applicants are free to add references or reviews of the work submitted.

Any materials sent to the prize committee will not be returned.

Send a complete application by email to each of the following Prize Committee members.

PRIZE COMMITTEE

Dr. Darina Martykánová (Chairperson)

Universidad Autónoma de Madrid
Departamento de Historia Contemporánea
Facultad de Filosofía y Letras
Campus de Cantoblanco
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Spain
darina.martykanova@uam.es

Dr. Irina Gouzévitch

Centre Maurice Halbwachs
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75014 Paris
France

irina.gouzevitch@ens.fr

Dr. Klaus Staubermann

ICOM Germany

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4.2 John Scholes Transport History Prize competition for 2022

The John Scholes Prize, is awarded annually to the writer of a publishable paper based on original research into any aspect of the history of transport and mobility. The prize consists of £150 of vouchers to spend with SAGE, €250 in cash and a year's membership of the International Association for the History of Transport, Traffic and Mobility (T2M).

The prize is intended to recognize budding transport historians. It may be awarded to the writer of one outstanding article, or be divided between two or more entrants. Typically, the prize is awarded for research completed as part of a PhD.

Publication in the **Journal of Transport History** will be at the discretion of the Editor and subject to the normal refereeing process.

The prize is named in memory of John Scholes, the first Curator of Historical Relics at the British Transport Commission. The prize is supported by SAGE, publishers of the Journal of Transport History, and T2M.

Entry is limited to researchers who, at the time of submission, are not yet in or have just commenced a permanent / tenured academic (or equivalent) position, and who are just starting to publish research.

Essays (in English, double-spaced) should not exceed 8,000 words (including footnotes). Sources must be documented fully. Entries must be submitted electronically, to arrive no later than **31 July 2022**.

They must not bear any reference to the author or institutional affiliation. Senior scholars will judge entries against criteria of originality, thoroughness and excellence of argument, source use, composition and illustration. The process is 'double-blind'. The judges will not enter into correspondence.

A cover letter and a one-page CV must demonstrate eligibility for the prize. Entries for the prize should be sent to the JTH Editor at jth.editor@gmail.com. The subject line of the message must read 'John Scholes Prize entry 2022'. In the body of the message please indicate how you found out about the prize.

The [full call for submissions](https://journals.sagepub.com/page/jth/john-scholes-prize) is here: <https://journals.sagepub.com/page/jth/john-scholes-prize>.

5 Open Access and Other Recent Publications

5.1 Recently published: Physical Models. Their historical and current use in civil and building engineering design.

Bill Addis (ed). *Physical Models. Their historical and current use in civil and building engineering design*. Bautechnikgeschichte/ Construction History, 2. Ernst und Sohn, Berlin 2020. ISBN: 978-3-433-03257-2 (1114 pages, hardcover or pdf)

For over 250 years, civil engineers and architects have been working with scale models. Alongside numerical engineering methods, model tests are still used today. For the

development of civil engineering, they are just as important as scientific theories. The authors of this sampler analyze the use of physical models in building construction as well as creating computer models nowadays. This valuable contribution to construction history was published in the series Bautechnikgeschichte/ Construction History, edited by Karl-Eugen Kurrer and Werner Lorenz.

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5 Dennis Smith: The use of models in early nineteenth-century British suspension bridge design

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5.2 Recently published: Technical Knowledge in Early Modern Japan

Erich Pauer & Ruselle Meade (eds): *Technical Knowledge in Early Modern Japan*. Folkestone 2020. ISBN 978-1-912961-00-9

The selected case studies brought together in this book sheds light on the technical development and dissemination of knowledge during Japan's Edo period (1600–1867). The editors hope that this present work will stimulate historians of technology and scholars of other disciplines to take an interest in Japan and to include it more and more as a matter of course in their reflections on technological development.

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Introduction: Remarks on the History of Technology in Japan

- 1 Annick HORIUCHI (Université Paris Diderot): Production Techniques in Early Modern Japan as seen through 'Famous Products of Japan from Mountain and Sea, Illustrated' (*Nippon sankai meisan zue*, 1799)

2 Erich PAUER (CEEJA): Vehicles of Knowledge: Japanese Technical Drawings in the Pre-modern Era, 1600–1867

3 ITŌ Mamiko (Gakushuin University): Dissemination of Knowledge and Technology: The Extensive Range of Exhibitions in Japan in the Eighteenth and Nineteenth Centuries

4 Regine MATHIAS (CEEJA): Knowledge on Mining and Smelting and Its Dissemination in the Edo Period

5 HASHIMOTO Takehiko (Tōkyō University): Tanaka Hisashige and His Myriad Year Clock: Its Technological Characteristics and Historical Background

6 NISHIYAMA Takahiro (University of Bonn): A Statistical Analysis of *Tōkyō Meikō Kagami* (with a Focus on Highly Skilled Metalworkers)

7 SUZUKI Jun (Tōkyō University): Boiler Manufacture in Late-nineteenth Century Japan: From Beginnings to Nationwide Expansion

Appendix: Selected Sources on the Japanese History of Technology (especially on series)

Published by: [Renaissance Books](#).

5.3 Recently published Open Access article on Transnational History of Icebreakers

Sahari, Aaro, and Saara Matala. “Of a Titan, Winds and Power: Transnational Development of the Icebreaker, 1890-1954.” *International Journal of Maritime History* 33, no. 4 (November 2021): 722–47. <https://doi.org/10.1177/08438714211062493>.

The recently published article in the *International Journal of Maritime History* on the history of icebreakers addresses the central topics in **history of technology**, such as the role of engineers in transnational technology transfer, technological nationalism, and the social construction of technology.

Icebreakers have traditionally been seen as symbols of technological nationalism. While ship science for open-water vessels developed during the late nineteenth and early twentieth centuries, understanding of how to cope with polar and subarctic ice conditions lagged behind. This led state organizations in charge of icebreaking services to minimize

risks in the development of new vessels by encouraging transnational expert cooperation. This article argues that such interactions were critical to the evolution of the modern icebreaker. It examines the development of three icebreakers in different countries in successive decades, and the critical technologies with which they are associated: the Ymer from Sweden and diesel–electric propulsion (1933); the American ‘Wind’ class and power-hull proportion (1942–1946); and the Voima from Finland and twin bow propellers (1956). We reconstruct the flow of information to explain the rationale for transnational cooperation in maritime technology development. The concept of ‘technology carriers’ is deployed in the analysis to enhance understanding of the role of international cooperation in polar and winter seafaring.

The article is openly available thanks to the contribution of University of Helsinki Library. The full text is available [here](#).

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