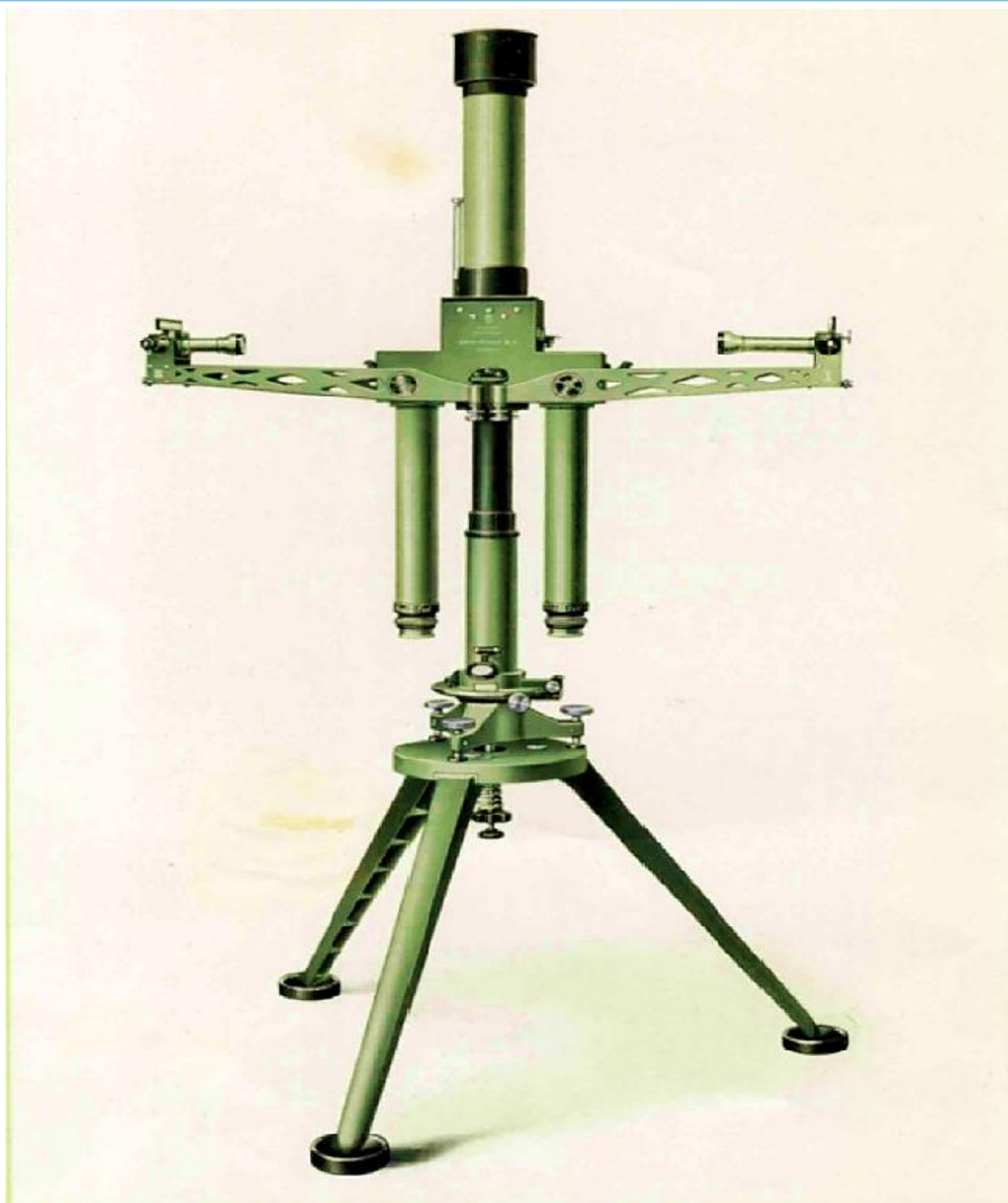


ICOHTEC NEWSLETTER

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The Loránd Eötvös de Vásárosnamény's Torsion Balance, 1902, Budapest, Hungary.

From: Ferdinand Süss. 1930. *The Small Original Eötvös Torsion Balance*. Budapest: Precision, Mechanical, and Optical Works Limited.

Newsletter of the International Committee for the History of Technology - ICOHTEC

Editor: Francesco Gerali, The University of Oklahoma, College of Law - Oil, Gas, Mineral Resources and Energy Centre. Norman, OK, United States. Mail to fgerali@ou.edu

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I. 45th ICOHTEC Annual Meeting in Saint-Étienne, 2018

Call for Papers and Sessions

ICOHTEC Symposium -- Saint-Étienne, France -- 17 to 21 July 2018

Deadline for proposals: February 5th, 2018

The International Committee for the History of Technology will hold its 45th symposium and 50th anniversary celebration at the Jean Monnet University in the city of Saint-Étienne, France. The general theme of the symposium is **“Technological Drive from Past to Future? 50 years of ICOHTEC.”** Our intention is to inquire into long-term trends in interactions between technology and society, as well as how technologies have influenced utopian and dystopian views of the future. We aim to examine how the role of technology has changed across history and what characters and trends of technological change historians can help to anticipate in the future. The value of memories of the past for the present and future has been frequently discussed; the German theologian Albert Schweitzer claimed that *“happiness is nothing more than good health and a bad memory”*, whereas Spanish philosopher George Santayana argued that *“those who do not know history's mistakes are doomed to repeat them.”* The symposium intends to explore whether there is any possibility of solving the tension between history and future. Since ICOHTEC will be celebrating

its 50th anniversary at this symposium, a special plenary session will reflect on our organization's stand-out contributions to the field over the last fifty years, as well as looking ahead to explore new topics and approaches. More details on this event will be announced on our website. As usual, the ICOHTEC Programme Committee welcomes papers on a wide range of topics, especially the changing relations between technology and society in the past and future. Session organisers and contributors of individual papers and posters might also consider aligning their proposals with the following non-exhaustive list of sub-themes:

Sub-themes

- 1) Expressions of “technological momentum” in history
- 2) The role of technology in the development of societies and in globalization
- 3) Political authority and the power of technology: shaping technology under the pressures of society
- 4) Regionalism and universalism of technology: can technology be constructed as neutral, independent of its contexts?
- 5) Innovations and risks: relationships and interactions between technology and the environment
- 6) Technology, culture, and landscape: borders and interfaces of natural and artificial
- 7) Playing with technology and playful approaches to technology
- 8) Media, communication and technology: mutual dependencies?
- 9) The significance of technological heritage and material culture for the future
- 10) The beauty of machines: art, design and culture in industry and technology
- 11) Representations of technology and industry in utopias and dystopias, including speculative fiction and popular culture
- 12) Heritage in the centennial commemorations of World War I: industry, technology, and the Great War
- 13) Digitization and computerization: technological trends and social effects

The symposium will cover all historical periods and areas of the globe. We invite submissions of new, original and unpublished work that offer fresh perspectives on the history of technology as well as exploring novel sources and methodologies.

The Programme Committee prefers submissions of coherent session proposals of three to four papers, although individual papers are welcomed. We also encourage poster presentations, which will be exhibited for the duration of the symposium. Each poster will be assigned a short time slot in a special session, during which the presenter will briefly outline its topic and have the opportunity to engage in discussion with delegates. Posters might be a particularly appropriate medium for doctoral students and museum curators as well as all those who want to draw attention to a more focused topics or work-in-progress. Besides these types of proposals, the Committee also encourages proposals in more unconventional formats, for example roundtables on recent important books or research issues, or panel discussions on films or other media related to the history of technology.

Proposal Guidelines

- **INDIVIDUAL PAPER** proposals must include (1) a 200 – 300-word abstract, and (2) a one-page biographical sketch. Abstracts should include the author's name and email address, a short

descriptive title of the paper, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. Presentations should be compact analytical summaries of the author's research. Oral presentations will be of 15-20 minutes duration, depending on the exactly composition of the panel, which is roughly equivalent to 5-7 double-spaced typed pages. Contributors are encouraged to submit full-length versions of their papers after the symposium for consideration by ICOHTEC's peer-reviewed journal *ICON* by 1 December 2018.

- **SESSION** proposals must include (1) a 300 – 400 word abstract of the session with a list of proposed papers and a suggested chairperson; (2) 200 – 300 word abstracts for each paper, and (3) a one-page biographical sketch for each contributor and chairperson. Sessions should consist of three or four speakers, or three speakers and one commentator. It is possible to propose several related sessions, which can take place over more than one day. The Programme Committee reserves the right to relocate papers to different sessions and to add papers to sessions. We also encourage roundtable proposals and other non-traditional session formats.

- **POSTER** proposals must include (1) a 200 – 300-word abstract, and (2) a one-page biographical sketch. 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.

The official languages to present in ICOHTEC Meetings are English, French, German, Russian or Spanish **but papers, sessions and poster proposals must be submitted in English.**

Note: Membership of ICOHTEC is not required to participate in the symposium but members will pay a reduced registration fee. We especially encourage graduate students and early career scholars to participate in the symposium and submit their proposals. A limited number of **travel grants** will be available for Ph.D. candidates and young researchers, who are giving papers at the Symposium.

Submission of proposals

All proposals (paper, sessions, and posters) must be submitted electronically through our website <http://www.icohtec.org/annual-meeting-2018.html>. The online submission system will remain open until **5 February 2018**, which marks the deadline for all categories of contribution. On this website, you will also find all necessary instructions and guidelines on how to prepare and submit a proposal as well as all kind of information related to the event, such as travel grants announcements, calls for panellists to planned sessions, programme of the symposium, suggestions on accommodation and travel arrangements etc. Should you have any queries on the submission procedure or programme, please contact Timo Myllyntaus, the Chair of the Programme Committee, via email (timmyl@utu.fi) or by post:

I.I Call for the ICOHTEC Summer School of 2018 in Saint-Étienne

Theme	<i>Does Technology drive History? Theoretical Concepts and Historical Examples</i>
Target participants	PhD students and recent post-doctoral researchers Early career researcher and professionals with a subject-relevant academic background
Dates	Mon 16 July to Tue 17 July, 2017 (Part 1) Wed 18 to Sat 21 July, 2017 (Part 2)
Venue	MRASH (<i>Hall of the Rhône-Alpes House of Humanities</i>), Jean Monnet University, Saint-Étienne, France
Most relevant disciplines	-History of Technology -History of Science -Economic and Social History -Environmental History
Fees	Fee of the Summer school only: 50 Euro (After 31 May: 60 €) Fee of Summer school & Symposium: 125 Euro (After 31 May: 155 €) <i>These ICOHTEC's registration fees include participation services, lunches and pass for local public transportation. Students will be lodged at the Jean Monnet University's Halls of Residence at their own cost (34 euro/night). A limited number of ICOHTEC travel grants will be available for Summer School participants and they cover part of travel costs from regions outside France.</i>
Admission	Applications will be accepted by email until 5th March, 2018. The results of selection will be announced to the applicants by 31st March 2018.

Lecturers

Francesca Bray

Professor of Social Anthropology

University of Edinburgh, UK

Past President, Society for the History of Technology (SHOT)

Michel Cotte

Emeritus professor of the History of Technology

Centre François Viète

University of Nantes, France

President of the French Society of the History of Science and Technology

David Edgerton

Hans Rausing Professor of the History of Science and Technology
Professor of Modern British History
Department of History
King's College London, UK

Objectives

The Second ICOHTEC Summer School will combine the 45th ICOHTEC Symposium with a two-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 **"Does Technology drive History? Theoretical Concepts and Historical Examples."** It aims at taking stock of the current state of theoretical approaches in the history of technology such as technological determinism, Large Technological Systems (LTS), Social Construction of Technology (SCOT), Actor Network Theory (ANT) and cultural history or concepts of a transnational and global history of technology. The Summer School aims to approach its theme open-mindedly and multidisciplinary.

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

- How are technology and social change interconnected?
- What are the strengths and weaknesses of the above mentioned theoretical concepts as heuristic and analytical tools for investigating diverse issues in the history of technology?
- Is it feasible and beneficial to combine some of those concepts in the same research project?
- What could new and original approaches to the history of technology look like?

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. 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 according to their personal tailor-made schedules. All students who complete the programme will receive an attendance certificate.

For whom is the programme?

- 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 2018 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: **5 March, 2018.**
- Applicants must send the following data by email file attachments to Hans-Joachim Braun hjbraun@hsu-hh.de:
 - 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: icohtec.org/annual-meeting-2018.html).
 - 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. You will receive a response by **31 March 2018.**

Members of the Summer School Committee:

Hans-Joachim Braun (chair), Germany
 Maria Elvira Callapez, Portugal
 Michel Cotte, France
 Timo Myllyntaus, Finland
 Klaus Staubermann, UK

I.2 Travel Grants

The 45th annual symposium will be held in Jean Monnet University, southeastern France, on 17-21 July 2018, with the general theme Technological Drive from Past to Future? 50 years of ICOHTEC. We offer a limited number of grants to help defray some of the expenses of attending the symposium. The Grants will be made available largely thanks to a generous support from Juanelo Turriano Foundation and the Division of History of Science and Technology (DHST).

Who is eligible?

In 2018, the ICOHTEC Travel Grants will be awarded in two categories:

- **Up to 350 Euro each** – eligible for applying are graduates, post-graduates and young scholars whose papers have been accepted in our 2018 Symposium. Special preference will be given to participants from low-income countries, who are not able to receive sufficient financial support elsewhere. These travel grants are not intended to cover the full costs of attending the Symposium, and may be used to bus/train/ferry/flight tickets, lodging and/or registration fee.

- **Up to 200 Euro each** – eligible for applying are the students and early career researchers participating in the ICOHTEC Summer School in St-Étienne. Students and researchers whose papers have also been accepted to the scientific programme of our 2018 Symposium, following immediately the Summer School, are eligible for the Travel Grant of up to 350 Euro each.

How do I apply?

The Travel Grant Application Form (see on the back or consult **www.icohtec.org**) must be filled in, and sent by 16 April 2018 as an e-mail attachment to Sławomir Łotysz, the Chair of the Travel Grant Committee at **s.lotysz@gmail.com**. In addition to the information provided in the application form, please attach a short CV or bio, as well as an appropriate document proving your status (a scan of your student's ID or supervisor's/professor's letter if applicable). The reimbursement will be made after the accepted paper is presented in person by the Grantee at the Symposium. Please, note that all money transfers can be made only after the symposium. In addition, make sure you saved your original tickets and invoices to hand them over to the Treasurer at the meeting.

What is the time schedule?

The completed application (next page), along with applicable attachments, should be submitted by e-mail by Monday **16 April**. The grants will be announced by **mid-May 2018**.

Best Regards

Sławomir Łotysz

President & Chair of the Travel Grant Committee

45th ICOHTEC SYMPOSIUM, SAINT-ÉTIENNE, FRANCE.

APPLICATION FORM

First and last name:		
Postal address:		
E-mail address:		
Your status (mark right options):	graduate student/post-doc/independent young scholar/other (explain)	
	member of ICOHTEC: yes/no	male/female
Institutional affiliation:		

The estimated expenses (in euro):

Travel	
Registration fee	
Accommodation costs	
Total	
Requested (max 200 or 350 € - check your eligibility in the announcement)	

Payment information:

Personal address (which you gave in your bank)	
Bank name :	
Bank address (typically it is not your branch, but a headquarter – please ask in your bank):	
SWIFT code :	
Account number in international format (typically called IBAN) :	

NOTE: If you are unable to accept international bank transfer, cash payment can be arranged for you at the symposium. Please ask the Chair of the Travel Grant for details.

Professional activities at symposium (other than presenting paper or poster):

- Student accepted to the Summer School (if yes, type the title of your presentations):

- Chairing a session (if yes, please give the title):

I.3 Kranzberg Lecture

Robert Bud will deliver the Kranzberg Lecture in Saint-Étienne ICOHTEC Symposium, 17 July 2018:

Conceptual history, branding and technology as part of the public sphere

This paper reflects on the consequences for our discipline of taking seriously a large audience of citizens experienced in interpreting and worrying about rich technological brands, as an audience for our research and writing. Such a historiography requires us to focus on the fluid cultural categories of the public sphere as legacies of the past, to bear in mind the lessons of conceptual history and to follow its emphasis on the cumulation of meanings. To illustrate the implications, the presentation reflects on the meaning of the concept of “technology” itself in England. Such meanings of course need not be merely practical. They can serve too as measures of time. And indeed technology, more than any other outcome of human culture, has been used to calibrate the metronome of progress. Drawing on the presentation of technology in museums early in the twentieth century the paper reflects on how research on the history of technology can better inform talk about technology.

Bio of 2018 Kranzberg Lecturer



Robert Bud is Research Keeper at the Science Museum in London. As well as major permanent exhibits, he has been responsible for developing websites interpreting large collections, “Ingenious”, “Making the Modern World” and “Brought to Life” and acted as an advisor for the site, “Inventing Europe” of the Tensions of Europe network of which he was a founding member. He is a past winner of the Bunge Prize awarded by the German Chemical and Physical Societies, and the holder of the Sarton Medal and Sarton Professorship at the University of Ghent. Holder of a doctorate in the History and Sociology of Science from the University of Pennsylvania, he has published extensively on the histories of applied science, chemistry, and biotechnology, including his books *The Uses of Life: A History of Biotechnology* (1993) and *Penicillin: Triumph and Tragedy* (2007). His current research is on the history of the concept of “applied science” in the public sphere, over two centuries and he is also part of the international HoNESt project, which seeks to understand the changing engagement of societies with nuclear energy, and how the nuclear energy sector has engaged with societies.

1.4 Session Proposals: 6 Calls for papers

1) Before Snowden. Technology as a tool of surveillance and intelligence gathering in the 20th century.

Organizer: Mirosław Sikora, miroslaw.sikora@ipn.gov.pl or miroslaw.sikora@yandex.com

Deadline for proposals' submission: **26 January 2018**

In 2013 young but already experienced and promising CIA employee and NSA contractor disclosed to the global public (via media) his classified knowledge about US government's surveillance on

citizens over the past years. The implementation of those clandestine measures had been indeed legally justified as a part of the counter-terrorism policy of security and intelligence authorities. Perhaps the most intriguing aspect of the Snowden- Affair was massive involvement of high-tech equipment and solutions that made it possible for the US government to get insight into the most sensitive (private) areas of its citizen's activity.

However, eavesdropping, signal intelligence and cables intercepting, imaginary intelligence and internet espionage was and is applied by the security services worldwide not only against ordinary people, but also against state institution. The surveillance on highest German authorities and other allied governments around the world, that was revealed recently, is just another proof of total dimension of intelligence collection by US spy-agencies nowadays. Though the capabilities of Russian and Chinese counterparts gave way to America or UK, these countries (as well as other small ones) are running extensive intelligence operations taking advantage of modern technology. Chinese hackers or Russian "trolls" are examples of confrontation in the IT-battlefield. Moreover chemistry and biology emerge as tools of security apparatus. The poisoning of FSB-defector Alexander Litvinenko in 2006 with radioactive polonium-210 is the best example.

However, the technology was a tool of intelligence, espionage and surveillance since the beginning of modern states dating back to the 18th century. First professional security services in France and Great Britain, USA and Russian Empire established in the turn of 19th and 20th centuries involved technical branches responsible for mapping, data storage and processing, miniaturized spy-cameras and weapons. The methods and tactics of using that equipment were developed simultaneously. Furthermore, along with the famous Kevin Mitnick case, the mutual spying among the multinationals competing for global markets became obvious.

The session aims at putting together at least some fragments of studies on the "high-tech in context of security". It focuses on the 20th century, for it was the time when modern security apparatus was formed (already before the First World War) and expanded enormously (throughout the Cold War).

The following aspects are going to be discussed in particular:

1. The origins of mechanized and automated data processing and data bases for the internal use of state security apparatus in the first half of the 20th century.
2. Counterintelligence and the development of audiovisual surveillance during the Cold War in the West and in the East.
3. Photography and documents counterfeiting and production of fake identities as crucial area of interests for the intelligence agencies.
4. Computer and its role in data transfer, processing, as well as encoding, decoding, code breaking (GCHQ, NSA, FAPSI and the rest).
5. Safeguard providing with help of biometrics.
6. Biotechnology in the service of intelligence (collecting of biological profiles etc.).
7. FBI and KGB. Security culture in the West and in the East during the Cold War.
8. Technology and political police's surveillance on societies in Warsaw Pact countries.
9. "Venona", U-2 and others – operations that took advantage of high-tech.
10. Developing countries as fields of high-tech struggle of intelligence services.
11. Technology in use of opposition movements in communist bloc in 70s-80s.
12. Avoiding detection. Technology applied by terrorist organizations in Western Europe in 70s-90s.
13. Public awareness of being constantly observed.

14. Overwhelming technological possibilities as trigger for paranoia disorders among members of society.
15. High-tech surveillance leaks and scandals in media coverage throughout the century.

2) The conquest of hydraulic power and its place in the history of mankind

Organizer: Alexandre HERLEA, alexandre.herlea@wanadoo.fr

Proposals for papers, an abstract of 200 – 300 words and a one-page CV should be submitted by **February 5** 2018 electronically through <http://www.icohtec.org/annual-meeting-2018.html>.

In a congress of the ICOHTEC in Saint-Etienne - birthplace of the inventor and industrialist Benoît Fourneyron, designer and director of the first hydraulic turbine, seat of the Ecole des Mines where mathematician Claude Burdin, the creator of the word "turbine" taught - it is inconceivable that a session should not be dedicated to hydraulic energy.

It was at the dawn of the first millennium that the first engine, designed by man, capable of making usable on the spot a non-usable energy, the hydraulic wheel, was born. Since hydraulic power has played, and continue to do so, a leading role among the energies used by man. Hydraulic motors have been constantly improved and several categories were created, so that they best correspond to the characteristics of the energy sources they use. The creation of the hydraulic turbine, in 1827, was undoubtedly the most significant development.

Of course, on the history of hydraulic energy a lot has been written and the main steps have been clearly defined, but it remains always details to bring, details to make known, conclusions to be reviewed. These as well at the levels of the engines themselves as concerning the use and construction of the sources, such as dams and accumulation lakes. The use of these engines in industry, their role in economy, the close technical-economic interdependence that these highlight, are other aspects to be analyzed, dealt with. As are the science and technology relationships in the field of hydraulic energy. These were among the first to be carefully studied and these studies have played a pioneering role in the analysis of science – technology relationships. But the field is still wide open. The study of the history of hydraulic energy and its industry therefore implies a systemic approach which concerns the evolution of hydraulic energy within the technical system, especially in its relations with other energies used by men (thermal, nuclear, other renewable energies) as well as its relations of interdependence with other systems: economic, socio-political, scientific knowledge, ideologies and mentalities, etc. But a prospective look is also welcome, the extrapolation of past developments being a major approach in the technological forecasting, which we need so much today, when the mankind is facing an environmental crisis.

2) (In French) La conquête de l'énergie hydraulique et sa place dans l'histoire de l'humanité

Organizer: Alexandre HERLEA, alexandre.herlea@wanadoo.fr

Dans un congrès de l'ICOHTEC à Saint-Etienne - lieu de naissance de l'inventeur et industriel Benoît Fourneyron, concepteur et réalisateur de la première turbine hydraulique, siège de l'Ecole des Mines où a enseigné le mathématicien Claude Burdin, créateur du mot « turbine » - il est inconcevable qu'une session ne soit pas consacrée à l'énergie hydraulique.

C'est à l'aube du premier millénaire que le premier moteur, conçu par l'homme, capable de rendre utilisable sur place une énergie non utilisable telle quelle, la roue hydraulique, a vu le jour. Depuis l'énergie hydraulique a joué, et continue de le faire, un rôle de premier plan parmi les énergies utilisées par l'homme. Les moteurs hydrauliques ont été sans cesse améliorés et plusieurs catégories ont été créées, afin qu'ils correspondent au mieux aux caractéristiques des sources d'énergie qu'ils utilisent. La création de la turbine hydraulique, en 1827, fut sans doute le perfectionnement le plus significatif.

Certes, sur l'histoire de l'énergie hydraulique on a beaucoup écrit et les grandes étapes ont été clairement définies, mais il reste toujours des précisions à apporter, des détails à faire connaître, des conclusions à revoir. Ceux-ci aussi bien aux niveaux des moteurs eux-mêmes que de l'utilisation et de la construction des sources, tels les barrages et lacs d'accumulation. L'utilisation de ces moteurs dans l'industrie, leur rôle dans l'économie, l'étroite interdépendance technique – économie que ceux-ci mettent en évidence, sont d'autres aspects à être analysés, traités. Comme sont les relations science – technique dans le domaine de l'énergie hydraulique ; celles-ci ont été parmi les premières à être attentivement étudiées et ces études ont joué un rôle pionnier dans l'analyse des relations sciences – technique. Le champs reste pourtant encore largement ouvert. L'étude de l'histoire de l'énergie hydraulique et de son industrie implique donc une approche systémique qui concerne aussi bien l'évolution de l'énergie hydraulique à l'intérieur du système technique, notamment dans ses relations avec les autres énergies utilisées par l'homme (thermique, nucléaire, autres énergies renouvelables) que dans ses relations d'interdépendance avec les autres systèmes : économique, socio-politique, des connaissances scientifiques, des idéologies et mentalités, etc.

Mais un regard prospectif est aussi le bienvenu, l'extrapolation des évolutions passées étant une principale approche dans la prévision technologique, dont nous avons tellement besoin aujourd'hui, en pleine crise de l'environnement.

3) Turns in the Energy Supply: Past, Present and Future. Call for Papers to an Energy Session. Sub-theme: Political authority and the power of technology: shaping technology under the pressures of society.

Several times in history, there have happened major shifts in the energy supply. Generally, they have been related to constraints and scarcities of energy resources or problems in their utilisation as well as needs of the economy. When completed, these shifts have had widespread impacts on entire society. At the moment, the humanity is preparing to avert the global warming by reforming the energy supply, which means profound changes in producing and consuming energy. Consequences of these changes tend to cause anxiety. There is need to know how societies earlier managed to cope with comparable changes. The present change has been called “energy transition”, which sounds a nice and easy swap. The session aims to elaborate by various case studies what wide-scale turns in the energy supply may mean in the different spheres of society.

Please, submit your paper proposal with a 200 – 300 word abstract and one-page bio for the session Turns in the Energy Supply: Past, Present and Future to be held in the ICOHTEC symposium in Saint-

Étienne by sending it with these appendices to Timo Myllyntaus, moni.mylly@gmail.com, no later than **Mon. 29 January 2018**.

4) Railways in Making Modern Societies. Call for Papers to the Railway History Session

Railways have not served only transporters of passengers and freight. They have at the same time been a result of the changing society and the factor moulding the bases of society. Accordingly, they have had a great impact on shaping society and creating new cultures. It has been claimed that in the 19th century, railways helped unifying divided states, such as Germany and Italy, establishing the position of civil engineers as a profession, expanding the distribution of newspapers and promoting the rest of the printing industry.

This session will examine the railways as a large technological system and critical infrastructure, which was constructed in the interaction with building the modern state apparatus. Consequently, the aim is to study railways and society in the mutual interface. This kind of analysis can be carried out by means of case studies elaborating phenomena in variable circumstances. A clear research question and an explicit comparison of two or more case studies may deepen the research results.

For a session proposal, we need 3-4 paper abstracts and a discussant per one 90-minute time slot. Our session proposal can include 1 – 4 time slots. Paper proposals can deal with theme related to railways and/or traveling by trains in the past, present or future. They can be authored and presented by one or several scholars. In ICOHTEC symposia, each author can present personally only one paper but can co-author several papers, and also act as a discussant and chair in several sessions. Please, send your 200 – 300-word abstract and one-page bio/cv to Timo Myllyntaus (moni.mylly@gmail.com) by **Monday 22 January 2018**.

5) West - East Transfer of Technology During the Cold War. Call for Papers to Technology Transfer Session. Organizer: ICOHTEC Program Committee. Contact: Timo Myllyntaus, moni.mylly@gmail.com

The history of transferring knowledge and technology between East and West, socialist and capitalist, big and small states has attracted many researchers. Current historiography proposes new sources and approaches studying various forms of transfer on different levels, emphasizing not only conventional trade flows from West to East, but vice versa as well as other more or less unofficial forms of technology mobility. They include communication between scientists, attending exhibitions and conferences as well as copying patented innovations and industrial espionage among other channels of transfer, which demonstrate the permeability of geo-graphical, state, cultural, political, social, and institutional borders. This permeability was also attested during the Cold War, results of which demonstrate the significance of East and West transfers and as Karen Freeze puts it in her article on Czechoslovak theatre technologies and their move west-ward: “we may conclude that the Iron Curtain was more permeable than previously thought”. Consequently, technology transfer opens a wide and challenging field of research. Apart explaining movements and exchange of technologies, transfers explicate social, political and cultural transformations they

entail and serve for. They also help explain communication of different actors on governmental, institutional, company and individual levels.

Proposals for papers, an abstract of 200 – 300 words and a one-page CV should be submitted by **February 5 2018** electronically through <http://www.icohtec.org/annual-meeting-2018.html>.

6) Plastics, Emotions and Consumer Society

Synthetic polymeric materials and their precursors comprising moulding materials (plastics), rubbers, fibres, lacquers and adhesives, generate quite different feelings and opinions from their first onset. On the one hand, since their emergence, especially in World War I, they were often recognised as cheap mass products, partially replacing valuable or rare materials ('Ersatzstoffe'). On the other hand, they took over already from the beginning their fundamental role as promoters of most important technical developments such as e. g. the electrical industry. Without the new fantastic materials, the modern civilising and social progress of mankind would not have been possible. Between these fixed-points, no other group of substances has been provoked such strong emotions of refusal and approval, hate and love as synthetic polymeric materials.

Today, synthetic plastics (moulding materials), rubbers, fibres, lacquers and adhesives are ubiquitous. Their effect on consumer societies is linked with the technical progress but also with increasing environmental impacts. Plastics in all its variations play a tremendous role in our daily consumer life, in high-tech developments but also in environmental situations, all causing strong emotions.

How people are socially connected with synthetic polymeric materials? And why do they respond in such different perceptions?

In this panel, we intend to explore different point of views of the relationship between society and those synthetic materials.

We welcome proposals for papers which may concern with, but are not limited to:

1. illustrating the historic development of social 'attraction' and 'repulsion' of synthetic polymeric materials and precursors,
2. analysing the role of plastics in consumer societies,
3. discussing consumer's product choices in a historical perspective,
4. investigating the circumstances of creating emotional effects on these materials,
5. investigating how emotions configurate narratives and discussions on synthetic polymeric materials.

Please send your abstract of up to 300 words and one page CV until 1 February 2018 to:

- Maria Elvira Callapez, CIUHCT- Faculdade Ciências Universidade Lisboa, (mariaelviraallapez@gmail.com),
- Guenter Lattermann, German Society for Plastics History, (guenter.lattermann@uni-bayreuth.de), and
- Stefan Poser, Helmut Schmidt Universitaet, Hamburg, (poser@hsu-hh.de).

II. Conference Report: *Transitions in Energy History: State of the Art and New Perspectives*, Milan, Italy, on the 29th November – 1st December 2017.

New Approaches to the Trends of Fuels and Power. A Report on a Conference on Transitions in Energy History

The research of history has always acknowledged the importance of energy in the development of societies. Nevertheless, the history of energy has remained a “Kurdistan of history studies”, that is a small research field in the border zones of various history disciplines. Things can change in the coming decades when the humanity will experience major transformations, while it starts a serious struggle for the decarbonisation of the energy supply and the deceleration of global warming. During the approaching period, historians and social scientists will be asked repeatedly what can be learned from past energy transitions.

One can regard a small conference on the topic as a harbinger of an imminent change. The meeting was titled as *Transitions in Energy History: State of the Art and New Perspectives*. It was held at a marvelous venue *Museo Nazionale della Scienza e della Tecnologia “Leonardo da Vinci”* and the premises of the Italian electricity company “Edison” in Milan, Italy, on the 29th November – 1st December 2017.

More than twenty papers on past energy transitions in various countries were delivered in the conference. In the presentations, some questions were frequently brought up, such as how energy transitions should be defined and interpreted, whether “energy transition” is a good and appropriate concept and if not, by which term it ought to be replaced. Presenters paid attention to the great variety to explicit and implicit definitions of this term. Some were ready to give up this concept because it seems to understand this transition as a turn from one stable position A to another one B. Critics claimed that energy transitions are not revolutionary upheavals but evolutionary long-term processes.

The concept “energy transition” dates back from the policy change adopted by the German coalition government of the social democrats and greens in the late 1990s. By means of the “Energiewendung / Energiewende”, the government aimed to phase out nuclear energy production and replace it with renewable energy sources. In 2011, the year of the Fukushima nuclear accident, Angela Merkel’s conservative government started to embrace this energy transition policy with a greater determination: for example the German government’s subsidies to the production of renewables were raised. Recently, other countries – with some exceptions – are hesitatingly following suit although they keep on wondering how an energy transition will be carried out successfully without forgetting the economic rationality.

The Milan conference did not discuss much the ongoing energy transition whereas it focused on (re)defining the concept and examining energy transitions in the past. The three first papers attempted to analyse and frame the concept. Joseph Szarka sketched an analytical scheme for understanding energy transitions in history, while Jean-Pierre Williot periodised the transitions of the French gas supply in three major phases: black gas, bleu gas and green gas. Thomas Turnbull, in turn, examined a hypothesis to regard energy conservation as an energy transition. The following presenters elaborated their interpretations on past energy transitions such as from sail to steam in shipping and the role of prices in the energy transition in the Swedish iron and steel industry in the 19th and early 20th century. Charles-Francois Mathis presented a provocative paper on coal as a nemesis for Britain and the country’s inability to carry out a crucial energy transition in

1865 – 1914. The other case studies examined Albania, Denmark, East-Central Europe, Finland, France, Greece, Italy, Mexico, and the USA.

On the last conference day, a round table session for energy experts of the present was organised in the house of Edison and there, most presenters focused on challenges of the contemporary energy transition. Their approach to the topic was primarily pragmatic and focusing on next few years. The speakers considered the transition from fossil fuels to renewables inevitable and primarily concentrated to elaborate obstacles of this change, such as the expediency of EU strategies and national energy policies, and the efficiency of the energy supply as well as the capacity and economy of the renewable energy sources, and the adequacy of the storage capacity for the peaks of electricity consumption. One of the fascinating features in this conference was the variety of different approaches to the theme “energy transitions”.

The conference also included a half-day excursion to two, more than 100-year old hydropower plants of the Edison electricity supply company, “Bertini” and “Carlo Esterle”, which are still working daily. The later one was running by original Francis hydroturbines. That humming plant smelled of an old-style machinery oil, which provided the most tangible memory of the conference and brought a pinch of nostalgia to the futuristic energy transition scheme.

Timo Myllyntaus

Turku School of Economics

Finland



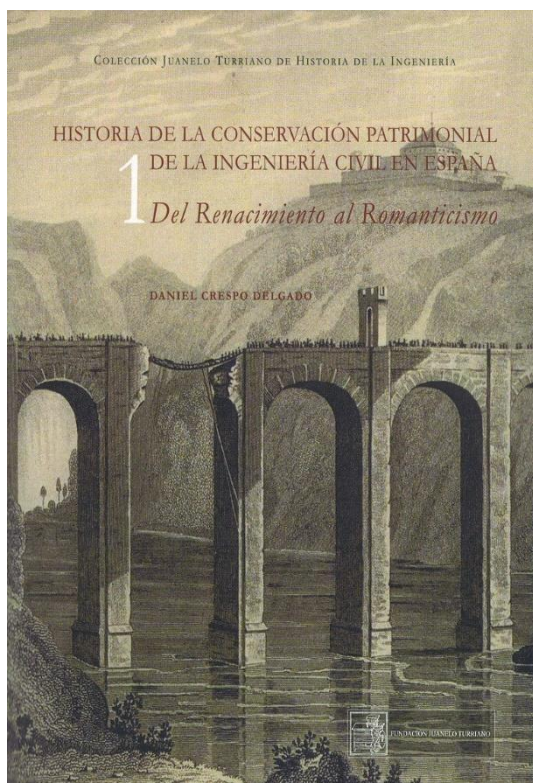
The excursion to the hydropower plant *Centrale Idroelettrica Bertini* of the Edison Company, Porto d'Adda, northeast from Milan.



The Bertini plant of 11.000 GWh per year was commenced in 1898.
The original Francis hydro turbine is on the right and generator on the left.

III. Books on the History of Science and Technology. Juanelo Turriano Collection on the History of Engineering

The latest addition to the *Juanelo Turriano Collection on the History of Engineering*, now available, is Daniel Crespo Delgado's book entitled *Preservar los puentes. Historia de la conservación patrimonial de la ingeniería civil en España (siglo XVI-1936)* [Conserving bridges: history of the conservation of Spain's civil engineering heritage, sixteenth century to 1936].



Building on exhaustive archivist and bibliographic research, this book addresses the history, largely ignored to date, of the conservation of Spain's civil engineering heritage. In its vast range from the Renaissance to the early twentieth century, it describes known as well as many unknown interventions on emblematic works. This valuable contribution to the history of heritage conservation and restoration in Spain constitutes further acknowledgement of the country's extraordinary civil engineering legacy.

Art historian Dr Daniel Crespo Delgado is a Fundación Juanelo Turriano research fellow. He has authored a number of monographs and articles, in particular on Enlightenment culture and the Modernist definition of progress and development.

Crespo Delgado, Daniel. 2017. *Preservar los puentes: historia de la conservación patrimonial de la ingeniería civil en España (siglo XVI-1936)*. Madrid : Fundación Juanelo Turriano.

VI. Open Sources. *Transversal*: International Journal for the Historiography of Science

***Transversal*: International Journal for the Historiography of Science** is a semiannual online journal published by the Graduate Program in History (Science and Culture in History) of Federal University of Minas Gerais (Universidade Federal de Minas Gerais).

The journal promotes scholarly research in the historiography of science and chronicles its history and criticism. Although historiography of science is a sub-discipline of History, we construe this subject broadly to include analysis of the historiography of science produced by history of science, philosophy of science, science education and related disciplines. By focusing its analysis on the different historical, social and epistemological implications of science, historiography of science is a transversal knowledge with respect to the production of science, hence the name of this journal. In order to accomplish its purpose, ***Transversal*** discusses historical, theoretical, conceptual and methodological aspects of the different themes, works and authors present in this tradition, as well as the new approaches in the recent historiography of science.

Current issue: <http://www.historiographyofscience.org/index.php/transversal/issue/view/8>

V. Initiatives. The European Year of Cultural Heritage

On 7 December in Milan, the European Commission launched the European Year of Cultural Heritage 2018 (EYCH2018), see (in all European languages): http://europa.eu/rapid/press-release_IP-17-5067_en.htm.

EFAITH, the European Federation Associations of Industrial and Technical Heritage, is preparing a specific campaign to highlight industrial heritage during this Year - and the major role played by volunteers and voluntary associations to save, interpret and promote it.

We aim at establishing links and cooperation between industrial heritage associations from different countries through twinning, to exchange ideas and experiences, and to support each other's activities and campaigns. See: <http://industrialheritage.eu/twinning>

But the main project is a series of theme months. These focus on and engage citizens supporting industrial heritage from each country. During each of these months specific topics will be highlighted throughout Europe, please see:

<http://industrialheritage.eu/EYCH2018-theme-months> (English version). Information about the theme months is now available in English and French, but more languages and additional information will be added soon.

The theme of the months.

- March : energy and power, from mills to nuclear (with a steam weekend on March 17-18th)
- April : mining, quarrying, and the production of metals (with a meeting of mining heritage associations on April 13-15th, www.miningheritage.org)
- May : factory chimneys

- June : the industrial city, from workers housing to urban services such as water distribution and sewers
- July and August : travel and transport, by land, water and air
- October : adaptive reuse of and new life for industrial buildings.

You can also add your project to one of these months: open doors, guided visits, a conference or a workshop, an exhibition, a happening or a show... Be creative, and put the focus on YOUR industrial heritage. Each association decides how to promote industrial heritage, depending on its own possibilities and what seems to be the best way to reach results.

We would like to remind you that for activities organized in the framework of these theme months, you can apply for the official label of the European Year of Cultural Heritage through the FAITH (European Federation of Industrial Heritage Associations and Technical [word missing?]). As a stakeholder of the year we have the right to award this label for the areas of our competence, i.e. industrial and technical heritage.

Labelling can be done:

- 1) for cross-border projects subsidized by the European Commission
- 2) for projects limited to one country or region, which are recognized by the national coordinator - in your case your ministry
- 3) for cross-border projects recognized by one of the stakeholders in the field of their competence - for industrial heritage it is EFAITH. These cross-border projects must include at least two (and preferably three) partners in two (or three) countries.

However, each thematic month is considered as a cross-border project, and in this way we can award a label to participants who organize an activity in one of these months according to the theme of that month.

See: <http://www.industrialheritage.eu/EYCH2018/logo>

But don't hesitate to contact us if you have any question or if you need additional information. More information on the Year of Cultural Heritage 2018 will also be posted and regularly updated on our website www.industrialheritage.eu under the tab> European

The EFAITH/EYCH2018 team

E-FAITH

the European Federation of Associations of Industrial and Technical Heritage

[secretariat @ e-faith.org](mailto:secretariat@e-faith.org)

visit our website <http://www.industrialheritage.eu>

p/a Vredelaan 72 - B-8500 Kortrijk - Flanders - Belgium

VI. ICOHTEC Prizes. TURRIANO

TURRIANO ICOHTEC PRIZE

The Turriano ICOHTEC Prize for books on the history of technology (formerly ICOHTEC Prize for Young Scholars) is 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, in Saint-Étienne, France, from 16-22 July 2018 (<http://www.icohtec.org/annual-meeting-2018.html>). An additional 500 Euro is available to the winner in support of travelling to the conference to receive the prize. 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 who, when applying for the prize, are not older than 37 years. Articles and edited anthologies are not eligible. For the ICOHTEC Prize 2018, 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 submissions must be emailed no later than Friday, 2 February 2018.** Please also include an abstract of no more than half a 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.

If the work is a Ph.D. thesis, it should have been accepted by your university in 2016 or 2017; if it is a published work, the year of publication should be 2016 or 2017. 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.

Consider that any materials sent to the prize committee will not be returned. You are invited to send a complete application by email to each of the following Prize Committee members:

Prof. Hans-Joachim Braun, Prize Committee Chairperson
Helmut Schmidt Universitaet
Fakultaet GeiSo H1-2219
D- 22039 Hamburg
E-mail: hjbraun@hsu-hh.de

Prof. Ernst Homburg
Maastricht University
Department of History
Faculty of Arts and Social Sciences
P.O. Box 619
6200 MD Maastricht
E-mail: e.homburg@maastrichtuniversity.nl

Dr. Irina Gouzevitch
Centre Maurice Halbwachs
École Normale Supérieure
48, boulevard Jourdan
75014 PARIS
E-mail: irina.gouzevitch@ens.fr

Dr. Klaus Staubermann
Principal Curator of Technology
National Museums of Scotland
Chambers Street
Edinburgh
EH1 1JF, UK
E-mail: K.Staubermann@nms.ac.uk

VII. Jobs, Postdoctoral Positions, and Research Fellowships

ICOHTEC is pleased to offer this brief digest including some academic job vacancies in schools of humanities, education, arts, and languages. We constantly survey the web and assess new sources to collect the announcements. We kindly invite members to share with ICOHTEC information on jobs, fellowships, travel grants, internship, and programs aimed to the professional development of young scholars.

Australia

- [Research Fellow in Architecture History, Theory & Criticism](#)
Monash University, Department of Architecture
- [Lecturer in Heritage Studies](#)
Australian National University, College of Arts and Social Sciences (CASS)
- [Lecturer / Senior Lecturer Kronhill Lecturer in East European Jewish History](#)
Monash University, Faculty of Arts School of Philosophical, Historical and International Studies
- [Lecturer in Linguistics](#)
University of Melbourne, School of Languages and Linguistics Faculty of Arts
- [Lecturer 20th-Century European History](#)
University of Melbourne, School of Historical and Philosophical Studies Faculty of Arts

Canada

- [Tenure-Track Position - Assistant Professor, Human Information Interaction](#)
McGill University
- [Associate Professor in Arts Management](#)
University of Toronto Scarborough, Department of Arts, Culture and Media
- [Assistant Professor in Francophone Canadian or Indigenous Literatures](#)
University of Toronto Mississauga, Department of Language Studies

- Canadian Museum of History - Manager, Visitor Services Operations
http://www.h-net.org/jobs/job_display.php?id=56277

Denmark

- Professors WSR in Consumption, Culture and Commerce
University of Southern Denmark
- 12 PhD scholarships in Faculty of Humanities
University of Copenhagen, Faculty of Humanities
- Tenure-Track Assistant Professorship in China Studies (Contemporary Chinese Culture)
University of Copenhagen, Department of Multicultural and Regional Studies
- 3-year postdoctoral fellow in collaboration with the National Museum of Art
University of Copenhagen, Department of Arts and Culture

Finland

- Postdoctoral Researcher in Philosophy
University of Jyväskylä, Department of Social Sciences and Philosophy
- Associate Professor of Education
University of Helsinki, Faculty of Education

Germany

- PhD candidate (m/f) in the area of Strategic Management PRIORITY!
Kühne Logistics University

Hong Kong

- Senior Lecturer in the Department of Philosophy
Lingnan University, Department of Philosophy

Ireland

- Lecturer in Spanish Languages Studies (Permanent)
Maynooth University, School of Modern Languages, Literature & Cultures

Netherlands

- Associate Professor in History Education and Civic Engagement
Utrecht University, Department of History and Art History
- PhD candidate in Philosophy of Language and Semantics
University of Amsterdam, Faculty of Humanities – Institute for Logic, Language and Computation

New Zealand

- Faculty of Humanities and Social Sciences PRIORITY!
Victoria University of Wellington

Sweden

- Postdoctor in Gender Studies
University of Gothenburg, Department of Cultural Sciences

United Kingdom

- Research Fellow in Spatial Audio
University of Surrey, Department of Music & Media
- Lecturer in Creative Writing
University of Leeds, Faculty of Arts, Humanities & Cultures
- ERC Research Associate/Fellow in 'Spaces of occupation in 20th century Asia (fixed term)
University of Nottingham, Department of History

- Assistant Professor post in the Department of Philosophy
University of Warwick, Department of Philosophy
- Lecturer in French
Queen Mary University of London, School of Languages, Linguistics & Film
- Senior Research Associate in European Research Area (HERA)
University of East Anglia, School of Art, Media and American Studies
- Associate Professor in East Asian History (post-1000)
University of Durham
- Professor in US History
University of Durham
- Lecturer in Archaeological Science
University of York - Heslington Campus, Department of Archaeology
- Teaching Fellow in Philosophy
University of Sussex, School of History, Art History and Philosophy
- Professor of Education
University of Bath, Department of Education
- Senior Lecturer (Associate Professor) and Lecturer (Assistant Professor) in International Education (2 posts)
University of Bath, Department of Education
- The David T.K. Wong Fellowship
University of East Anglia, School of Literature, Drama and Creative Writing
- Assistant Professor in Modern Chinese History (19th and/or 20th century)
University of Durham
- Associate Professor (or Professor) of African History
University of Oxford, Faculty of History
- Professor of Bibliography and Modern Book History
University of Oxford, Faculty of English Language and Literature
- Departmental Lecturer in Latin American Studies
University of Oxford, School of Interdisciplinary Area Studies

United States

- Department of Film, Television & Digital Media - Full / Part-time Lecturers
University of California at Los Angeles, Department of Film, Television & Digital Media
- ALI Postdoctoral Associate
Cornell University, Department of Music
- Temporary Lecturer Positions in Education 2017-18
University of California at Los Angeles, Department of Education
- Temporary Lecturer Positions in Information Studies 2017-18
University of California at Los Angeles, Department of Information Studies
- Japanese Lecturer Search (2018-2019)
University of California at Los Angeles, Department of Asian Languages and Cultures
- English Lecturer
University of California at Los Angeles, Department of English
- Part-Time and Temporary Lecturer in French
University of California at Los Angeles, Department of French & Francophone Studies

- Part-time and Temporary Lecturer in Digital Humanities
University of California at Los Angeles, Digital Humanities Program
- Part-time and Temporary Lecturer in Italian
University of California at Los Angeles, Department of Italian
- Linguistics Lecturer
University of California at Los Angeles, Department of Linguistics
- Lecturers/Visitors in Philosophy 2017-18
University of California at Los Angeles, Department of Philosophy
- Faculty Fellows AY 2018-19 in Spanish & Portuguese
University of California at Los Angeles, Department of Spanish & Portuguese
- Writing Programs Lecturer
University of California at Los Angeles, Writing Programs
- 2017-2019 Temporary Faculty - Lecturer in History
University of California at Los Angeles, Department of History
- 2017-18 Lecturer in History
University of California at Los Angeles, Department of History
- Part-time Art instructor - Interdisciplinary Studio
University of California at Los Angeles, Department of Art
- The Museum of the City of New York
seeks applications from scholars-in-training who wish to gain valuable hands-on experience in public history and teaching, to fill three Predoctoral Fellowships funded by the Andrew W. Mellon Foundation.
http://www.h-net.org/jobs/job_display.php?id=56255

Featured research fellowships: HSE and IEEE

Postdoctoral research position at the Higher School of Economics (HSE) - St.Petersburg (Laboratory for Environmental and Technological History)

The Higher School of Economics Laboratory for Environmental and Technological History of the Center for Historical Research in St. Petersburg, Russia invites applications for postdoctoral research positions in the fields of environmental history or environmental humanities, history of science and technology or urban history. Scholars whose interests are focused on the regions of Circumpolar North or Global South are particularly welcome to apply.

The job involves:

- working under the direct supervision of Associate Professor Julia Lajus
- participants are encouraged to pursue their own research in parallel with working on Laboratory for Environmental and Technological History research projects in : 1) History of Natural Resources; 2) History of Technology 3) Urban History
Maritime history and heritage
- writing research papers for international peer-reviewed journals in co-authorship with the members of the Laboratory

- participation in organization of the events, including regular seminar of the Laboratory and other contribution to the Laboratory's development
- public presentations of candidate's own research to the researchers in the field and the broader academic community
- some teaching is encouraged, though not required. Members of the Laboratory are especially involved in teaching at international Masters Programme "Usable Pasts": Applied and Interdisciplinary History <https://spb.hse.ru/en/ma/apphist/>

Requirements:

- a PhD from an international research university in the field of History or Social Sciences related to environmental studies or STS (Science, Technology and Society studies)
- a strong background in mentioned above fields of studies, skills in digital humanities would be an advantage.
- ability to work in a team,
- fluent English (knowledge of Russian language is not required)

General conditions for Post-Doctoral Research positions can be found at https://iri.hse.ru/faq_pd. Appointments will be normally made for one year. A CV and research statement should be submitted via online application form (<https://www.hse.ru/expresspolls/poll/211481597.html>) and two letters of recommendation should be submitted by the referees directly to [iri\(at\)hse.ru](mailto:iri(at)hse.ru) by February 15, 2018. Please note that direct applications to the hiring laboratory may not be reviewed.

About HSE

HSE is a young, dynamic and fast-growing research-intensive university providing unique research opportunities (Higher School of Economics, Laboratory for Environmental and Technological History) or contact Julia Lajus directly at jlajus@gmail.com.

IEEE History Center at Stevens Institute of Technology

REMINDER: FELLOWSHIP/INTERNSHIP DEADLINES APPROACHING

1) The IEEE Life Member Fellowship in the History of Electrical and Computing Technology, 2018-2019

DEADLINE 1 FEBRUARY 2018

The IEEE Life Members Fellowship in the History of Electrical and Computing Technology supports either one year of full-time graduate work in the history of electrical or computer science or technology or a related field at a college or university of recognized standing, or up to one year of post-doctoral research for a scholar in this field who has received his or her Ph.D. within the past three years. This award is supported by the IEEE Life Members Committee and administered by the IEEE History Center. The stipend is \$17,000, with a research budget of up to \$3,000. The Fellow is selected on the basis of the candidate's potential for pursuing research in, and contributing to, the field of the history of technology. The deadline for completed applications for the 2018-2019 Fellowship year is 1 February 2018. More information, contact information, and an application form are available at: https://www.ieee.org/about/history_center/fellowship.html

2) IEEE History Center Life Member Internship 2018

DEADLINE 1 MARCH 2018

Scholars early in their career studying the history of electrical technology and computing are invited to contact the Center to be considered for a paid Internship at the Center's offices on the Stevens Institute of Technology campus in Hoboken, New Jersey, USA. The IEEE History Center, a center for the public history of technology, is cosponsored by the Institute of Electrical and Electronics Engineers, Inc. (IEEE)—the world's largest professional technical society—and Stevens Institute of Technology

The intern program seeks to provide research experience for graduate students and other young scholars in the history of electrical and computer sciences and technologies and related fields, while enlisting the help of promising young scholars for the Center's projects. The Intern generally works full-time for two months at the History Center on a Center project that is connected to his or her own area of interest.

There is no formal application form. To apply, please mail curriculum vitae showing your studies in electrical history, a three- to five-page page (single or double spaced) writing sample, along with a cover letter describing the sort of project you would be interested in doing (see contact information below). The deadline for contacting the IEEE History Center is 1 March 2018. More details and contact information can be found at https://www.ieee.org/about/history_center/internship.html

VIII. Join ICOHTEC

An ICOHTEC membership makes you a member of the scholarly network of the UNESCO-based International Committee for the History of Technology, ICOHTEC.

The membership includes:

- Reduced fees for ICOHTEC's conferences
- ICOHTEC's reviewed journal ICON (published annually, ca. 200 pages)
- Electronic access to back issues of ICON (published since 1995)
- ICOHTEC's electronic Newsletter (published monthly – available via mailing list and on the homepage)

Please share this form with a colleague who is not yet a member or ask your library to subscribe



Form for annual membership renewals / registration of new members

Annual membership includes subscription to ICOHTEC's refereed annual journal ICON, access to all back issues of ICON in electronic form via the ICOHTEC website, a monthly Newsletter, and special registration rates at the annual ICOHTEC symposium.

I wish to renew my membership / to become a new member in ICOHTEC. (Tick below the appropriate description/rate):

- ☐ An individual. Rate: (40 \$ or 30 € or equivalent) per year
- ☐ A student. Rate: (40 \$ or 30 € or equivalent for two years)
- ☐ An institution. Rate: (100 \$ or 75 € or equivalent) per year
- ☐ A library. Rate: (Europe: 36 €, Overseas 39 € or 52 \$) per year

Tick the years of membership to be paid: ☐ 2014 ☐ 2015 ☐ 2016 ☐ 2017 ☐ 2018

I submit the total amount: _____ €/ \$

Your first name and surname: _____

Email: _____

Postal address: _____

Country: _____

Tick the method of your payment:

- ☐ Through the PayPal option on ICOHTEC website
- ☐ Through international money transfer: Make international money transfer to:

“ICOHTEC“ at Commerzbank Bochum (Husemannplatz 3-4, D-44787 Bochum, Germany):
IBAN: DE44 4304 0036 0390 2590 00; BIC: COBADEFFXXX

- ☐ Through a cheque. Send the check with the appropriate sum made out to “ICOHTEC” and send to: Turku School of Economics, Rehtorinpellonkatu 3, Room 313, 20 014 Turku University, FINLAND

After filling the form, please scan and send by email to Prof. Timo Myllyntaus, ICOHTEC Treasurer at timmyl@utu.fi . Your filled form will facilitate sending ICONs and allocating access privileges.