

Newsletter of the International Committee for the History of Technology ICOHTEC

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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

Papers, sessions and poster proposals must be submitted in English.

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.

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** of 350 euro 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:

Timo Myllyntaus
Turku School of Economics
Rehtorinpellonkatu 3, Room 313
20 014 Turku University, Finland

I.I 45th ICOHTEC CFP: The Social History of Military Technology Symposium

CALL FOR PAPERS

13th Annual Symposium of the Social History of Military Technology
45th Symposium of the International Committee for the History of Technology
Saint-Etienne, France, 17–21 July 2018

We seek proposals for papers to be presented in the 13th Annual Symposium of the Social History of Military Technology (SSHMT), scheduled as part of the program for the 45th Conference of the International Committee for the History of Technology (ICOHTEC), Saint-Etienne, France, 17–21 July 2018. ICOHTEC has selected the general theme of **“Technological Drive from Past to Future? 50 years of ICOHTEC.”** Among the several subthemes listed, one is particularly relevant to our symposium: **Heritage in the centennial commemorations of World War I: industry, technology, and the Great War.** In submitting a proposal for SSHMT, you are encouraged, but not required, to address the ICOHTEC theme and subthemes. For the 2018 ICOHTEC conference as a whole, including the ICOHTEC call for papers with all subthemes and information about registration, accommodations, travel grants, and so forth, see: <http://www.icohtec.org/annual-meeting-2018.html>.

SSHMT, a regular part of the ICOHTEC annual meeting since 2005, strives to move beyond the narrow material focus that the history of military technology often assumes among fans, antiquarians, and many historians. As commonly practiced, the history of military technology centers on weaponry, warships, fortifications, or other physical manifestations of warfare, stressing their making, workings, or usage. Historians have also tended to assume a strictly utilitarian and rational basis for military technological invention and innovation. However necessary they may be, such approaches largely ignore some very important questions. What are the contexts of social values, attitudes, and interests, non-military as well as military, that shape and support (or oppose) these technologies? How do the social order and military technology reciprocally interact? Or, more generally: How do social and cultural environments within the military itself or in the larger society affect military technological change? And the indispensable corollary: How does changing military technology affect other aspects of society and culture? In brief, this symposium will address military technology as both agent and object of social change, taking a very broad view that encompasses not only the production, distribution, use, and replacement of weapons and weapon systems, but also communications, logistics, medicine, and other technologies of military relevance, as well as sciences of military interest.

We seek papers about: (1) representations of weapons as well as weapons themselves, about ideas as well as hardware, about organization as well as materiel; (2) ways in which social class, race, gender, culture, economics, politics, or other extra-military factors have influenced and been influenced by the invention, R&D, diffusion, or use of weapons or other military technologies; (3) the roles that military technologies play in shaping and reshaping the relationships of soldiers to other soldiers; soldiers to military, political, and social institutions; and military institutions to other social institutions, most notably political and economic; and/or (4) historiographical or museological topics that discuss how military technology has been analyzed, interpreted, and understood in other fields, other cultures, and other times. Pre-modern and non-Western topics are particularly welcome.

All proposals must be submitted in English. Although papers may be presented in English, French, German, Russian, or Spanish, ICOHTEC does not provide simultaneous translation. Proposals must include an abstract and a biographical sketch.

(1) **Abstracts** should include 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. **Please do not include notes or bibliography.**

(2) Your **biographical sketch** must be no longer than 1 double-spaced page, It should include your educational and professional employment histories, notice of significant publications and/or presentations. You may include other relevant information in the CV, as long as you do not exceed the 1-page limit. **Be sure to include your name and email address, and to specify your present institutional affiliation (or independent status).**

Do not submit your paper proposal to ICOHTEC. Bart Hacker and Ciro Paoletti are organizing the symposium. Send your proposal to Bart Hacker at: <hackerb@si.edu>, no later than **31 January 2018, but earlier is better.** Bart and Ciro will assemble and submit the complete symposium. Please feel free to distribute this CFP to anyone you believe may be interested and qualified.

II. Books on the History of Science and Technology

WOMEN OF PETROLEUM GEOLOGY -- NEW BIOGRAPHICAL RESOURCE

Anomalies: Pioneering Women in Petroleum Geology 1917-2017, by Robbie Rice Gries

This year the American Association of Petroleum Geologists celebrates its centennial. Former AAPG President - and first female AAPG president - Robbie Rice Gries decided to highlight the contributions of women petroleum geologists by researching the first 100 women in American petroleum geology. Some members of this group may have seen the massive mural-sized poster of the first 100 women in American petroleum geology that is currently touring earth sciences conferences (mostly recently at the Geological Society of America in Seattle, WA). The accompanying book may prove useful to historians as well as those in the field by providing essential information about women who were out doing site surveys, assessing resources, and managing crews from the beginning of the twentieth century. Brief biographical vignettes supply information about early women pioneers. Later sections include interviews with those still active. Simply browsing the photos supplies a capsule history of the sites and technologies of the last century of oil and gas exploration, as well as the changing gender dynamics of the field. The tone is celebratory and the project is based deeply within the field of petroleum geology, but its documentation of early women provides a much-needed counterbalance to a profession that is still predominately male, and it could be useful for undergraduates contemplating the field as well as to scholars looking for background. The book is privately published but available through the AAPG website: <http://store.aapg.org/detail.aspx?id=1289>

Conevery Bolton Valencius
Department of History
Boston College

III. Shot Meeting of 2017 in Philadelphia

The SHOT meeting of 2017 was held at the hotel Sheraton Society Hill in the old quarters of Philadelphia, Pennsylvania. That city has a charming history and because of that, several nicknames. Its name has, for example, been translated into English by the phrase “the City of Brotherly Love”, which refers to its roots in the Quaker movement.

The meeting lasted almost three days including the pre-conference tour. The scientific programme consisted of 88 sessions plus plenaries and various meetings of “special research groups”. Themes of the sessions were very variable; however, a great many of them dealt the contemporary history and some even the present time and future. The general theme of this annual meeting, “Technology, Democracy and Participation”, may have affected to the relative topicality and shortness of temporal dimensions in the sessions. The conference was started by an opening plenary, where keynote lectures were delivered by Donna Riley and Nathan Ensmenger. The latter focussed in his keynote “Cloud is a Factory” to estimate the present energy consumption of online search engines and cloud services. In total, they consume according to him more than the sixth most energy consuming country in the world.

This time a new thing for me was persistent requirements by the leadership of SHOT that participants must send their written presentations to the commentators and other contributors of their sessions some weeks before the meeting. Papers were as a rule well presented, which has also been a common feature in other conferences in the recent years. Nevertheless, when the flow of speech is accelerated, the lesser the presenters take eye-contacts with the audience. The participants’ composition in the SHOT meetings have changed a lot during the past ten years. The number of non-American and female attendants have increased considerably, while the average age of them have perhaps somewhat risen. Attendance at the SHOT meetings have varied considerably during recent years. In some meetings, there have been even less than 400 participants, while the Singapore meeting of the last year attracted about one thousand people. This meeting was attended by 536 registered participants. In this meeting, SHOT awarded 12 different prizes. The one with the highest prestige, Leonardo da Vinci Medal, was given to Arnold Pacey, the British veteran researcher of history of technology, who delivered his autobiographic speech by a video filmed by vice-president Francesca Bray’s mobile phone at his home in Yorkshire. This time the LOC provided a versatile set of excursions and other social programme. The pre-conference excursion, “Insider Tour”, was made to the Hagley Museum and Library in Wilmington. The institution’s extensive premises have earlier served as Du Pont’s factory of explosives powered by waterwheels, hydroturbines and steam engines. Lectures, visits to the stocks of the archives and library as well as to the renovated sites of the factory were well organized and numerous guides during the day were knowledgeable experts. The same spirit of dedication was present in other excursions, as well. During a couple of receptions we had a chance to become acquainted to the house of the Chemical Heritage Foundation and its library. To those interested in American history, Philly proved to be the real Mecca, because this first capital of the USA (1790 – 1800) has more historical museums than any other city in the country.

Prof. Timo Myllyntaus
Turku School of Economics

IV. Tools for the Research in the History of Science and Technology

Medicine at Ground Level: State Medical Societies, State Medical Journals, and the Development of American Medicine, 1900-2000 (The Medical Heritage Library, National Endowment for the Humanities-funded initiative)

Boston, MA, October 2, 2017. The Medical Heritage Library has released 3,907 state medical society journal volumes free of charge for nearly 50 state medical societies, including those for the District of Columbia and Puerto Rico, through the Internet Archive (<http://www.medicalheritage.org/content/state-medical-society-journals/>). The journals – collectively held and digitized by Medical Heritage Library members The College of Physicians of Philadelphia; the Francis A. Countway Library of Medicine; the Center for the History of Medicine and Public Health at The New York Academy of Medicine; the Health Sciences and Human Services Library, University of Maryland, the Founding Campus; and the Library and Center for Knowledge Management at the University of California at San Francisco – consist of almost three million pages that can be searched online and downloaded in a variety of formats. State medical society journals document the transformation of American medicine at both the local and national level, serving as sites not only for scientific articles, but for medical talks, local news regarding the medical profession, pharmaceutical and device advertising, and unexpurgated musings on medicine and society throughout the 20th century.

Project supporter and former president of the American Association for the History of Medicine, Distinguished Professor of History Nancy J. Tomes, Stony Brook University, notes: “The value of this collection lies precisely in the insights state journals provide on issues of great contemporary interest. They shed light on questions at the heart of today’s policy debates: why do physicians treat specific diseases so differently in different parts of the country? Why is it such a challenge to develop and implement professional policies at the national level? How do state level developments in health insurance influence federal policy and vice versa? How do factors such as race, class, gender, and ethnicity affect therapeutic decision making? How have methods of promoting new therapies and technologies changed over time? These are issues of interest not only to historians but to political scientists, sociologists, and economists.”

The digitized collection offers unprecedented, centralized access to one of the richest resources concerning the evolution of American medicine and will open the texts to new forms of analysis in the digital humanities, such as those supporting the investigation of health trends and outcomes over time and region, as well as visualizations.

Journals were digitized between 2015 and 2017 through the National Endowment for the Humanities (grant number: PW-228226-15), with additional funding provided by the Harvard Library and the Arcadia Fund, as well as Harvard Medical School. All publications found in the collection are provided free of charge by individual journal publishers agreeing to open access for content currently under copyright. Created in 1965 as an independent federal agency, the National Endowment for the Humanities supports research and learning in history, literature, philosophy,

and other areas of the humanities by funding selected, peer-reviewed proposals from around the nation. For more on the NEH Office of Digital Humanities visit <http://www.neh.gov/odh/>.

Beyond the Internet Archive's portal through which MHL content is delivered, the Medical Heritage Library hosts state-by-state links to the journals (<http://www.medicalheritage.org/content/state-medical-society-journals/journals-by-state/>) and the MHL's advanced search interface (<http://mhl.countway.harvard.edu/search/>), which offers full-text, proximity, date, and language searching among other features.

About the Medical Heritage Library

Founded in 2010 with funding from the Alfred P. Sloan Foundation to digitize 30,000 medical rare books, the Medical Heritage Library (MHL) is a digital curation collaborative among some of the world's leading medical libraries that promotes free and open access to quality historical resources in medicine. The MHL's goal is to provide the means by which readers and scholars across a multitude of disciplines can examine the interrelated nature of medicine and society, both to inform contemporary medicine and strengthen our understanding of the world in which we live. The MHL's growing collection of digitized medical rare books, pamphlets, journals, and films number over 200,000, with representative works from each of the past seven centuries, all of which are available through the Internet Archive. Information about the MHL may be found on the website, www.medicalheritage.org.

Hanna Clutterbuck-Cook
medicalheritage@gmail.com

V. ICOHTEC Prizes: DAUMAS AND TURRIANO

MAURICE DAUMAS PRIZE – ICOHTEC'S ARTICLE PRIZE

The *International Committee for the History of Technology*, ICOHTEC, welcomes submissions for the *Maurice Daumas Prize*, which aims to encourage innovative scholarship in the history of technology. ICOHTEC is interested in the history of technological development as well as its relationship to science, society, economy, culture and the environment. There is no limitation as to theoretical or methodological approaches.

The prize will be awarded to the author of the best article submitted which deals with the history of technology in any period of the past or in any part of the world and which was published in a journal or edited volume in 2016 or 2017. Eligible for the prize are original articles published in (or later translated into) any of the official ICOHTEC languages (English, French, German, Russian or Spanish). Submissions are welcomed from scholars of any country **who are currently in graduate school or have received their doctorate within the last seven years**. Please send your submission and a brief (not to exceed one-page) cv to each of the six Prize Committee members **no later than 15 January 2018**. **Electronic submissions are preferred**. The winner will be contacted in late April 2018.

The prize will be awarded at our 45th Symposium, to be held in St Etienne, France, in summer 2018 (17-21 July 2018). The winner will receive a cash prize of Euro 500 as well as a travel grant of Euro 300 (if needed) to attend the ICOHTEC Symposium, which will feature a special panel

organized around the winning article. The Daumas Prize is sponsored by the Université de Technologie de Belfort-Montbéliard (UTBM), France.

Prize Committee

Maria Elvira Callapez, Pl. Dr., [Prize Committee Chairperson],
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mariaelvira.callapez@gmail.com

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Université de technologie de Belfort-Montbéliard (UTBM), **France**. Email:
laurent.heyberger@utbm.fr

Liliia Zemnukhova, Dr.
Sociological Institute of the Russian Academy of Sciences (SI RAN), St. Petersburg, **Russian Federation**. Email: l.zemnukhova@gmail.com

MAURICE DAUMAS (1910 - 1984) – The French Trailblazer

The history of technology would never have become a prominent field of historical research without energetic pathbreakers. Maurice Daumas was one of them. One of his better known early works is *Les instruments scientifiques aux XVIIe et XVIIIe siècles*, which was also published in English. Between 1962 and 1978, he edited a highly acclaimed history of technology, *Histoire générale des techniques*, in five volumes, which has been translated into English and Spanish, and used as a textbook in various countries. In France, Daumas was also the pioneer of industrial archaeology. Daumas was the first secretary general of ICOHTEC and the host of its symposium at Pont-à-Mousson in 1970. For further information about Daumas:

http://www.persee.fr/web/revues/home/prescript/issue/rhs_0151-4105_1984_num_37_3

For information about ICOHTEC: <http://www.icohtec.org>

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

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Maastricht University
Department of History
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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

VI. Conference Announcements

Deutsches Bergbau-Museum Bochum Mining History Section

International Conference *Boom – Crisis – Heritage. King Coal and the energy revolutions after 1945*
Bochum, March 14th till 16th 2018

The conference “Boom – Crisis – Heritage. King Coal and the energy revolutions after 1945” is based on the interdisciplinary research project “From Boom to Crisis – German Coal Mining after 1945” (see: <http://www.bergbaumuseum.de/index.php/de/forschung/projekte/sgm-boom-krise>). It is our aim to consider the multi-layered processes of social, economic and cultural change triggered by transitions of energy regimes from international and comparative perspectives.

Rather than restricting our scope to a study of coal mining, the conference will also cover coal’s competitors as well as consumers and users of various forms of energy. This broad sweep is designed to enable the presumed existence of unique paths of development and their specific regional and national characteristics.

The conference explores topics in two subject areas. One investigates the economic, social and technological development of the coal mining industry and related industries. In this theme we consider contemporary responses to the upheaval within the energy sector after 1945 and analyse the transformation of the European Energy Market from the point of view of technological, environmental, economic, corporate, social or scientific history.

The other explores the tangible and intangible legacy of coal mining. We would like to put a spotlight on culturalisation and touristification processes in relict energy landscapes as well as subsequent reuse.

Organization:

Mining History Section, Deutsches Bergbau-Museum Bochum. Montanhistorisches Dokumentationszentrum (montan.dok), Deutsches Bergbau-Museum Bochum.

In cooperation with:

Department of History, Ruhr-Universität Bochum and Institut für Industriearchäologie, Wissenschafts- und Technikgeschichte (IWTG), TU Bergakademie Freiberg

With generous support:

The conference and the research project “From Boom to Crisis – German Coal Mining after 1945” are funded by the RAG-Stiftung.

Registration:

The registration period ends on 16 February 2018. Please use the registration form at www.bergbaumuseum.de/BCH2018

Venue

Technische Hochschule Georg Agricola
Studierendenzentrum
Gebäude 3 / Eingang C
Herner Straße 45
44787 Bochum
www.thga.de/anfahrt

Contact: Dr. Juliane Czierpka, juliane.czierpka@bergbaumuseum.de, Tel.: +49 (234) 968-4134
Dr. Torsten Meyer, torsten.meyer@bergbaumuseum.de, Tel.: +49 (234) 968-4134

VII. Call for Papers**Society for the Social History of Medicine Conference 2018. Conformity, Dialogue and Deviance in Health and Medicine. Liverpool, 11-13 July 2018.**

The Society for the Social History of Medicine hosts a major, biennial, international, and interdisciplinary conference, and from 11-13 July 2018 it will meet in Liverpool to explore the theme of ‘Conformity, Resistance, Dialogue and Deviance in Health and Medicine’.

This broad theme plays on several levels. It reflects local Liverpool health heritage as a site of public health innovation; independent and at times radical approaches to health politics, health inequalities, health determinants, treatment and therapies (including technological innovation, community and collective practices, and the use of arts in health).

The conference is not exclusive in terms of its theme, and welcomes proposals that consider all topics relevant to histories of health and medicine. Submissions are not restricted to any area of study: we welcome a range of disciplinary approaches, time periods and geographical contexts. Submissions from scholars across the range of career stages are most welcome, and especially from postgraduate and early career researchers.

Individual submissions should include a 250 word abstract, including five key words and a one paragraph CV/resume with contact information. Panel submissions should include three papers (each with a 250 word abstract, including five key words and a short CV), a chair, and a 100-word panel abstract. Round table submissions should include the names of four participants (each with a short CV), a chair, a 500-word abstract and five key words. We also invite poster presentations, short films and ideas for new sessions.

All submissions and enquiries to be sent to sshm2018@liverpool.ac.uk. The deadline for submissions is 5pm Friday 2 February 2018.

Bursaries

The Society offers bursaries to assist students in meeting the financial costs of attending the conference. Please click the link below for more information:

<https://www.liverpool.ac.uk/history/events/sshm/>

HuGSA: Reformatting the World: An Interdisciplinary Conference on Technology and the Humanities February 23 - 24, 2018

The Graduate Program in Humanities and the Humanities Graduate Student Association (HuGSA) at York University are pleased to announce an interdisciplinary conference interrogating the critical role of technology, both past and present, in shaping human culture and society. Technology, in the broadest sense, has enriched our lives by opening up new vistas of knowledge about ourselves (or ourselves) and the natural world. Digital technologies, for example, have made possible new, highly-advanced forms of social organization. They have also revolutionized almost every aspect of our lives, from travel, communication, entertainment, culture and the arts to food, medicine, education, politics, and science.

However, technology is also associated with the rise of technical rationality and a cold, calculating approach to the creation and application of technological innovation. From the industrial revolution to the development of the atomic bomb, politics in alliance with private interests have wreaked havoc on the environment, peoples and communities across the world, and threatens to alter or destroy the things we value the most. Where, for instance, is the place for privacy, freedom, spirituality, and other aspects of the human experience as we move forward in increasingly technologically administered bodies and societies? Are we destined to become slaves to our own creations, the “sex organs of the machine world,” as Marshall McLuhan predicted? Can humanism and morality withstand—or even make use of—technology for the genuine betterment of humankind?

Or, perhaps it is technology itself that must be rethought. What changes if we conceive of a technology as anything instrumental (a material, tool, text, medium, digital platform, etc.) and/or social (writing, discourse, institution, etc.) that exerts its own subtle pressure, penetrating deeply into human experience or culture? What happens when our discourses of social/political/cultural technological “progress” are supplemented with that of “affordances” and “constraints?” In other words, can we attend to the stakes of technicity itself as an increasingly prominent (and often assumed) conceptual framework? How can such interdisciplinary approaches trace the real and imagined effects of a given technology across past and present human societies, and where do discourses and practices of technology and the humanities converge?

Panel themes and topics might include (but are not limited to):

- Digital Humanities: collaboration, new perspectives and communicative technology
- Technology and the Arts: literature, fine arts, music, film, theatre, sound, fashion, etc.
- Human–Machine Interaction: cyborgs, the social and the technological,
- Biotechnology and Biopolitics: policies, ethics and technologies of living organisms
- Epistemologies: disciplines, divides and the production of knowledge
- Media Studies: communication and culture, social impact of media
- History and Philosophy of Technology: past and present perspectives
- Profit and loss: Potentials of new technologies and what is made antiquated in turn
- Prophets and the lost: how varieties of spirituality have adapted with/to technology

We welcome submissions from graduate students of any level, as well as early career researchers, from a wide cross-section of disciplines, fields and critical approaches, including (but not limited

to) anthropology, art history, classics, communications and culture, comparative literature, critical theory, cultural memory, digital humanities, education, film studies, fine arts, futurism, historicism, history of science and technology, media studies, medical humanities, medicine, philosophy, popular cultural studies, religious studies, representation studies, sociology, translation studies, and women's studies.

Submissions may take the form of 20-minute papers, or 12–15 minute roundtable papers in either English or French. Those wishing to participate are invited to submit a 250-word abstract to humaconference@gmail.com by **8 December, 2017**.

Submissions must be accompanied by:

- the presenter's name
- institutional affiliation, program and level of study
- e-mail address
- tentative title
- a short (150-word) bio
- as well as an indication of whether any computing or electronic equipment is needed

We are also very pleased to welcome practitioners of digital technologies who wish to present their work. We are offering access to the Digital Media Studio in the York University School of the Arts, Media, and Performance & Design building in the evenings for post-panel workshops. This room is equipped with Oculus Rift and Vive virtual reality hardware and Unreal virtual reality software. For those wishing to organize such a session, please contact us with technology requirements. Other submissions, in the form of poster sessions, visual art, or performance, will also be considered.

**The International Society for the Philosophy of Chemistry Annual Conference 2018.
Department of Philosophy, University of Bristol, 16-18 July 2018.**

The International Society for the Philosophy of Chemistry (ISPC) is devoted to the international exchange of ideas concerning the philosophical foundations of the chemical sciences and related areas. This exchange fosters discourse between chemists, biochemists, philosophers, historians, sociologists and educators.

Philosophy of chemistry concerns both internal questions arising from the methods, concepts, and ontology unique to chemistry and chemical research, as well as traditional questions in the philosophy of science, addressed from a chemical perspective. See:

<https://sites.google.com/site/socphilchem/>

The 2018 conference will be open to the full range of topics and views within the overall subject. For information about previous contributions, please see the volumes of Foundations of Chemistry which include papers from previous conferences. See:

<http://www.springer.com/philosophy/epistemology+and+philosophy+of+science/journal/10698>

There will also be the special topic of the concept of chemical “element”. Discussion of this topic potentially brings in a number of issues in the philosophy of chemistry, as well as examples from

the full range of the history of chemistry, including the ideas on this topic, for example, of Aristotle, some alchemists, chemists in the seventeenth and early eighteenth centuries, Lavoisier, Mendeleev, IUPAC and Paneth.

The conference will offer the opportunity for contributors to the forthcoming edited book of studies on this topic to present preliminary versions of their papers, if they wish to do so, and/or to become acquainted with the material included in the papers by other contributors, as well as the opportunity for other participants to become acquainted in detail with this very interesting topic.

The conference is organised by Dr Geoffrey Blumenthal, University of Bristol, and will be co-hosted by Vanessa Seifert, University of Bristol.

The scientific committee for determining the programme of the conference includes the following:

Marina Banchetti-Robino, Florida Atlantic University, USA.

José Antonio Chamizo, Universidad Nacional Autónoma de México, Mexico.

Michele Friend, Georgetown University, USA.

Elena Ghibaudi, University of Torino, Italy.

Clevis Headley, Florida Atlantic University, USA.

Robin Hendry, University of Durham, UK.

Jean-Pierre Llored, Linacre College, Oxford and Laboratoire Sphère, Université Paris 7.

Olimpia Lombardi, Universidad de Buenos Aires, Argentina.

Guillermo Restrepo, Universidad de Pamplona, Colombia.

Klaus Ruthenberg, Hochschule Coburg, Germany.

Eric Scerri, University of California, Los Angeles, USA.

Tami Spector, University of San Francisco, USA.

All proposals for papers should include a title and an abstract of up to 500 words. Please submit your abstracts to gbo859@bristol.ac.uk; the deadline is 10 January 2018. Receipt of abstracts will be acknowledged. Acceptance will be automatic for abstracts which have already been accepted for the volume on the concept of “element”. In other cases, the Committee’s decisions will be notified in mid-March 2018.

VIII. Call for Manuscripts

Call for thematic issue – HoST - Journal of History of Science and Technology

A New History of the Telephone: Inter-medial/Inter-technological and Transnational Perspectives
Guest editors: Gabriele Balbi and Christiane Berth

The history of the telephone has often been written from a single-medium and national perspective. Histories of the telephone are mainly based on national case studies and do not connect this device with other technologies. Consequently, it is time to advance the historiography of the telephone in two directions. This special issue aims to reconsider the history of the landline and mobile telephone by placing it in an inter-medial/inter-technological and transnational

perspective. This means that contributions should (re)read the history of this medium considering first its relationship to other fields of technology, for example, the area of communication or transportation. Second, we invite contributions that examine how the telephone has included, excluded, or even fought contemporary technologies in different times and across different geographical spaces. Thus, we are seeking pieces that explore the telephone's interactions with different technologies and different cultures from the late 19th through the early 21st century, welcoming also a *longue durée* perspective.

This special issue addresses different theoretical aims: first, it aims to merge media and telecommunications studies, two branches that have frequently been kept separated. Media history has often been interpreted as mass media history, focusing on the press and broadcasting, while adopting mainly institutional and cultural studies perspectives. Telecommunications history, on the other side, is a field mainly explored by historians of technology and business so it has often focused on the technical or economical dimensions of networks. This special issue would like to offer a convergence of the history of mass media with the history of the telephone. In general, media convergence is considered a late 20th-century phenomenon and an effect of digitization. On the contrary, we aim to demonstrate that forms of convergences among different technologies were already happening in the late 19th and early 20th century thanks to the telephone.

Second, media convergence is linked with inter-mediality or inter-technology. Media scholars agree on the fact that different media are all interrelated and analyze this phenomenon as inter-medial or media system logic. This inter-medial and inter-technological element is the dominant theme of this special issue. For example, the history of mobile telecommunications needs to consider interactions with the history of landline telephones, wireless telegraphs, computers, and the web as well as photography and phonography in terms of sound storing. Thus, communication media cannot be studied in isolation. By contrast, their economic, technical, sociocultural, and even anthropological dimensions can only be understood in the context of the media systems in which they play an integral role. At the same time, the history of the telephone needs to be studied in the context of the non-communication technologies that shape it. Indeed, technologies, apparently unrelated and far from telephony, can shape governmental policies, business strategies, technological networks, and users' experiences. Keeping the example of the history of mobile phone, we need to consider it in connection with trains, cars, planes, and electrical networks.

Finally, this special issue will introduce telephone history as a transnational, "entangled" history. This means analyzing historical interactions in the context of capitalism, colonialism, and decolonialism, multinational enterprise, development cooperation, (neo)liberalism, and privatization of everyday life. Especially in the second half of the twentieth century, political interventions were aimed at reducing inequalities in access to telecommunication. Again, inter-technological interactions were important, as the satellite provided new opportunities for rural telephony. However, the mobile phone closed the gap in many world regions in the late twentieth century.

Contributors can come from a wide range of disciplines, such as media and communication studies, telecommunications, political economy, political sciences, cultural studies, history, or geography.

We are especially interested in papers that combine a broad theoretical analysis with historical case studies. We also invite authors to reflect from an interdisciplinary perspective on transnational perspectives and inter-technological methodology.

Deadlines:

- Abstracts of 250 words can be submitted to guest editors until December 31, 2017 and the selected ones will be notified by January 15, 2018.
- Accepted authors will have to submit a full paper of no more than 7,500 words by May 2018. All papers will undergo a double-blind peer-review process.
- The issue is scheduled for publication in Spring 2019.

Please submit your abstracts by email to gabriele.balbi@usi.ch and christiane.berth@hist.unibe.ch

IX. 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 other programs aimed to professional development.

Australia

- Lecturer in Media Communications
University of Melbourne, School of Culture and Communication Faculty of Arts
- Lecturer in Archaeology/Ancient History
Macquarie University, Faculty of Arts
- Research Fellow in History
Australian National University, Research School of Social Sciences

Canada

- Tenure-Track Position - Assistant Professor, Human Information Interaction
McGill University
- Assistant Professor, Department of Philosophy (Metaphysics and Epistemology)
Ryerson University, Department of Philosophy
- Assistant Professor in Department of Philosophy (Continental Social and Political Philosophy)
Ryerson University, Department of Philosophy
- Faculty Member in Arts and Science
University of Saskatchewan, College of Arts and Science

Denmark

- Professors WSR in Consumption, Culture and Commerce
University of Southern Denmark
- Professorship in Modern Arab and Islamic Studies
Aarhus University, School of Culture and Society, Department of the Study of Religion
- Adjunct in Philosophy History in Applied Perspective
Aalborg University, Department of Learning and Philosophy

Finland

- Assistant Professor of Technology Education
University of Helsinki, Faculty of Education

Hong Kong

- Associate Professor / Assistant Professor of Asian and Policy Studies
The Education University of Hong Kong
- Research Assistant in History
Hong Kong Baptist University, Department of History

Japan

- One Associate Professor or Associate Professor(Lecturer) in History of Science
Tokyo Institute of Technology, Institute for Liberal Arts
- One Professor in Philosophy
Tokyo Institute of Technology, Institute for Liberal Arts

Singapore

- Tenure-track Assistant Professor in Green Humanities
Nanyang Technological University, School of Humanities

United Kingdom

- 2 University Lectureships in Philosophy
University of Cambridge, Faculty of Philosophy
- Teaching Fellow in Cultural and Media Studies
University of Leeds, Faculty of Arts, Humanities & Cultures
- Lecturer/Senior Lecturer in Medieval History
University of Manchester, School of Arts, Languages and Cultures
- Lecturer/Senior Lecturer in Early Modern History
University of Manchester, School of Arts, Languages and Cultures

United States

- International Migration History
University of California at Davis, Department of History
- Temporary Instructors 2017-2018 in History
University of California at Davis, Department of History
- Lecturer Pool - Undergraduate Courses in Department of Italian Studies
University of California at Berkeley, Department of Italian Studies
- Lecturers in Various Fields of History - Summer 2018
University of California at Berkeley, Department of History
- Lecturer in History of Science, Technology, Medicine, Environment, or Quantitative/Computational History
University of California at Berkeley, Department of History
- Lecturer in United States History
University of California at Berkeley, Department of History
- Lecturers in Various Fields of History
University of California at Berkeley, Department of History
- Lecturer in European History
University of California at Berkeley, Department of History

- University of Chicago - Postdoctoral Researcher at the Rank of Instructor
http://www.h-net.org/jobs/job_display.php?id=56006
- University of Cincinnati - Assistant Professor, Public History/Digital Humanities
http://www.h-net.org/jobs/job_display.php?id=55988
- University of Wisconsin - Madison - Postdoctoral Fellowship on the Plantationocene
http://www.h-net.org/jobs/job_display.php?id=56015
- Manhattan College - Visiting Assistant Professor of US History
http://www.h-net.org/jobs/job_display.php?id=56017
- Chemical Heritage Foundation (CHF) - NEW Two-Year Postdoctoral Fellowship and Skill-Building Program, http://www.h-net.org/jobs/job_display.php?id=55541
- Linda Hall Library - 2018-19 Fellowships
http://www.h-net.org/jobs/job_display.php?id=55854

Featured research fellowships from Germany, Switzerland and the United States

Deutschen Bergbau-Museum Bochum

The Deutsches Bergbau-Museum Bochum (DBM) provides two international postdoctoral fellowships for three months to support researchers who work in mining history, archaeology of mining, material science or archaeometallurgy. Applications showing a direct connection to the main research foci of the DBM are preferred. The preparation of an application for third-party funding for an extended research project at the DBM can be a part of the research stay and is specifically supported.

The fellows have the opportunity to use the research infrastructure of the DBM. For example the Montanhistorische Dokumentationszentrum (montan.dok) including the records of the mining archive but also the collections, scientific libraries and the material science laboratory of the DBM. Besides this, the DBM closely cooperates with the Department of History and the Department of Archaeological Studies at the Ruhr University Bochum as well as with the section Applied Material Science at the TH Georg Agricola University to Bochum. The fellows are expected to participate actively in the events and research discussions of the DBM, the Ruhr University Bochum and the TH Georg Agricola University to Bochum. Research results of the fellowship should be published in “Der Anschnitt” or in “Metalla”.

Successful applicants need to have a PhD degree in history, archaeology, archaeometry, material science or related disciplines coupled with a keen interest in the history or archaeology of mining. The fellowships will be awarded for three months and will include a grant of 2,000 Euros per month and free accommodation nearby the DBM.

Please send in your application - in German or English - by the 8th of December 2017 including the following documents:

- curriculum vitae
- publication list
- project proposal (max. 5 pages)

Applications should be sent exclusively via email to: Isika.Heuchel-Pede@bergbaumuseum.de

Contact for all queries:

Prof. Dr. Thomas Stöllner (head of research department): thomas.stoellner@bergbaumuseum.de
or Dr. Lars Bluma (dep. head of research department): lars.bluma@bergbaumuseum.de

Homepage: <http://www.bergbaumuseum.de/en/research>

Eisenbibliothek - The Iron Library

The Iron Library offers twice a year a scholar the possibility of intensive study of its holdings as **Scholar in residence (SiR)**. The program is addressed to both established researchers and younger scholars or advanced students from Switzerland and abroad.

Aim of the Program

In keeping with the Iron Library's specialization, preference will be given to applications from scholars with research projects on the history of metallurgy and mining and the history of technology and materials science, which are the focal points of the Iron Library's collection. Topics from the history of chemistry, the history of science or industrial history and culture will also be given consideration. Innovative research projects that draw on the Library's historical holdings in depth are particularly welcome. Research on the history of the Georg Fischer Corporation is especially welcome because projects that are based wholly or in part on the Corporate Archives of Georg Fischer Ltd will also be supported by the SiR Program.

What the Iron Library offers

The Iron Library, located in the former Clarissan convent Paradies, is an attractive place for focused research and creative writing. The research period may last from two to three weeks, and the precise dates and modalities will be arranged individually with the successful applicants. The Iron Library will assume the costs of a hotel for the SiR near the Library during the research period, will pay an allowance for the cost of meals during this time and will make a one-time contribution to the costs of travel to and from the Iron Library. The employees of the Iron Library will assist the SiR in his/her research work and in obtaining the relevant literature. The SiR Program is expressly not a full scholarship; any further claims on the Iron Library are excluded.

What we expect from the Scholar in Residence

It is expected that the SiR will work intensively with the Library holdings during the period of research and will take up residence near the Library. The research period may come at the beginning of a research project or may serve to complete an existing project. The results of the research period must be incorporated into a publication (print or online) and/or a degree (master's, Ph.D. or "Habilitation"), in which the use of the Iron Library is mentioned expressly. When the publication has been completed, the SiR will send the Iron Library two copies with-out

being requested. The SiR undertakes, in addition, to write a short report on the research period in the Iron Library and gives his/her consent for this report to be published on the Iron Library's website, in its Annual Report and, if appropriate, elsewhere (e.g. social media). The same shall apply to the abstract of the research project (see below).

Applications

Applicants are requested to submit the following documents:

- an abstract describing the research project (maximum 150 words);
- a curriculum vitae (resume);
- a detailed description of the project that makes it clear which holdings in the Iron Library are to be consulted (maximum 1000 words).

The application documents may be written in English or German and may be submitted by mail or by e-mail. The Management of the Iron Library will decide on the selection of the Scholar in Residence.

Application deadlines

Applications may be submitted at any time.

Please address any questions and your application to:

Franziska Eggimann, Head Iron Library and Corporate Archivist Georg Fischer Ltd
Klostergut Paradies, 8252 Schlatt, Switzerland, franziska.eggimann@georgfischer.com

IEEE History Center at Stevens Institute of Technology

The IEEE Life Member Fellowship in the History of Electrical and Computing Technology, 2018-2019 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. Recipients are normally expected to take up the Fellowship in the July of the year that it is awarded. Fellowship checks are normally mailed to the Fellow quarterly in July, October, January, and April. For Fellows in the southern hemisphere who follow the southern hemisphere academic year, arrangements can be made to mail the checks in December (two quarters worth), March, and June. Pre-doctoral fellows must pursue full-time graduate work and evidence of satisfactory academic performance is required. In addition, pre-doctoral recipients may not hold or subsequently receive other fellowships, but they may earn up to \$5,000 for work that is directly related to their graduate studies. These restrictions do not apply to post-doctoral applicants. 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

IEEE History Center Life Member Internship 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. This time is usually during the summer, but other arrangements will be considered. The stipend paid to the intern is US\$5,000, but additional funds may be available to defray travel costs, depending on the intern's circumstances. This internship is supported by the IEEE Life Members Committee, and the stipend was recently increased thanks to a generous gift from Emerson Pugh. 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.

X. 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.