

TAV. II

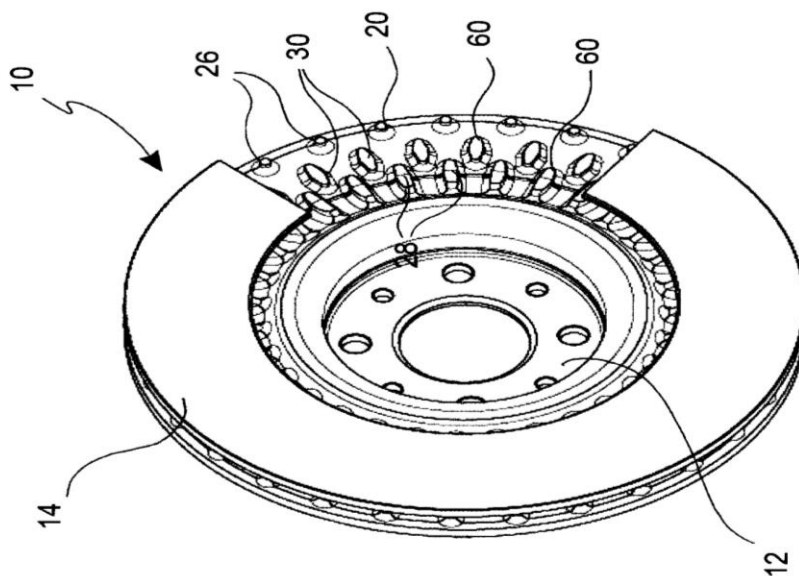


Fig. 3

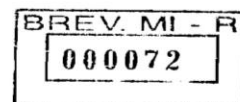
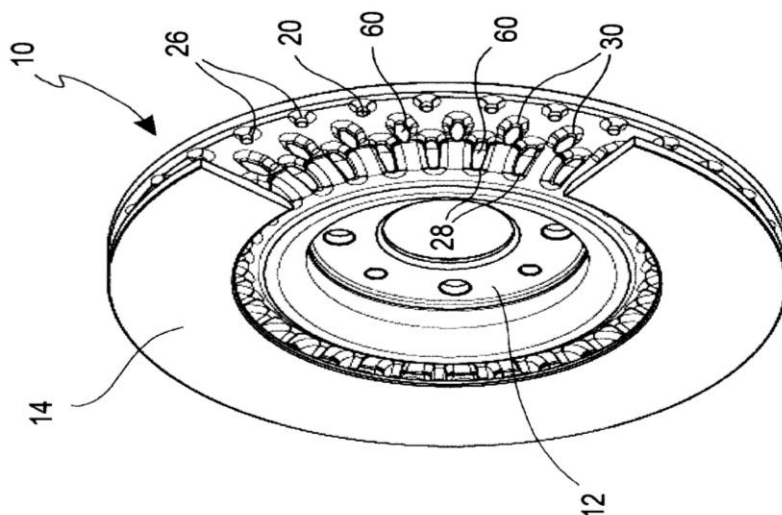


Fig. 2

P.i.: FRENI BREMBO S.p.A.

Ing. PAOLO ERNESTO CRIPPA
M. Iscr. ALBO 903 BM
(in proprio e per gli altri)

BRAKE BAND OF A DISC FOR A VENTILATED-TYPE DISC BRAKE - Concession number: 0001396228

Italian Patent Office

Deposit number: MI2009A001992 / 102009901783280

Deposit date: 13-11-2009

Concession date: 16-11-2012

Classification: F16D 65/12, F16D 65/847

Inventor (s): LORENZO CAVAGNA, NINO RONCHI - Owner (s): BRENI BREMBO S.P.A.

WIPO code: 10MI2009A001992

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 Center. Norman, OK, United States. Mail to fgerali@ou.edu

I. ICOHTEC	P. 2
I.1 EXECUTIVE COMMITTEE 2018-2021	P. 2
I.2 CALL FOR A MEETING SITE - ICOHTEC SYMPOSIUM 2020	P. 3
II. ICOHTEC MEETING 2018, ST. ETIENNE, FRANCE	P. 3
II.1. PRESIDENT’S GREETINGS	P. 3
II.2 WELCOME TO SAINT-ETIENNE!	P. 4
II.3 ICOHTEC – GLOBAL FORUM FOR HISTORIANS OF TECHNOLOGY SINCE 1968	P. 5
II.4 ICOHTEC SUMMER SCHOOL 2018	P. 6
II.5 SCIENTIFIC PROGRAMME RELEASED	P. 7
III. ICON - THE HERALD OF ICOHTEC	P. 8
III.1 MANUSCRIPTS SUBMISSION	P. 8
III.2 BOOK REVIEWS EDITOR FOR ICON IS SOUGHT	P. 9
IV. OPEN SOURCES: <i>TRANSVERSAL</i> AND <i>ACTA BALTICA</i>	P. 10
V. BOOKS ON THE HISTORY OF SCIENCE AND TECHNOLOGY	P. 10
VI. CALLS FOR PAPERS	P. 11
VII. CALLS FOR ARTICLES	P. 14
VIII. CONFERENCE ANNOUNCEMENT: <i>CENTRE EUROPÉEN D’ÉTUDES JAPONAISES D’ALSACE (CEEJA)</i>	P. 15
IX. PROFESSIONAL DEVELOPMENT: THE ORAL HISTORY CENTER, UCB	P. 17
X. JOBS, POSTDOCTORAL POSITIONS, AND RESEARCH FELLOWSHIPS	P. 18
XI. JOIN ICOHTEC	P. 21

I. ICOHTEC

I.1 Executive Committee 2018-2021

Dear Members of ICOHTEC,

As every year, we will hold an electronic ballot for three seats in Executive Committee for the term 2018-2021. In addition, we will elect the fourth member to replace Peter Koval, who resigned.

I kindly ask you to propose candidates for these positions. Please send nomination or self-nomination in a form of single page Word document containing following information: First and last name, current affiliation, short bio (max. 200 words) emphasizing the previous engagement in ICOHTEC (list of our conferences attended, organized sessions, etc.), statement on goals, and

consent to run in election. Only current members are eligible (please make sure your membership status before proposing the candidate and specify the year of accession).

We are accepting submissions by **July 1, midnight GMT**. All current members (according to the list of collected dues for 2017 or 2018 held by Treasurer) will be provided with a link and code to vote on ballot bin or other online election service. The election will be held from 3 to 10 July, and the results will be announced as soon as the ballot closes.

Best regards,
Slawomir Lotysz, ICOHTEC President

I.2 Call for a Meeting Site - ICOHTEC Symposium 2020

The International Committee for the History of Technology (ICOHTEC) is a global organisation and among the leading societies in its field. It is part of the UNESCO related network focused on the research of the history and philosophy of science and technology (IUHPS / DHST). For more information on our aims please visit our website at www.icohtec.org. ICOHTEC invites proposals for sites and local organizers for its 2020 annual symposium. Since 1968, when ICOHTEC was founded, we have organized 44 symposia in various parts of Europe but also in Japan, the United States, Mexico, China, Canada, Israel and Brazil. The past year's symposium took place in Rio de Janeiro, Brazil, as a part of the 25th International Congress of the History of Science and Technology (ICHST). This year we will held our symposium in the Jean Monnet University, Saint-Étienne, which is the fifth largest city of France. For 2019, Katowice, the old industrial centre of Poland, was elected. Our symposia are normally hosted by universities and take place during the summer months, most often between mid-June and mid-August. Our practice is that the host's Local Organizing Committee is responsible for the financial side of the symposium, providing facilities for panels and plenary sessions, offering refreshments during coffee breaks and receptions, as well as organizing excursions. The arrangements are supervised by the ICOHTEC Board, which also takes care of the scientific programme of the symposium. The deadline for preliminary proposals is **15 January 2019**. Please, send your proposal including information on the local host institutions, site, venue, accommodation, flight connections and travel options from airports as well as a preliminary social programme containing also receptions and excursions via email to ICOHTEC's Secretary General, Stefan Poser, poser@hsu-hh.de. If you have further questions, or have in your mind to invite ICOHTEC within the next years, please do not hesitate to contact me.

Best wishes
Stefan Poser, ICOHTEC Secretary General

II. ICOHTEC MEETING 2018, ST. ETIENNE, FRANCE

II.1. President's Greetings

Dear Friends and Colleagues,

In a very short time, we will meet in Saint-Étienne at the 45th Annual Meeting of ICOHTEC. I am flattered that you decided to join this event, during which the International Committee for the

History of Technology will be celebrating its 50th anniversary. ICOHTEC was founded in Paris in 1968 and since then we have been meeting in France three more times (Pont-a-Mousson 1970, Paris 1990, and Belfort 1999). There is a very special moment at the opening of each ICOHTEC meeting, when we listen to Kranzberg Lecture – an address named after Melvin Kranzberg who, jointly with Maurice Daumas, Eugeniusz Olszewski and Semyon Schuchardine, founded our Committee in 1968 in Paris. This year, the Kranzberg Lecture will be delivered by Robert Bud of Science Museum in London, who will speak about “Conceptual history, branding and technology as part of the public sphere”. I cordially invite you to this lecture as well as to all other events and activities thorough the eventful week between 17 and 21 of July.

I am looking forward to meet you all in Saint-Étienne,

Slawomir Lotysz
ICOHTEC President

II.2 Welcome to Saint-Etienne!

The Local Organising Committee is very happy this year to welcome ICOHTEC to Saint-Etienne, a historical hub of industrial and technical innovation in France. We give our regards to the 250 international researchers, representing forty different countries, who place their trust in us and will discover the town, the department, the region and even the country.

This edition is of particular significance as it marks the 50th anniversary of ICOHTEC’s founding in Paris in 1968. This international scientific committee was the brainchild of an American, a Russian and a Frenchman, who sought to overcome the Cold War and foster international cooperation through the study and development of the history of technology and its role in the evolution of societies. Theirs is a message which is just as relevant in today’s world. A talk on Maurice Daumas (Wednesday 18th July) by Professor Alexandre Herlea will be held in celebration of the anniversary.

In ICOHTEC’s founding work, *L’Archéologie industrielle en France* (1980), Maurice Daumas often shines light on the rich industrial past of the Saint-Etienne region. Thanks to the abundance of coal, the region became one of the major industrial centres of France and grew in prominence due to the variety of its production (arms, bicycles, mines, metallurgy, ironworks, textiles etc.) as well as for its innovations in technology and design.

It was indeed in Saint Etienne that the very first steam train in continental Europe was built! And it was an engineer from Saint-Etienne, Benoit Fourneyron, alumni of the Ecole des Mines, who invented the water turbine. Innovation in the region is also conceptual and organisational, with the elaboration of the administrative doctrine (1916) of Henri Fayol, also an alumni of the Ecole des Mines (class of 1860). And it’s not to be forgotten that important pages of social history and the workers’ rights movement were also written here. Professor Robert Belot will give an introductory conference entitled “Saint-Etienne, a place of memory of industrial France” (Wednesday 18th July).

Saint-Etienne is known to be a welcoming town, where people live and eat well. We have planned a program of visits and events that will let you discover our town and encourage interpersonal exchanges: a film on the industrial adventures of the town and the region, visits to local businesses, tasting of local products, a visit to Firminy (where the buildings designed by

architect Le Corbusier have just been listed as UNESCO World Heritage) as well as plenty of other surprises...

Robert Belot, Head of the local organising committee
University Professor at Université Jean Monnet

II.3 ICOHTEC – Global Forum for Historians of Technology since 1968

International Committee for the History of Technology (ICOHTEC) was established fifty years ago in Paris as a sub-branch of the UNESCO, i.e. the science organisation of the United Nations, which it is still formally. However, ICOHTEC is nowadays an economically and administratively independent scientific organisation, registered as a society in Finland in 2013. In 1968, ICOHTEC was set up to build bridges between scientific and technological communities round the world. Since then, it has served as a forum for scholarly discussions and cooperation. The main activities of ICOHTEC has been organising annual symposia in different countries and on various topics, publishing the yearbook *ICON*, as well as awarding prizes to the authors of prominent recent books and articles. The latest activity, which we have started two years ago, is the annual summer school, see the



photo. Just prior to the 45th ICOHTEC symposium, we will organise the second summer school in Saint-Étienne. International cooperation has been one of ICOHTEC's central goals for half a century.

**Lunch with Summer Schoolers
at the New University of Lisbon,
Portugal, July 2016**

Our society is genuinely a transnational organisation and people from all over the world participate in our activities. Our membership is composed of dozens of nationalities and our governing bodies are very international by the composition of their members. Joining to ICOHTEC as a member costs only 15 euros per students and 30 euros for others. Read more on ICOHTEC at www.icohtec.org

Timo Myllyntaus

ICOHTEC Treasurer and Past president

II.4 ICOHTEC Summer School 2018

„Does Technology drive History? Theoretical Concepts and Historical Examples“ is the topic and title of the ICOHTEC Summer School 2018. Its first part will take place at Jean Monnet University, Saint-Étienne, on 16-17 July, the second part in conjunction with the ICOHTEC Symposium, 18-21 July 2018. Twenty four applications from 16 countries were accepted. Seminar sessions of the School are only for these selected students, whereas the keynote lectures will be open to regular symposium participants as well.

Keynote Lectures:

Francesca Bray, Edinburgh: *Resisting transformation: technology, reproduction and the making of history.*

In popular understanding the term technology implies radical innovations that transform the world and the human condition. But many key technologies (think car-springs, brewing or insulation) embody another complementary dimension of material control. They absorb shocks and damp oscillations, thus facilitating the reproduction of societies and cultures and enhancing their resistance. This reproductive dimension of technological practice is equally significant for understanding history but has attracted less attention. As mainstream history of technology shifts its focus from innovation and the teleologies of modernity to everyday experience, maintenance and meaning, Francesca Bray discusses the attractive theoretical and methodological possibilities opened by an anthropological perspective that focuses on technologies as tools for reproducing specific material worlds, social relations and regimes of value that can successfully adapt to or absorb pressures for change or disintegration. As an illustration, she takes the case of communications technologies and their place in maintaining family cohesion, comparing socio-technological systems of intimacy in 17th-century China and in late 20th-century California.

Michel Cotte, Nantes: *Railway of St. Étienne to Lyon, a brother of the Liverpool-Manchester Railway (1826-1833): adaption and innovation during the Industrial Revolution.*

The railway line from Saint-Etienne to the Rhone Valley was initially conceived for opening up the coalmines of Rive-de-Gier and Saint-Etienne, later called ‘Loire Collieries’. During the year 1826, it comes into sight for a set of reasons: the first French pioneer line under construction between Saint-Etienne and the Loire River (Andrézieux) powered by gravity and animals, the urgent call for modern, quantitative and cheaper coal transportation by local mine owners and coal merchants, and some echoes about British projects, especially the Stockton-Darlington line. Seguin’s brothers were attentive to such information and organised a fact-finding trip to England. In parallel, French concession bid for the railway was organised by government and a joint-stock company was launched under the initiative of Seguin family. The technical project was very delicate to design because the mountainous context of the line and the associated question of train powering. A new fact-finding trip to England was organised and led to a contract with George Stephenson, Newcastle, for two steam locomotives and a visit of the site of the Liverpool-Manchester line which had been started its construction by him (1827). Nevertheless, the reception followed by first tests of the British steam engine were disappointing by manifest weakness of boiler capacities. Marc Seguin decided to replace it by one boiler of its own design within tubular system; it had been successfully tested in context of its Rhone steamboats Co., and the first locomotive with tubular boilers ran successfully at Lyon Perrache (1828). At that time, the exchange of information and

circulation of technical ideas were very active on a large scale. It took place by the way of fact-finding trips and commercial relationships by private and local Co., a model of development frequently underestimated in French context. We will discuss the two main ways operating at that time in a France supporting the industrial take-off: the official one under the rule of French State engineers, frequently underlined, and the second by the private initiative of individual contractors directly in contact with British engineers and firms, frequently underestimated in a country like France. The lecture will also examine the construction of the line, the civil engineering challenge of mountainous context and consequences of the steam engine choice. We also look at its first commercial transportation (1830), full technical achievement of the line, and launching of goods and passengers' transportation (1833). To conclude, we will pay specific attention to Seguin as first builder of a locomotive out of England, as first designer of mountain railway line and also to the economic results of the initial period of line management in comparison with other railway lines of the time, especially the Liverpool-Manchester. In methodological terms, the lecture will show the importance of multidisciplinary approach of the history of technology, paying attention to macroeconomic and microeconomic contexts, political and cultural contexts of innovation and also to its social acceptance. It is clearly a case study with answers and hypothesis to the summer school main question: "Does Technology drive History?", bearing simultaneously key issues at factual and theoretical level, especially for ANT and SCOT point of views, but also about the dilemma for national trends and models versus international culture and influences.

David Edgerton, London: What is "Technological Determinism" and why is it so disliked by historians of technology?

One would have thought that technological determinism would be the central idea for historians of technology. Yet, it is opposition to it, which is taken by many as an indicator of historiographical seriousness in the field. In this talk I will discuss the changing meanings of technological determinism, and in particular its status as a badly specified straw person in the discourse around what the history of technology could be. I then suggest what is usually wrong with such technologically determinist arguments which exist, and they are in reality few, is not the method as such, but more fundamentally, the choice of technology, the analysis of society, and the specific nature of the connections. Understanding what is really wrong with most technological determinism, is much more useful than denouncing it as methodological poison.

Hans-Joachim Braun

Chair of the Summer School Committee

II.5 Scientific Programme Released

The evaluation of paper and session proposals to the symposium in Saint-Étienne has been completed and a 4-day programme consisting of about 200 papers divided in 45 sessions is ready. It is now available in the website of ICOHTEC, see the link: <http://www.icohtec.org/annual-meeting-2018.html>. Soon the scientific programme will be published also on the website of the Local Organising Committee: <https://www.icohtec2018.fr/> From this website, you can also find information on accommodation: <https://www.icohtec2018.fr/about-saint-etienne/accommodation/> and <https://www.icohtec2018.fr/summer-school/>

The 45th ICOHTEC symposium will be held in the Trefilerie campus of Jean Monnet University, Saint-Étienne (StE). It is located about two km from the main railway station (Care de StE Chateaucieux). It takes 26-30 min to walk the shortest route from the station to the venue, while the travel time by tram lasts 25 minutes because the tram goes around the core of the city center – not through it.

Sessions will take place at nine lecturing halls in three buildings. All these rooms are equipped with a video projector. Organizers do not guarantee that there is a PC computer in each room. Therefore, it would be best if session organizers or at least one of the presenters per session bring a laptop computer with them. Users of Apple laptops presumably have to bring their own adapters for the connection to the projector. All Power Point slides should be uploaded to the connected computer before the beginning of the session in question.

The wireless Internet connection is available in the venue via *Eduroam*. The scientific programme of the symposium will be accessible by Internet. The symposium bag will include – among other things – the printed programme book as well as the Book of Abstracts.

In France, the standard voltage of the electricity is 230 volts and frequency 50 Hz, while the plug is the special French model, so called “Type E”. From other Europeans models, “Europlug” or “Type C” fits the French sockets as well as the “Schuko plug”, known as “Type F”, if it has an additional pinhole for earthing. Non-Europeans generally need a power plug (travel) adapter in France www.power-plugs-sockets.com/france/.

In July, the average high daytime temperature in StE is 26 oC (79 oF) and the average low night temperature is 13 oC (55 oF). Because temperature may vary considerably around these averages, you should pay attention that there is no air conditioning in the lecturing halls. I wish an enjoyable symposium and relaxing visit in Saint-Étienne

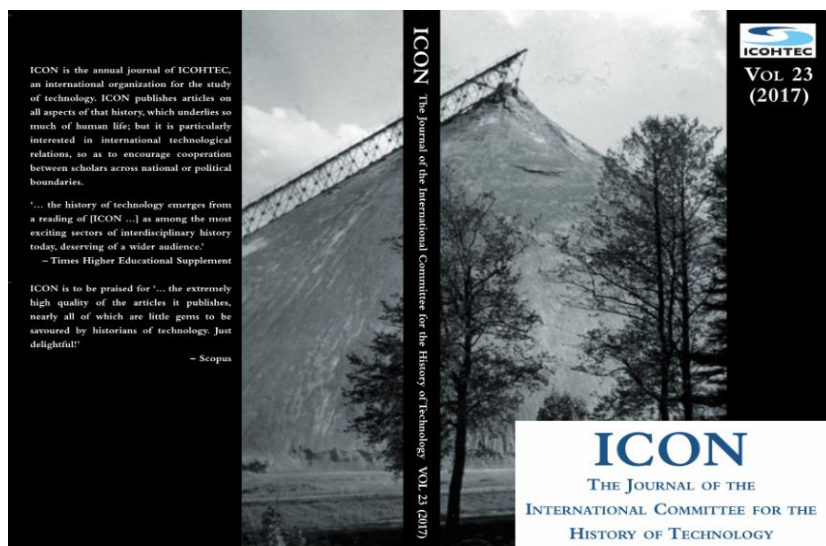
Timo Myllyntaus, Chair of the Programme Committee

III. ICON– The Herald of ICOHTEC

III.1 Manuscripts submission

ICON, the *Journal of the International Committee of Technology*, was first published in 1995 aiming to promote the study of the history of technology. It publishes research articles by member and non-members of ICOHTEC on any area of the history of technology. All of the articles are double blind peer reviewed; book reviews are commissioned. *ICON* is available through JSTOR. Articles appearing in this journal are abstracted and indexed by SCOPUS, *America: History and Life*, *Current Abstracts*, *Francis*, *Historical Abstracts*, *PubMed* and *TOC Premier*. *ICON* also is listed in the *European Reference Index for the Humanities*. Send your paper to *ICON*! *ICON* welcomes submissions from everyone, including especially those who will present at ICOHTEC's 2018 anniversary conference in St. Etienne, for its next issue. *ICON* publishes papers covering all aspects and periods in the history of technology, but devotes special attention to the discussion of contemporary problems of technology in their socio-economic and cultural settings. The journal's goal is to foster co-operation amongst scholars from all parts of the world by providing timely review and circulation of ideas to an international audience of like-minded

individuals. ICON welcomes submissions from non-ICOHTEC members as well as members, and particularly encourages submissions from authors for whom English is not their first language. All papers are chosen by peer review, using a double-blind process, and authors will be given editorial assistance to improve clarity and vigor of written expression. Coaches, chosen from among the society's senior scholars, are available to provide assistance with getting papers ready for publication. We publish both research articles (6,000-8,000 words) and research briefs (3,000 words).



Articles appearing in ICON are included in SCOPUS, America: History and Life, Current abstracts, Francis, Historical abstracts, PubMed, TOC premier, listed in the European Reference Index for the Humanities and are available via JSTOR. Please send your manuscripts (paper plus abstract) to the editor at editor@icohtec.org.

For further information about format, please consult our guidelines on the ICOHTEC website (<http://www.icohtec.org/w-publications/publications-icon/guidelines-for-contributors/>).

Please consider publishing your research in the annual journal! Language and other help is provided to everyone who submits if desired. Submissions and other queries should be sent to editor@icohtec.org. Detailed notes for contributors are available at <http://icohtec.org/publications-icon.html>.

III.2 Book Reviews Editor for ICON is sought

ICON is looking for a book reviews editor! We're looking for an enthusiastic and well-organized historian of technology who would like to take on this role. The book reviews editor invites reviewers for recent books in the history of technology and science that are provided by the publishers and manages the submission of the reviews, ultimately collecting all the reviews and forwarding them to the journal editor. The book reviews editor would start work immediately, managing reviews for the next issue of ICON, which will appear in early 2019. English language editing of the reviews will be carried out by the editor in chief of ICON. If you have an interest in the field and are willing to take on this job, we welcome submission of a short statement of interest (one paragraph) and a short CV (one page). A decision will be made by the end of July. ICOHTEC does not offer remuneration for work but a book reviews editor gets a lot of opportunities for networking. Send your proposal to present editor-in-chief, Hermione Giffard at editor@icohtec.org

Hermione Giffard

Editor of ICON

IV. OPEN SOURCES: TRANSVERSAL AND ACTA BALTICA

TRANSVERSAL

We are pleased to announce the launch of a new issue of "Transversal: International Journal for the Historiography of Science" with the dossier Georges Canguilhem and others papers.

<https://www.historiographyofscience.org/index.php/transversal/issue/view/9>

With my best wishes,

Mauro L. Condé, Universidade Federal de Minas Gerais – UFMG

ACTA BALTICA

I am glad to inform you that the Spring 2018 issue of Acta Baltica is now available online

at www.bahps.org/acta-baltica

With best wishes,

Peeter Mürsepp, Editor-in-Chief

V. BOOKS ON THE HISTORY OF SCIENCE AND TECHNOLOGY

BRAUN, HANS-JOACHIM (ED.): CREATIVITY: TECHNOLOGY AND MUSIC. IN COLLABORATION WITH SUSAN SCHMIDT HORNING. [STUDIEN ZUR TECHNIK-, WIRTSCHAFTS- UND SOZIALGESCHICHTE](#), 16. PETER-LANG VERLAG, FRANKFURT/M. U.A., 2016.

Creativity, by which something new, original, and valuable is formed, has positive connotations. This volume features essays on creative processes in technological invention, engineering design, architecture, music composition, improvisation, sound recording, authenticity in music, and computer music. They deal with significant present-day as well as with historical issues of creativity. They explore what creative processes in different domains have in common, to what extent cognitive science can shed light on them and how they can be modelled. Contrary to some approaches in creativity studies, the authors, if ever possible, try to avoid speculation and come to empirically valid conclusions.

SZABO, SACHA: AUSSERALLTÄGLICHE WELTEN. OKTOBERFEST, DISNEY LAND, COMPUTERSPIELE. SOZIOANALYSE DES VERGNÜGENS. BÜCHNER-VERLAG, MARBURG 2018.

The author compares visitor's experiences of the Oktoberfest in Munich, the Disney Lands, and of persons playing computer games. Szabo contributes fruitful to the field of playing with Technology.

VI. CALLS FOR PAPERS

Governing Environmental Change: Science Diplomacy and the Global Politics of Knowledge since the 19th Century

Organizers: Nadin Heé (FU Berlin), Mariko Jacoby (Max Planck Institute for the History of Science, Berlin), Sönke Kunkel (John F. Kennedy-Institute/FU Berlin), Simone Turchetti (University of Manchester).

Venue: Berlin, November 16-17, 2018

Deadline: **August 10, 2018**

Whether it's climate change, the conservation and management of natural resources, environmental pollution or the protection of wildlife and the biosphere – states and civil societies around the world today typically rely on scientific knowledge to counter the global environmental challenges of our times. Some governments have officially installed programs in “Science Diplomacy” to be able to cope with environmental change. Science organizations organize the transnational build-up of research capacities in fields such as the environmental sciences. And international organizations and transnational foundations, too, now widely promote international scientific collaboration and cooperation, claiming that such collaborations are essential for building a sustainable world.

However, as much as advocates of science diplomacy brand their efforts as new and unprecedented today, it should not be overlooked that they are in turn part of a longer history of transnational politics of knowledge exchanges and research collaborations that go back as far as the late nineteenth century. There is much research underway now on the various forms that those transnational politics of science have taken since then, and a number of works have already provided us with important insights into the mechanics of science diplomacy especially in the context of big science, nuclear physics, transatlantic relations, and the Cold War. On the other hand, there are only few works so far that go beyond Western Europe and connect the history of science diplomacy to global environmental history. We therefore still lack a deeper and more systematic understanding of the global trajectories of science diplomacy and the ways it responded to, was interrelated with, and shaped global environmental change since the nineteenth century.

Against this background, the goal of our workshop is to explore those interconnections in a global context. Questions we would like to address are: How did ideas on transnational and global environments evolve since the nineteenth century and how did they shape science diplomacy? How did governments, international organizations, and transnational actors promote and organize knowledge transfers and scientific collaborations across borders to address new environmental concerns? What were the motivations, goals, interests, expectations, and concepts behind such policies and how did those change over time? What agency did individual scientists and experts have in ‘doing science diplomacy’?

In addition, we are also interested in discussing more methodological and theoretical questions:

- What is and how can we conceptualize science diplomacy?
- How did different regional and cultural settings shape the course and conduct of science diplomacy?
- How do non-political forms of international research collaboration relate to science diplomacy?

- How do knowledge brokers and experts working outside a university setting fit into a history of science diplomacy?

Studying the intersections between science diplomacy and global environmental change, we believe not only opens up a new lens on the entanglements between foreign policy, science, technology, and the international community. It also opens up new perspectives on global environmental history: How did understandings of environmental challenges and problems change over the course of the twentieth century? What new forms and orders of environmental knowledge did scientists, researchers, and experts produce? How did such knowledge circulate globally, and how did it translate into new norms, policies, and practices of ecosystem management? When, where, and how was such knowledge contested?

We therefore invite contributions that address, but must not necessarily be limited to, the following issues:

- international organizations, nation-states, INGOs, and their global politics of knowledge
- science diplomacy, sustainability, biodiversity, and climate change
- environmental change, experts, development policy, and global knowledge transfers
- the globalizing of scientific disciplines and research fields, for example of oceanography and marine biology, forestry, meteorology, volcanology or seismology
- resource management
- natural disasters and disaster preparedness.

The workshop will take place in Berlin. Participants will be reimbursed for travel expenses and accommodation. Please note that we conceive of the workshop to be a ‘publication workshop’ that allows for in-depth discussion of individual papers and will result in a publication either with a well-established university press or a high-ranking journal in the field.

Scholars interested in participating in the workshop are asked to send an abstract (200 to 400 words, in English) and a short curriculum vitae to nadin.hee@fu-berlin.de and soenke.kunkel@fu-berlin.de before August 10, 2018.

In order to facilitate scholarly interchange, participants will circulate their papers before the workshop, and will give only very brief oral summaries. Final papers (6000 to 8000 words, fully footnoted) are due November 1 and will be available to workshop participants only. Inquiries can be made to the conveners via the following e-mail addresses: nadin.hee@fu-berlin.de; soenke.kunkel@fu-berlin.de; mjacoby@mpiwg-berlin.mpg.de; simone.turchetti@manchester.ac.uk.

A Future for New Australian Studies?

Workshop, Institute of Advanced Studies, The University of Western Australia
13-14 September 2018

In an age of postnationalism and globalisation, we find ourselves ever looking outwards. Lately, our questions are ‘all about depth, length, and global scope: world or planetary literature, deep time, cosmopolitanism, transnational perspectives, the Anthropocene’.ⁱ Yet the particular and specific also continue to hold an important place with politically-charged concepts such as devolution, localism and nationalism gaining increasing currency and informing policy.

As indicated by significant and growing investment – in centres, institutes, teaching, journals, exchanges, international research collaborations, infrastructural support (including the professional association, in ASA, journals, and institutional profiles), and the important international hubs of Australianist work in London, Tokyo, Dublin (and other centres in Europe), at Harvard, in India, and in 37 centres in Chinese universities – ‘Australian Studies’ is thriving globally. However, in local terms, its status as a program has fluctuated across Australian universities over the last decade.

Does this external focus on ‘Australia’ reflect an interest abroad that is not returned at home? Or does it raise important questions regarding supra-national frameworks, posing a challenge to imagine the future of Australian Studies from an Australian base? Additionally, where is Indigeneity in Australian Studies?

Given the high profile, varied and internationally recognised Australianist work at UWA across multiple disciplines, the university is ideally situated to lead an innovative network of ‘New’ Australian Studies. This will rejuvenate the Area within Australia and engages productively with the global network of Australian Studies, particularly within the Indo-Pacific region and with Asia more broadly. FABLE is a structure that supports a broader, multi-disciplinary approach to Australian Studies. Often omitted from national histories and overviews, a Western Australian perspective may offer fresh answers and commentary. This workshop addresses key questions about the intellectual relevance of ‘New Australian Studies’:

- What is ‘New Australian Studies’? What work does this national framework do within and beyond the academy – and what are its challenges?
- How is Indigeneity articulated with Australian Studies?
- What is Australian Studies in an age of transnational citizenship?
- What is the future of Asian/Chinese Australian connections, given the existing preponderance of Australian Studies Centres in Asia and especially China?
- What does Australian Studies look like from a Western Australian perspective?
- What perspective do these internationally-based centres take on Australian Studies and is it different to the potential local perspective?

This workshop will seek to consider the above questions in the context of navigating a way forward for New Australian Studies at UWA. It will be held on 13-14 September 2018 at the Institute of Advanced Studies, UWA. Abstracts are welcome until 15 July 2018 and prospective presenters will be asked to provide their final paper by 1 September 2018.

Outcomes:

- A (Virtual) Centre for New Australian Studies, aiming to break down disciplinary ‘silos’ and foster debate and research by leveraging the structure of UWA; identify and network across UWA; strengthen relevant research.
- Annual forum – producing an edited publication.
- Development of UWA’s reputation for impact in the Australian-focused policy environment.

Confirmed Speakers: Greg McCarthy (BHP Billiton Chair in Beijing/UWA Political Science), Ann Curthoys (History UWA), Lynette Russell (Director, Monash Indigenous Centre), Carmen Lawrence (UWA), Kent Anderson (UWA), David Gilchrist (UWA Business School), Len Collard (UWA).

Contact info: <http://www.ias.uwa.edu.au/contact>

VII. CALL FOR ARTICLES: TEKNIIKAN WAIHEITA

Technologies of war and security

We are looking for articles on the technologies of war and security to be published in Tekniikan Waiheita. Warfare is entangled with technologies such as weapons, fortifications, transport and maintenance systems to name but few. Evolution of warfare is tied to socio-technical change, industrialisation and social attitudes towards technology (Hecht, 2009, *The radiance of France*). Civil defense and economic reliability also become important during times of war. Yet not all innovations turn into solutions to expected threats nor does new technology always replace existing ones (Edgerton, 2008, *Shock of the old*; Harris, 1995, *Men, ideas and tanks*). When appropriations fail, improvisation and scarcity influence change.

Private and public war industries are essential participants in war. Many complex relationships tend to develop between industry and military authorities (Edgerton, 2006, *Warfare state*). Behind production loom science, research with developmental organizations, think tanks and laboratories (MacKenzie, 1990, *Inventing accuracy*). Traumatic experiences of weapons, machines of war and systems can be distilled into archetypical narratives of communal survival and meaning creation, while the role of technology in society becomes muddled. Technology also has a role in terror and reactions to it (Fridlund, 2011, *Buckets, bollards and bombs*).

The Finnish journal for the history of technology, Tekniikan Waiheita, opens a call for papers on a special issue for 2019 on the many roles technology in war and security. Contributions should engage with the wider field of history of technology while also engaging in novel interpretations on the history of war, military, industry, society and technology. Possible themes are:

- Development of war industry
- Failures and dead ends
- Gender, security and technologies of war
- Military personnel, improvisation and self-made technology
- Military support networks and systems
- Military thought and development of technology
- Military technology, emotions and experiences
- Military-industrial complexes in society
- Population protection technologies
- Science and technology
- Technology and culture in times of war
- Technology and terror
- Technopolitics of military institutions

Proposals of no more than 400 words are to be sent to the editor-in-chief, Aaro Sahari (aaro.sahari@gmail.com) by August 16th 2018. Accepted article proposals will go through a double blind peer review according to Federation of Finnish Learned Societies guidelines. Maximum length for articles is 10 000 words. Drafts are due by Feb 1st 2019 and the special issue will be published in August 2019. For further information, please contact the editor-in-chief.

Tekniikan Waiheita is the sole peer reviewed history of technology quarterly in the Nordic Countries. It is ranked level 1 on the Finnish academic Publication Forum. The journal is published by the Finnish Society for the History of Technology.

VIII. CONFERENCE ANNOUNCEMENTS

As first part of a Three-Year-Research Project on “From Craftsman to Engineer” the Centre Européen d’Études Japonaises d’Alsace (CEEJA) hereby announces a conference on

Generation and Dissemination of Technical Knowledge in Japan from Edo- to Meiji-Period

Organizer: Erich Pauer (CEEJA) and Suzuki Jun (University of Tokyo)

Keynote speakers: Hashimoto Takehiko (University of Tokyo) and Suzuki Jun (University of Tokyo)

Location: Centre Européen d’Études Japonaises d’Alsace (CEEJA), September 18 – 20, 2018

When considering Japan's industrialization, especially in the modernization debates between 1950 and 1980, particular institutions like capital formation, support and subsidies of the government, imports of foreign machines for the new industry, sending young students abroad, increased imports of Western knowledge etc. were put into the foreground. This view represents, roughly speaking, one of the two types of economic growth: growth based on more efficient markets and certain institutional conditions (Adam Smith, Douglas North). However, another concept of economic growth based on innovation and creative destruction (Schumpeter), has so far been mostly ignored for Japan. Moreover indigenous technical resources were hardly noticed. Corresponding investigations concerning e.g. the levels of (traditional, modern) technical knowledge and forms of technical education etc. are therefore lacking. The result is a view of Japan's industrial revolution, which in the field of technological development stresses the Western impact. The conference aims to fill this gap by focussing on how technical knowledge was generated, disseminated and applied during the transition period from a learning-by-doing handicraft-like education in the artisans' tradition in the Edo period to a more formalized technical education starting in the Bakumatsu-period (1850-1868) and being consolidated in the Meiji-period (1868-1912).

Program:

Tuesday, September 18th, 2018

09:30 Introduction: Erich PAUER (CEEJA): “What Makes it Tick?”

What Economists Thought on Generation, Dissemination and Application of Knowledge for Modernization of Societies and Countries (referring to Michael Polanyi and Joel Mokyr)

11:00 Keynote speech (Japan pre-modern)

HASHIMOTO Takehiko (University of Tokyo):

Tanaka Hisashige and His Myriad Year Clock: Its Technological Characteristics and Historical Background

14:00 Annick HORIUCHI (CRCAO, INALCO, Paris)

Production Techniques in Early Modern Japan: the Example of *Illustrated Encyclopedia of Famous Sea and Mountain Products of Japan* (*Nihon sankai meisan zue*; 1799)

15:00 Regine MATHIAS (CEEJA)

Knowledge on Mining and Smelting and its Dissemination in the Edo-Period

16:30 Erich PAUER (CEEJA)

Vehicles of Knowledge – Japanese Technical Books in the Pre-Modern-Era 1600 – 1868

17:30 Video on the „Myriad Year Clock“ (in Japanese)

Wednesday, September 19th, 2018

- 09:00 ITÔ Mamiko (Gakushuin University, Tokyo)
Curiosity and Knowledge: Exhibitions and Collections in Japan from 18th to 19th Century
- 10:00 Celine ZURETTI (CRCAO/Université Paris Diderot)
The Satsuma Domain's Project for a Set of Western Style Factories and its Flow of Technical Knowledge
- 11:30 Akiyo HERLEDANT-KUBO (INALCO, Paris)
Early Westernisation in the Exploitation of Animal Resources in Nagasaki
- 14:00 Keynote speech (Japan modern):
SUZUKI Jun (University of Tokyo):
Generation and Dissemination of the Boiler-making Technique (in Japanese with English subtitles)
- 15:00 Takahiro NISHIYAMA (University of Bonn, Germany)
François Léonce Verny and the Beginning of the Modern Technical Education in Japan
- 16:30 Round table discussion on a concept developed in recent years by economist Joel Mokyr, who suggests to explore whether there was a “market of ideas”, a creative “battle of wits” or more concrete a “battle of (technological) ideas” (in German “Ideenwettstreit”) that might have been instrumental in triggering a dynamic process in technological development. Is this idea also generally applicable for Japan?

Thursday, September 20th, 2018

- 09:00 Ruselle MEADE (Cardiff University, UK)
A new Language for a New Era: Translating *A Treatise on The Steam Engine* (1868) and the Creation of a New Technical Lexicon in Japanese
- 10:00 Aleksandra KOBILJSKI (CNRS, Paris)
Crafting Nature: Designing Coals for the Japanese Steel Industry, 1895-1911
- 11:30 Exhibition of technical and scientific books from Edo- and Meiji-Period in the *Edo-Bunko* in the CEEJA-Library
- 14:00 WADA Masanori (Mie University, Japan)
Social Motives of Two Higher Technical Schools in Tokyo and Osaka to attain University Status in 1929
- 15:00 Final Discussion: Perspectives on future research topics in the field discussed.

Organization: Centre Européen d'Études Japonaises d'Alsace (CEEJA), 8, route d'Ammerschwih, Kientzheim, 68240 Kaysersberg Vignoble, Alsace / France

With generous support: Toshiba International Foundation (Tokyo) and Département du Haut Rhin (Colmar)

Participation is free, registration necessary.

For more information please contact: Erich Pauer (CEEJA) e.pauer@ceeja-japon.com

IX. PROFESSIONAL DEVELOPMENT: THE ORAL HISTORY CENTER, UCB

Advanced Oral History Summer Institute

The Oral History Center (OHC) of the Bancroft Library at the University of California Berkeley offers its annual Advanced Oral History Summer Institute from August 6-10, 2018. More information is below. Please contact Shanna Farrell (sfarrell@library.berkeley.edu) with any questions.

About the Institute

The Oral History Center offers a one-week advanced institute on the methodology, theory, and practice of oral history. This will take place on the UC Berkeley campus at the Faculty Club from August 6-10, 2018.

The institute is designed for graduate students, postdoctoral fellows, university faculty, independent scholars, and museum and community-based historians interested in or engaged with oral history work. The institute aims to strengthen participants' abilities to conduct research-focused interviews and to consider special characteristics of interviews as historical evidence in a rigorous academic environment. We devote particular attention to how oral history interviews can broaden and deepen historical interpretation situated within contemporary discussions of history, subjectivity, memory, and memoir. [Apply here!](#)

Overview of the Week

The institute is structured around the **life cycle of an interview**. Each day focuses on a component of the interview, including foundational aspects of oral history, project conceptualization, the interview itself, analytic and interpretive strategies, and research presentation and dissemination. Sessions include oral history theory, legal and ethical issues, project planning, oral history and the audience, anatomy of an interview, editing, fundraising, analysis, and presentation. Participants also work throughout the week in small groups led by faculty in which they will **have the opportunity to workshop their projects**.

Participants are provided a resource packet that includes a reader, contact information for fellow participants, and word templates used by OHC at different stages throughout the interview process. These resources will be available electronically prior to the week, along with the schedule, and in hard copy upon check-in on the first day.

[Applications](#) and Cost

The cost of the institute is \$950. Unfortunately, we are unable to provide financial assistance to participants. OHC is a soft-money research office of the university and receives precious little state funding. Therefore, this educational initiative must be a self-funding program. **We encourage you to contact your home institutions about financial assistance;** in the past we have found that many institutions have budgets to help underwrite some of the costs associated with attendance. OHC will provide receipts and certificates of completion as required for reimbursement.

Meals and Accommodations

OHC provides continental breakfast each day, but participants must arrange most of their own meals separately. On-campus housing may be arranged through OHC. In addition to on-campus rooms, [this website suggests options for lodging in the Berkeley area](#).

We do provide some of your meals, including continental breakfast each day.

We are confident our summer program will help enrich your education and experience with oral history. We're proud of the scholars and practitioners we have assembled to make the 2018 Advanced Oral History Summer Institute a memorable one!

[Apply here!](#)

Questions?

Please contact Shanna Farrell at sfarrell@library.berkeley.edu with any questions.

X. JOBS, POSTDOCTORAL POSITIONS, AND RESEARCH FELLOWSHIPS

Australia

- [Lecturer/Senior Lecturer in the Science of Learning](#)
University of Melbourne Melbourne Graduate School of Education
- [Lecturer in Archaeology and Ancient History](#)
Monash University, School of Philosophical, Historical and International Studies
- [Professor Art History and Curatorship, Director Centre for Art History and Art Theory](#)
Australian National University, College of Arts and Social Sciences

Belgium

- [Doctoral student in Urban history](#)
University of Antwerp, Department of History, Faculty of Arts
- [Doctoral student in History of technology and material culture](#)
University of Antwerp, Department of History, Faculty of Arts
- [Doctoral student in History of consumption and material culture](#)
University of Antwerp, Department of History, Faculty of Arts

China

- [Head of Centre for English Language Education](#)
University of Nottingham Ningbo China

Denmark

- [Postdoctoral position in quantitative analysis of digital media](#)
University of Copenhagen, Department of Media, Cognition and Communication, Faculty of Humanities

Finland

- [Professor of Visual Culture and Artistic Practices](#)
Aalto University
- [Postdoctoral Researcher in Arts-based research with a special focus on societal change](#)
Aalto University School of Arts, Design and Architecture

Honduras

- [Profesor Asociado de Humanidades](#)
Zamorano University

Netherlands

- [Postdoctoral researcher 'Imagining the Rural in Contemporary Chinese Culture'](#)
University of Amsterdam, Faculty of Humanities – Department of Language and Literature

Singapore

- [Assistant or Associate Professor in Physical Geography](#) PRIORITY!
National Institute of Education

Sweden

- [1-2 Researcher in History](#)
Lund University, Humanities and Theology, Department of History

United Arab Emirates

- [Visiting Faculty Position in History](#)
American University of Sharjah, Department of International Studies
- [Adjunct Faculty Position in Middle Eastern History](#)
American University of Sharjah, Department of International Studies
- [Islamic Civilization Faculty](#)
Abu Dhabi University, Academic Programs for Military
- [Faculty in Arabic Language/Islamic Culture](#)
Abu Dhabi University, University College

United Kingdom

- [Associate Director of Academic Practice](#)
University of the West of England
- [Deputy Director \(Academic Practice Directorate\) and Head of Digital Learning](#)
University of the West of England
- [Postdoctoral Research Assistant - A Consolidated Library of Anglo-Saxon Poetry](#)
University of Oxford, Faculty of English Language and Literature
- [Research Associate \(Fixed Term\) in in the Centre of Islamic Studies](#)
University of Cambridge, HRH Prince Alwaleed Bin Talal Centre of Islamic Studies
- [Teaching Associate in Art History \(Fixed-term\)](#)
University of Nottingham, Department of Cultures, Film & Media
- [Assistant Professor in Art History/Visual Culture](#)
University of Nottingham, Department of Cultures, Film & Media
- [Lecturer in Digital Technologies, Communication and Education](#)
University of Manchester, Humanities
- [Shreeve Fellow in the History of Medicine](#)
University of Manchester, Humanities
- [Stipendiary Lecturership in Ancient History](#)
University of Oxford, Magdalen College

United States

- [Associate Professor of Education](#)
University of California Irvine, School of Education - Education
- [Lecturer in Department of English](#)
University of California Irvine, School of Humanities - English
- [Lecturers in Humanities Core Program 2018-2019](#)
University of California Irvine, School of Humanities - Humanities Core Course
- Institute for Advanced Study, School of Historical Studies - Opportunity for Scholars (Fellowship) - School of Historical Studies Membership
http://www.h-net.org/jobs/job_display.php?id=56670
- Stanford University - Oral History Program Assistant
http://www.h-net.org/jobs/job_display.php?id=56802
- University of Copenhagen - 211-0574 Professor of History of Science
http://www.h-net.org/jobs/job_display.php?id=56824
- University of Idaho - History-Lecturer or Visiting Assistant Professor
http://www.h-net.org/jobs/job_display.php?id=56883

The Fulbright Specialist Program (FSP)

Applications will open on 1st July

The Fulbright Specialist Program (FSP), part of the larger Fulbright Program, was established in 2001 by the U.S. Department of State, Bureau of Educational and Cultural Affairs. Applications for the Fulbright Specialist Program (FSP) will open on 1st July. The program is a field-driven initiative in which foreign host institutions conceptualise and design projects of interest within an eligible discipline that represent a priority for their respective organisations. These projects are then paired with a highly qualified U.S. academic or professional, who shares their expertise and assists with strengthening linkages between U.S. and foreign host institutions. Participating foreign host institutions benefit by:

- Gaining global perspectives from experienced U.S. academics and professionals;
- Executing projects that require a rapid response or flexible timeline through short-term, year-round exchanges; and
- Building sustained relationships with individuals and institutions in the U.S.

Australian institutions can apply for this grant to bring a U.S. expert in a particular field.

To learn more about this program, eligibility and timeline please visit:

<https://www.fulbright.org.au/scholarships/fulbright-specialist-program/>

Winners of FSP grants in the past two years include:

- Monash University
- Queensland University of Technology
- The University of Notre Dame Australia
- Macquarie University
- Commonwealth Scientific and Industrial Research Organisation
- The Australian National University
- James Cook University
- The University of Melbourne
- Australian Strategic Policy Institute
- The University of Adelaide
- Charles Darwin University
- Deakin University

Fundación Juanelo Turriano's PhD. grants, 2018-2019

The Fundación Juanelo Turriano offers two 14,400 euro grants for PhD. theses.

To qualify, they must deal with the history of science or technology proposals for research on architecture or hydraulic, civil or mechanical engineering will receive particular consideration.

The deadline for submitting applications is 17 September 2018.

See requirements and award criteria (in Spanish)

Registration form (in Spanish)

Master's Program in "History, Economics, and Philosophy of Science" at Bielefeld University

The two-year master's program „History, Economics, and Philosophy of Science“ (HEPS) at Bielefeld University, Germany, provides an interdisciplinary access to the study of science. The program places emphasis on the epistemic mechanisms and economic incentives involved in the

production of knowledge under changing historical conditions. The joint focus of all three disciplinary approaches, and a topical area of fruitful interaction, is the relations between science and society. HEPS is offered with an International Track with a core curriculum of English-language classes. German language skills are not required for completing the program (and only need to be proven at the level of B1 upon receiving the degree). Opportunities for learning German are provided. No tuition fees are charged (only obligatory dues for various services). A HEPS degree paves the way toward a PhD in the history, philosophy, or economics of science and may thus be the opening move to a career in academia. However, expertise in scientific method, scientific knowledge gain, historical changes in the sciences, interactions between science and society, and science management is also appreciated by potential employers such as university administrations, foundations, or ministries. The program is hosted by the *Institute of Interdisciplinary Studies of Science (I²SoS)* which provides a forum for various interdisciplinary and international research activities. HEPS students benefit from the open and international atmosphere of the Institute. If you feel attracted to doing science studies in such an interdisciplinary and international framework, visit our website at <http://www.uni-bielefeld.de/izsos/heps/international/index.html> or contact us at hepsinfo@uni-bielefeld.de. The program regularly starts in the winter term (but starting in the summer term in April is also possible).

Applications require a copy of your BA degree, your CV, a letter of motivation explaining your reasons for being interested in the program, and a proof of your B2 level in English (for non-German students whose native language is not English). Deadline for international applications is July 15 (or January 15 for a start in the summer term).

Information about the application process is available at: <http://www.uni-bielefeld.de/izsos/heps/international/application.html>; <http://www.uni-bielefeld.de/izsos/heps/bewerbung.html>. The application portal is accessible at <https://movein-uni-bielefeld.moveonnet.eu/movein/portal/studyportal.php>

Martin Carrier
Institute for Interdisciplinary Studies of Science
Bielefeld University

XI. 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.