

### Electromagnetic Teleclinometer

Manufactured by the French petroleum and gas service company Schlumberger since 1932, the electromagnetic teleclinometer was conceived to determine the angle of inclination of the axis of a drill hole in relation to the vertical and the azimuth (of this inclination) and referring to the magnetic North. The device was able to give the angle and the azimuth of the inclination simultaneously. The cylindrical watertight case (right) contains the induction compass, the electric motor, the magnetized pendulum, cables, and insulated conductors.

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

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## I. ICOHTEC

### I.1 ICOHTEC 47<sup>TH</sup> SYMPOSIUM, EINDHOVEN 2020 - CALL FOR PAPERS

# A History of Technology for an Age of Crisis

The International Committee for the History of Technology's 47<sup>th</sup> Symposium in Eindhoven, the Netherlands, 13 – 18 July 2020, Eindhoven University of Technology, TU/e

**Deadline for proposals is Sunday, 5 January 2020**

**<https://icohtec2020eindhoven.org/>**

Technology and crisis are linked in multiple and paradoxical ways: although technological developments have precipitated many crises, technology has just as often been proposed as a proper way out. Resistance against new technologies (such as the 19<sup>th</sup> century Luddite movement or the 20<sup>th</sup> century anti-nuclear movement), subversive uses of mainstream technological solutions, and some instances of user-innovation and appropriation can be studied as indications of crisis as well as strategies to cope with crisis. In general, members of industrialized societies seem to have a very strong belief in technology and innovation as key to manage and solve crises: in case of the long lasting crisis of the 19<sup>th</sup> century, labeled the “Social Question”, there was demand for new technologies solving social problems as well as those of industrial health and safety. Although the expression is linked to 19<sup>th</sup> century, the Social Question is on display until today – now combined with the Environmental Crisis.

Politics mirror the paradoxical relation of technology and crisis: although democratic and authoritarian regimes, and political parties of very different stripes, might disagree fundamentally about the causes and nature of crises and the issues at stake, they have often converged in favoring technological solutions to major societal challenges. Attempts to deal with the Environmental Crisis (which is largely technology-made in the sense that anthropogenic climate change, biodiversity loss, and resource depletion followed the expansion of the human-built world) seems to follow a similar path: technological fixes are discussed, ranging from renewable energy, AI-based efficiency, sensor technologies, electric cars, smart homes, and other 'sustainable', 'responsible' or 'smart' innovations. Such approaches often sidelined non-tech solutions such as zero-growth. It remains an open question whether technology will provide solutions.

This raises the question if and how historians of technology should engage with present-day debates on the ambivalent roles of technology in today's global crisis—the so-called grand challenges to humanity, society, and the environment. The paradox of crisis and technology rises questions such as:

- In which way have crises influenced technological change, and conversely, how have technologies shaped crises?
- What's the role of technology to predict, avoid, or manage crises?
- How can we study the geography of crisis, taking into account transnational and (post)colonial relationships and global North-South interactions?
- In which way did different societies and societal groups cope with technology-related crises?
- How has the historic pursuit of innovation by technology companies and designers contributed to the creation of technological crises?
- What role(s) did protests and resistance against technology play in avoiding or managing technology-related problems or crises?

- How have media representations shaped narratives of technological crises and/or technological redemption?
- Do crises “reveal” how deeply technology is embedded in society?
- What (and whose) histories do the imaginaries and historiographies of technological crises highlight and obscure?

We invite sending in paper- and session proposals on technology & crisis for a broad range of historical periods, geographies, and crisis domains—including political conflicts, social and civil rights, colonial practices, health epidemics and health care, economic depressions, environmental disasters, and so on, along with the crises of collective identity that are often related to both technological crises and technological solutions. Contributions which examine the correlations of crisis and technology are welcome, as are case studies of specific technologically-related crises, and presentations which explore the implications and interconnections of technological crisis in media representation, art, and legislation for example. In Eindhoven, ICOHTEC will organize the usual Summer School on the same subject before the Symposium. Detailed information on the program, instructors, and travel grant in aid will be released soon. Beside contributions to the main theme of the symposium, paper and session proposals on different topics of the history of technology are welcome.

### **Proposal Guidelines**

The symposium welcomes scholarship on all periods of history and all areas of the globe, especially contributions from beyond Europe and the United States, and presentations on regions that have been less extensively covered by historians of technology. In keeping with a cherished tradition of the field, the meeting is open to scholars from all disciplines and backgrounds. The conference language is English. Although we invite to submit individual papers as well, priority will be given to proposals of whole sessions.

#### INDIVIDUAL PAPER proposals must include:

- (1) a 300-word (maximum) abstract and
- (2) a one-page (maximum) CV.

Abstracts should include the author’s name and email address, a short descriptive title, three to five key words, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions. If you are submitting a paper proposal dealing with a particular subtheme in this CfP, please indicate this in your proposal. In preparing your paper, remember that presentations are not full-length articles. You will have no more than 20 minutes to speak, which is roughly equivalent to 8 double-spaced typed pages. For more suggestions about preparing your conference presentation, please consult the guidelines at the conference website <http://www.icohtec.org/w-annual-meeting/proposal-guidelines/>. Contributors are encouraged to submit full-length versions of their papers after the conference for consideration by ICOHTEC’s peer-reviewed journal *ICON*.

#### PANEL proposals must include:

- (1) an abstract of the panel (300 words maximum), listing the proposed papers and a session chairperson;
- (2) an abstract for each paper (300 words maximum);
- (3) a one-page CV (maximum) for each contributor and chairperson.

Panels should consist of three or four speakers. Several panels may be organized on one topic. We encourage creating panels which examine history of technology in different parts of the world, enabling international comparisons, and contributing to an emerging transnational historiography. Please note, the programme committee reserves the right to make adjustments to proposed panels, relocating papers to different themes and/or adding papers to panels, as required.

**ICOHTEC webmaster designed two new tools to announce calls for panelists and to find interesting sessions; please visit:** <http://www.icohtec.org/forums/forum/find-your-panelists/> and <https://docs.google.com/document/d/1ldKBmBmMzr5lCyuwVnBZ-zSOWqx7kqOerglNxauqMwk/edit>

POSTER proposals must include:

- (1) a 300-word (maximum) abstract; and
- (2) a one-page CV.

Abstracts should include the author's name and email address, a short descriptive title, a concise statement of the thesis, a brief discussion of the sources, and a summary of the major conclusions.

The programme committee also encourages submission of ALTERNATIVE FORMATS for sessions: round tables, the presentation of an important book or film, etc. If you wish to submit a proposal for a session in an alternative format, please contact the Chair of the Program Committee, Stefan Poser, [stefan.poser@kit.edu](mailto:stefan.poser@kit.edu). Please consider joining ICOHTEC. **Members of ICOHTEC pay reduced conference fees.** Additional benefits of membership and subscription information can be found at <http://www.icohtec.org/a-homepage-section/join-or-renew-icohtec/>

### **Proposal submissions**

The final deadline for all submissions is **Sunday 5 January 2020**.

Instructions on submissions can be found on our website: <http://www.icohtec.org/>. Please submit your session, individual paper, or poster, online: <http://www.icohtec.org/w-annual-meeting/eindhoven-2020/> The submission form will guide you through the submission process. If questions arise, please consult the pdf document 'Technical instructions', which can be found on the opening page of the submission form and downloaded.

### **The Program Committee**

Stefan Poser GE (Chair) [stefan.poser@kit.edu](mailto:stefan.poser@kit.edu)

Francesco Gerali IT

Jan Hadlaw CA

Stefan Krebs LUX

Jacopo Pessina IT

Thomas Schütz GE

Kamna Tiwary IND

Erik van der Vleuten NL

Artemis Yagou GE/GR

Magdalena Zdrodowska PL

## Giants and Dwarfs in Science, Technology and Medicine

The International Committee for the History of Technology will hold its 48th symposium as part of the 26th International Congress of the History of Science and Technology in Prague, Czech Republic, 25 – 31 July 2021 (ICHST) <https://www.ichst2021.org/>

**Deadline for proposals is 10 January 2020**

The general theme of the Congress is “**Giants and Dwarfs in Science, Technology and Medicine**” and ICOHTEC encourages proposals for sessions dealing with the history of technology within this broad framework. The programme committee offers the following sub-themes for the consideration of session organizers and contributors, but welcomes proposals on a wide spectrum of topics related to the general Congress theme in the context of history of technology.

1. Gender and Technological Systems
2. Class, Poverty, and Technology
3. Technology Usage by Minorities and Small States in a Global World
4. Migration and Transportation
5. Maintaining Technological Systems, Large and Small
6. Politics, Protest, and Big Technology
7. Technological Teams
8. Global Military Technologies and Societies
9. Art and Play – Technologies and Protest
10. Environmental Change and Energy Systems
11. Assistive Technologies and (Dis)ability Studies
12. Sustainability and Economies of Scale
13. Traditional Engineering and new IT Technologies
14. Workers in Post-industrial Society
15. Medical Technologies

We urge contributors to organize a **full session** of three papers, or multiple related sessions of three papers each, with a named chair for each session. Session organizers should reflect diversity and, consistent with the diversity of this international conference ICHST has asked that there be **two organizers from different countries for each session**. Individual paper submissions may be considered if deemed appropriate, but **full sessions are strongly preferred and will be given priority**. The programme committee encourages the organizers of sessions to announce their plans to compile sessions and communicate with potential collaborators through H-NET and other networks such as social media. ICOHTEC offers to publish an organizer’s call for an ICOHTEC session on our conference page (send them directly to [s.lotysz@gmail.com](mailto:s.lotysz@gmail.com)). Calls concerning any topic of HoT are welcome. It is also possible to propose sessions unrelated to the general Congress theme. We especially encourage graduate students and early career researchers to participate in the symposium and submit their proposals. Limited travel grants will be available; for further information go to: <http://www.icohtec.org>.

**SESSION** proposals must include: (1) an abstract of the session (350 words maximum), listing the proposed papers (see individual paper proposal guidelines below), the **two organizers from different countries** and the chairperson; (2) abstracts for each paper (250 words maximum); (3) a **one-page CV (maximum)** for each contributor and chairperson. Sessions should consist of at least one set of presentations (90 minutes time slot) and they may include three or four papers in each, which might extend to a series of successive sections over more than one day. Each individual section should have a chairperson. Proposing a commentator – instead of the fourth presenter – is also possible. The programme committee reserves the right to relocate papers to different themes and add papers to sessions. We also encourage proposing roundtables and other “new” as well as innovative, experimental session formats. Whatever the session format will be, organizers and chairs are expected to reserve enough time for general discussion between the presenters and audience. Individual paper abstracts should include the author’s name and email address, a short informative title of the paper, a concise statement of the thesis, a brief discussion of the sources, and a summary of expected conclusions. In preparing your paper, remember that presentations are not full-length articles. You will have no more than 15-20 minutes speaking time, which is roughly equivalent to 6-8 double-spaced typed pages. Contributors are encouraged to submit full-length versions of their papers after the congress for consideration by ICOHTEC’s journal *ICON*. If you are submitting an independent paper proposal dealing with a particular sub-theme, please indicate this in your proposal.

**ICOHTEC webmaster designed two new tools to announce calls for panelists and to find interesting sessions; please visit:** <http://www.icohtec.org/forums/forum/find-your-panelists/> and <https://docs.google.com/document/d/1ldKBmBmMzr5lCyuwVnBZ-zSOWqx7kqOergINxauqMwk/edit>

#### **PROPOSAL SUBMISSIONS**

Submit all session and individual paper proposals to: [www.prague2021.icohtec.org](http://www.prague2021.icohtec.org).

The final deadline for all submissions is **Friday 10 January 2020**. Please check updated instructions on submissions at our website: <http://www.icohtec.org/>. Please pay close attention to the instructions, particularly the word length of submitted documents. **Please note that this date is only 5 days later than the submission date for the 2020 ICOHTEC Eindhoven proposals. Because of the complex nature of organizing so large a meeting, this call for papers has an unusually early deadline.**

#### **PROGRAMME COMMITTEE:**

Susan Schmidt Horning, Chair (USA)

Florian Bettel (Austria)

Roberto Cantoni (Spain)

Jiri Janac (Czech Republic)

Fanxiang Min (China)

Peeter Mürsepp (Estonia)

Jan Musekamp (USA)

Jaroslav Svelach (Czech Republic)

Ewelina Twardoch (Poland)

Ruth Schwartz Cowan (USA)

### I.3 TURRIANO ICOHTEC PRIZE - 2020 CALL FOR APPLICATIONS

The Turriano ICOHTEC Prize is an Early Career Prize for Books on the history of technology, sponsored by the [Juanelo Turriano Foundation](#) and consists of 2,500 Euro. The prize-winning book will be presented and discussed at a special session of the next ICOHTEC symposium, in Eindhoven, The Netherlands, from 13-18 July 2020. 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 in the early parts of their career. Articles and edited anthologies are not eligible. If the work is a Ph.D. thesis, it should have been accepted by your university in 2018 or 2019; if it is a published work, the year of publication should be 2018 or 2019. For the ICOHTEC Prize 2020, please send an electronic copy (PDF or Word) of the work you wish to be considered for the prize to each of the four Prize Committee members. (Note: Hard copies are only accepted for published works not available electronically.)

**Your submission must be emailed no later than Friday, 1 February 2020.** Please also include an abstract of no more than a half-page in length. If your book is in Spanish or Russian, please also supply a summary in English, French or German of about 4,500 words. In that case, the prize committee will find additional members, who are familiar with the language in which your book is written. The submission should be accompanied by a CV (indicating also the date of birth) and, if applicable, a list of publications. Applicants are free to add references or reviews of the work submitted. Any materials sent to the prize committee will not be returned. Send a complete application by email to each of the following **Prize Committee members**:

**Prof. Ernst Homburg** , Prize Committee Chairperson

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**I.4 MAURICE DAUMAS PRIZE - 2020 CALL FOR APPLICATIONS**

The Maurice Daumas Prize for papers on the history of technology is sponsored by the [Université de Technologie de Belfort-Montbéliard](#) (UTBM), France, and consists of 500 Euro. Each year the prize-winning article is presented and discussed at a special session of the ICOHTEC symposium immediately following the award. An additional 300 Euro is available to the winner in support of traveling to the conference to receive the prize. The prize 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 last two consequent years. 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.

**Call for submissions 2020**

ICOHTEC, welcomes submissions for the *Maurice Daumas Prize* for 2020. Eligible for the prize are original articles published in 2018 or 2019. 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 2020**. **Electronic submissions are preferred**. The winner will be contacted in late April 2020. The prize will be awarded at our 47<sup>th</sup> Symposium, to be held in Eindhoven, The Netherlands, in summer 2020 (13-17 July). The winner will receive a cash prize of Euro 500 as well as a travel grant up to 300 Euro (if needed) to attend the ICOHTEC Symposium, which will feature a special panel organized around the winning article.

**PRIZE COMMITTEE**

**Maria Elvira Callapez**, PI. Dr., [Prize Committee Chairperson],  
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## **II. EXHIBITS: IMAGING WOMEN IN THE SPACE AGE: EXTENDED**

### ***Imaging Women in the Space Age***

#### **New Art Exhibition on View at the New York Hall of Science**

**July 13, 2019– March 29, 2020**

Exhibit Curator Julie Wosk, Professor Emerita, State University of New York,

Maritime College, Queens, NY. [jwosk@sunymaritime.edu](mailto:jwosk@sunymaritime.edu)

<https://nysci.org/imaging-women-in-the-space-age/>

Dr. Julie Wosk, Professor Emerita at SUNY Maritime College in Throggs Neck, NY reports that her exhibit “Imaging Women in the Space Age” at the New York Hall of Science in Queens, NY has now been extended until **March 29, 2020**. After that, it will be available to travel. She has also written an essay on this topic which will appear in an upcoming book on the cultural and political impact of the Apollo 11 lunar landing. For further information about the exhibit contact [jwosk@sunymaritime.edu](mailto:jwosk@sunymaritime.edu)

July 2019 marks the 50th anniversary of the Apollo 11 lunar landing, and to help celebrate, the New York Hall of Science (NYSCI) is presenting a new exhibition *Imaging Women in the Space Age*, curated by Dr. Julie Wosk, Professor Emerita at SUNY Maritime College and author of *Women and the Machine*. The exhibit runs from July 13 – November 3, 2019. The exhibition showcases the achievements of America’s pioneering female astronauts and highlights the fascination with space women in movies, television, advertising, fashion design and today’s toys. From the earliest moon goddesses to today’s galactic fashions, visions of females in space have sparked the creative imagination. On display in the museum’s gallery are vintage and current images of female space

travelers in television shows like *Lost in Space* and *Star Trek*, photographs of space-inspired fashions including Pucci's designs for Braniff Airlines flight attendants and Chanel's 2017 futuristic dresses, and screenshots from films like *barbarella*, which starred Jane Fonda and *Gravity*, which starred Sandra Bullock. The exhibition reminds us of the groundbreaking achievements of pioneering astronauts with photographs of Sally Ride, America's first woman in space, Mae Jemison, America's first African-American female astronaut, and Ellen Ochoa, America's first Hispanic woman to go into space. Also on view are photographs of astronaut Dr. Ellen K. Baker, who grew up in New York City and is the daughter of former Queens Borough President Claire Shulman. The exhibition also reflects a world where important changes are underway as more and more women are participating in NASA's space program as astronauts and as aeronautical engineers. It reveals innovative new developments in space suits specifically designed for women. *Imaging Women in the Space Age* is part of the museum's Space Out Summer, a season filled with flight and space-themed exhibits, workshops, demonstrations, installations and a new film, all to celebrate the 50th anniversary of the Apollo 11 mission.

**Further Contact:** Mary Record, New York Hall of Science, [mrecord@nysci.org](mailto:mrecord@nysci.org), 718-595-9123

### III. OPEN SOURCES

#### **New issue of HoST — *Journal of History of Science and Technology* (13.2, December 2019) online**

*HoST — Journal of History of Science and Technology* is a peer-reviewed open access journal, available online, published in English by De Gruyter/Sciendo, as a result of a partnership between four Portuguese research units (CIUHCT, CIDEHUS, Institute for Social Sciences, and Institute of Contemporary History).

#### [TABLE OF CONTENTS OF VOLUME 13.2](#)

- Special issue "Animals, Science and Technology: multispecies histories of scientific and sociotechnical knowledge-practices", with an introduction by the Guest Editor Richie Nimmo to the five articles that it contains. They are case studies dealing with nonhuman animals and their relationships with science and technology and humans, with approaches ranging from history (HSTM) to sociology (animal studies and STS). The special issue ends with a postscript:
  - "[Introduction: Taking animals seriously in studies of science and technology](#)", Richie Nimmo
  - "[Elemental problems, methodical solutions: expertise, ecology and entertainment in the study of marine mammals](#)", Amanda Rees
  - "[The Silver Spring monkey controversy: changing cultures of care in twentieth-century laboratory animal research](#)", Robert G. W. Kirk
  - "[Measuring ephemera: finding the “qualitative” in Qualitative Behaviour Assessment as a “whole-animal” science of animal welfare](#)", Maisie Tomlinson
  - "[The Social Evolving: Sociogenomics on the Wings of Social Insects](#)", Sainath Suryanarayanan
  - "[Biopolitics and Becoming in Animal-Technology Assemblages](#)", Richie Nimmo
  - "[Postscript. Fur, feather, teeth and skin: How do technologies and ontologies meet in time and space?](#)", Lindsay Hamilton

- A "work in progress" by the PhD candidate Hugo Soares about his ongoing work "[The National Institute for Scientific Research \(INIC\): Pathway and Influence in Portuguese Science Policy \(1976-1992\)](#)"
- Three book reviews
  - "[Book Review: Audra Wolfe. Freedom's Laboratory: The Cold War Struggle for the Soul of Science](#)", Clara Florensa
  - "[Book Review: Álvaro Girón, Oliver Hochadel, and Gustavo Vallejo \(eds.\). Saberes transatlánticos. Barcelona y Buenos Aires: conexiones, confluencias, comparaciones \(1850–1940\)](#)", Antonio Carbone
  - "[Book Review: Hugh Cagle. Assembling the Tropics: Science and Medicine in Portugal's Empire, 1450–1700](#)", Luís Tirapicos

The Fall 2019 issue of *Acta Baltica Historiae et Philosophiae Scientiarum* is now available online at [www.bahps.org/acta-baltica](http://www.bahps.org/acta-baltica).

This issue features:

#### **Articles**

[Peeter Mürsepp, Gulzhikhan Nurysheva, Akmaral Syrgakbayeva, Raushan Sartayeva. Critical Contextual Empiricism as a Version of Pluralist Realism.](#)

[Diego Pérez Lasserre. Determining and Reflective Judgments: Two Approaches to Understanding Legal Decisions.](#)

[Zoltán Grünhut. Reflexive Europe and the Era of Late Modernity.](#)

[Heldur Sander. The Life and Activities of Professor Gottfried Albrecht Germann, the First Natural History Professor at the University of Tartu.](#)

[Maryna Gutnyk, Elena Tverytnykova, Volodymyr Sklyar. Commercialization of Scientific Activity at a Higher Technical School of East Ukraine in the Late 19th and Early 20th Century.](#)

#### **Short Communications**

[Ruslan Klymenko. Artificial Evolution in Transhumanism.](#)

[Pirimbek Suleimenov. The Philosophical Basis of Al-Farabi's Concept of 'Virtuous City'.](#)

[Alida Zigmunde, Ilze Gudro. In Memoriam: Ivars Knēts \(1938–2019\).](#)

[Alida Zigmunde, Airisa Šteinberga. In Memoriam: Ilgars Grosvalds \(1927–2019\).](#)

#### **Book Reviews**

[Raul Veede. Tohvri, Epi. Georges Frédéric Parrot: Tartu Keiserliku Ülikooli esimene rektor \[Georges Frédéric Parrot: the First Rector of the Imperial University of Tartu\], Tartu: Tartu Ülikooli Kirjastus, 2019, ISBN 9789949031436, 1072pp.](#)

## IV. PRIZES

[History of the Human Sciences](#) – the international journal of peer-reviewed research, which provides the leading forum for work in the social sciences, humanities, human psychology and biology that reflexively examines its own historical origins and interdisciplinary influences – is delighted to announce its new annual prize for early career scholars. The intention of the award is to recognise a researcher whose work best represents the [journal's aim](#) to critically examine traditional assumptions and preoccupations about human beings, their societies and their histories in light of developments that cut across disciplinary boundaries. In the pursuit of these goals, *History of the Human Sciences* publishes traditional humanistic studies as well work in the social sciences, including the fields of sociology, psychology, political science, the history and philosophy of science, anthropology, classical studies, and literary theory. Scholars working in any of these fields are encouraged to apply.

Scholars of any nationality who have either not yet been awarded a PhD or are no more than five years from its award are welcome to submit entries. The judging panel will use the definition of “active years”, with time away from academia for parental leave, health problems, or other relevant reasons not counting towards the definition of eligibility. The winner of the prize will be awarded £250 and have their essay published in *History of the Human Sciences*.

Scholars who wish to be considered for the award are asked to submit an up-to-date CV (a maximum of two pages in length and including a statement that confirms eligibility for the award) and an essay, based on original research, that is a maximum of 12,000 words long (including footnotes and references) to [hhs@histhum.com](mailto:hhs@histhum.com) by **31<sup>st</sup> January 2020**. For more details about the award, including submission guidelines, please see the full call for entries on [History of the Human Science's website](#).

### García-Diego International Prize

The Fundación Juanelo Turriano announces the 10th edition of its García-Diego International Prize, worth 12,000 euros, for research in any of the branches of the history of technology. The prize is open to any individual or group submitting an original, unpublished paper in Spanish. The deadline for submissions is **20 January 2020**. [See rules \(In Spanish\)](#)

## V. CONFERENCES, SEMINARS AND WORKSHOPS ANNOUNCEMENTS

### Third Workshop on Scientific Archives / European XFEL, Hamburg, DE / 30 June-1 July 2020

Proposals are now being accepted for the Third Workshop on Scientific Archives,  
([https://www.xfel.eu/index\\_eng.html](https://www.xfel.eu/index_eng.html))

Proposed topics include (but are not limited to):

- ✦ Collaborating with scientists to capture contemporary scientific material
- ✦ Using scientific archives for outreach and education
- ✦ Using and re-using archival resources in current science
- ✦ Enabling access to scientific records
- ✦ Describing technical and scientific archives
- ✦ Managing and archiving research data

- ✦ Exploring the role of archives and records in open science
- ✦ Capturing diversity in institutional archives
- ✦ Scientific archives in a "post-truth" world
- ✦ Diversity and inclusion in STEM // Diversity and inclusion in archives

Papers are to be 20 minutes. Please submit a 400-word abstract using the following form

by **Friday 31 January 2020**: <http://tiny.cc/e888cz>

More information can be found at: <https://www.embl.de/aboutus/archive/working-with-scientific-archives/workshop/>. Organized by the Committee on the Archives of Science and Technology (<https://www.ica.org/en/committees>) of the International Council on Archives, Section on University and Research Institution Archives (<https://www.ica.org/en/suv>)

### **Manchester CHSTM Research Seminars 2020**

This is to present the speakers for the upcoming seminar series at the Centre for the History of Science, Technology, and Medicine (CHSTM), University of Manchester. Please find the programme for the 2019–20 academic year below. CHSTM seminars will be held fortnightly on **Tuesdays at 4pm** in **2.57 Simon Building**, with tea and biscuits from 3.30 pm – unless otherwise indicated. All are welcome! Please pass this on to interested colleagues/students. If you have any questions, please direct them to myself, Tom Quick ([thomas.quick@manchester.ac.uk](mailto:thomas.quick@manchester.ac.uk)) or Pratik Chakrabarti ([Pratik.chakrabarti@manchester.ac.uk](mailto:Pratik.chakrabarti@manchester.ac.uk)).

#### **Calendar of the Seminars**

28 January, **Vanessa Heggie** (University of Birmingham). *Higher and colder: A history of extreme physiology and exploration*

11 February – **7 pm, venue TBC** – Joint event with the Manchester Museum. **Angela Saini** (writer & journalist). *The return of race science*

25 February, **Beatriz Pichel** (De Montford University). *Photography and the making of modern medicine in France, 1860–1914*

10 March, **Laura Tisdall** (Queen Mary's, University of London). *'Just a stage I'm going through': Lesbian and gay adolescents, developmental psychology, and psychoanalysis in Britain, c. 1950–1990*

24 March, **Caitjan Gainty** (King's College, London). *Healthy skepticism*

21 April, **Sarah Marks** (Birkbeck, University of London). *'Brainwashing for benevolent purposes'? Historical reflections on behavioural therapy from the Cold War to CBT*

5 May, **Cornelius Borck** (University of Lübeck). *Changing approaches to visualization in brain research: A case study based on the Max-Planck Society*

## VI. CALL FOR MANUSCRIPTS

### *Inquiry. An Interdisciplinary Journal of Philosophy*

#### **Special Issue: “Foundational Issues in Conceptual Engineering”**

Guest Editors: Manuel Gustavo Isaac (University of Barcelona) & Steffen Koch (Ruhr University Bochum). Invited Contributors: Catarina Dutilh Novaes (Vrije Universiteit Amsterdam), Édouard Machery (University of Pittsburgh), Amie Thomasson (Dartmouth College). This special issue (S.I.) is dedicated to one of contemporary’s hottest topics in metaphilosophy — conceptual engineering.

Conceptual engineering is a method which aims at improving, rather than just describing, the representational tools we use in theoretical or practical contexts. More specifically, the S.I. aims to foster discussions about the theoretical foundations of conceptual engineering. What kind of objects does conceptual engineering operate on? What does it mean to ‘engineer’ them? And is the popular metaphor of ‘engineering’ concepts even appropriate? Naturally, how one answers these questions depends on one’s prior theoretical commitments. The S.I. thus provides a platform for explicating crucial foundational issues in conceptual engineering. The topic of the special issue is how the method of conceptual engineering should generally be construed; in particular, we are less interested in specific suggestions for how to ameliorate this or that concept. Viable topics thus include, among others: What is the relevance of metasemantic theorizing to conceptual engineering? How does conceptual engineering look like from an internalist/externalist perspective? Does conceptual engineering operate on an individual or a communal level? How are the two connected? Does conceptual engineering operate on mental or linguistic objects? Again, how are the two connected? How should we construe the goals of conceptual engineers? What is a good method to achieve these goals? How does conceptual engineering relate to other philosophical methods? Is conceptual engineering even feasible? Papers should be prepared for anonymous review, no longer than 8,000 words, and submitted via <https://mc.manuscriptcentral.com/inquiry>. **The deadline is January 31, 2020.** For further information, please contact: Manuel Gustavo Isaac, [isaac.manuelgustavo@gmail.com](mailto:isaac.manuelgustavo@gmail.com) and Steffen Koch, [steffen.koch@rub.de](mailto:steffen.koch@rub.de).

#### **Vision Loss through Many Lenses: Insights from Myth, Media, Music, Medicine & More**

While vision loss directly concerns medical and mental health professions, this theme also attracts the attention of artists and scholars from many disciplines. This collection falls under the rubric of "medical humanities" and includes essays on vision loss or blindness in visual arts, literature, music, comics, film, myth, history, religion, philosophy, sociology and more—but it does not include medical or mental health issues per se. Some topics are already accounted for but open topics include memoirs by persons who lost their vision; masculinity in blind samurai warrior series; blindness as a metaphor for color-blindness in Civil Rights era films; music by and about blind persons; why groups such as Blind Boys of Alabama proliferated in Southern U.S.A.; disability debates invoked by Oliver Sack's *Island of the Colorblind*; dance by or about persons w/ visual loss; portrayals of vision-impaired females in film; poetry by or about vision-impaired persons; Catholic/Protestant/Hindu/Muslim/Jewish attitudes toward vision loss; healing shrines and patron saints and miracle cures for vision loss; East Asian attitudes toward vision loss; philosophical

debates about blindness and cognition; etc. We are open to other innovation ideas. If you are uncertain if your topic is still available, pl send a short 1-2 sentence query plus a short bio. Otherwise, plsend a short precis of 200-400 words along with a short bio &/or resume. Abstracts due 12-15-19. Papers of 3,000-4,000 words (w/ 5-15 citations) in University Chicago style due **June 1, 2020** (first draft). Final drafts due August 30, 2020. Remuneration includes 1 book/essay. This essay collection is already in contract with a respected academic publisher.

Contact Info: [drsharonpackermd@gmail.com](mailto:drsharonpackermd@gmail.com), add VISION LOSS through MANY LENSES in subject.

## VII. CALLS FOR PAPERS

### ***Tools to Generate or to Solve Crises? History and Perspectives of the Development of Robots and Artificial Intelligence***

#### **Session of the 47<sup>th</sup> Symposium of the International Committee for the History of Technology, ICOHTEC, in Eindhoven, The Netherlands 13-19 July 2020**

Robots and AI were inaugurated as playthings and highlights of exhibitions. They are employed in production industries since the 1960s and meanwhile they are on the way playing an important role in service industries, too. Nowadays there is an intensive and controversial discussion on societal impacts of this development. In fact, this discussion has a quite long history, but now we might live in a decisive period for the inauguration of AI and robots –right time to shape future. Thus, the session aims to analyze the history of robots and AI as well as the history of robot and AI discourses. Based on knowledge about history, the aim is to contribute the ongoing discussion and to think about ethical guidelines for further development.

For information on the symposium please visit: <http://www.icohtec.org/w-annual-meeting/eindhoven-2020/>

Do you want to participate? **Please contact me until 1.1.2020.**

Stefan Poser, Secretary General of ICOHTEC, Karlsruhe Institute of Technology, KIT  
stefan.poser(at)kit.edu

### **16th Annual Symposium of the Social History of Military Technology Prague, Czech Republic, 25–31 July 2021**

We seek proposals for papers to be presented in the 16th Annual Symposium of the Social History of Military Technology (16SSHMT), scheduled as part of the program for The International Committee for the History of Technology (ICOHTEC), meeting as part of the International Congress of the History of Science, Technology, and Medicine (ICHSTM), Prague, Czech Republic, 25–31 July 2021. All proposals must be entered by 10 January. **Please note that this date is only 5 days later than the submission date for Eindhoven proposals.** Because of the complex nature of organizing so large a meeting, this call for papers has an unusually early deadline.

**Do not submit your paper proposal to ICOHTEC.** Bart Hacker (USA) and Ciro Paoletti (Italy) are organizing the symposium. Send your proposal directly to Bart at: [hackerb@si.edu](mailto:hackerb@si.edu), or [barthacker60@gmail.com](mailto:barthacker60@gmail.com), or to Ciro at: [ciro.paoletti.637@istruzione.it](mailto:ciro.paoletti.637@istruzione.it), no later than **8 January 2019, but earlier is better**. We will assemble and submit the complete symposium. Please distribute this CFP to anyone you believe may be interested and qualified.

ICHSTM has selected the general theme of *Giants and Dwarfs in Science, Technology and Medicine*. In submitting a proposal for 165SSHMT, you are encouraged, but not required, to address this theme. ICOHTEC has also suggested a number of subthemes; see the ICOHTEC call for papers: <file:///E:/00%20ICOHTEC%20Prague%202021/2021-CfP-ICOHTEC-Prague.pdf>.

General information about lodging, transportation, travel grants, and other matters will be posted on the conference website: <http://www.icohtec.org/w-annual-meeting/eindhoven-2020/>

The Symposium of the Social History of Military Technology, 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, Spanish, or Russian, ICOHTEC does not provide simultaneous translation. Proposals must include a short descriptive title of the paper, an abstract (maximum 300 words), and a short CV (maximum 1 page). **Be sure to include your name and email address, and to specify your present institutional affiliation (or independent status).**

(1) **Abstracts** are strictly limited to 300 words or less. They should include 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 **CV** must be no longer than 1 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.

**42nd History of Technology Conference**  
**Raw Materials. Natural Resources in History**  
Iron Library - [www.eisenbibliothek.ch](http://www.eisenbibliothek.ch)

The 42nd History of Technology Conference will be held at the Klostersgut Paradies in Schlatt near Schaffhausen, Switzerland on 13 and 14 November 2020. The Conference has served as an outstanding platform for the exchange of ideas between research, teaching and industry since 1978. The speakers and the invited guests come from universities, libraries, collections and museums or contribute their business and industrial experience. The conferences are renowned for the breadth and topicality of the papers presented.

You can find information on previous conferences at: [www.eisenbibliothek.ch](http://www.eisenbibliothek.ch). This international and interdisciplinary event is organized by the Iron Library (Eisenbibliothek), Foundation of Georg Fischer Ltd. Responsibility for the content of the conference is in the hands of a scientific advisory board consisting of Dr. Gisela Hürlimann (ETH Zurich), Prof. Reinhold Reith (University of Salzburg) and Prof. Friedrich Steinle (TU Berlin). We kindly invite interested persons involved in research, teaching and practice to apply to present a paper.

**Conference topic in 2020: Raw Materials. Natural Resources in History**

The extraction of materials from the natural environment is the first step in a wide range of technical and economic processes. From industrial corporations and construction companies, to financial services and medicine – virtually all aspects of economic and everyday life are involved in raw material cycles. Raw materials are dug out of the earth, blasted out of stone and pumped out of the seas; they are extracted from plants and culled from animals. These resources are then dissolved, prepared, chemically altered and recombined to be widely used and further transformed, or indeed wasted. Conflict over the use – and overuse – of natural resources has likely been entwined with human history since the earliest settlements. The 20th century has witnessed a dramatic rise in resource consumption, especially since the 1950s. The globalized economy's boundless hunger for natural resources and the recent debates on the Anthropocene"

have significantly increased scientific attention given to raw materials as the material basis of our society. The conference aims to tie in with this agenda. It invites researchers to present papers on procedures of exploitation, refining and removal, on modes of prospecting and extraction, on trade, transport and processing, or also on the production of waste and emissions as well as on recycling of coal, gold, oil, copper, rare earths or other natural resources, in addition to plant- and animal-based starting materials. While approaching the subject from a history of technology angle, the conference also welcomes perspectives from corporate and global history, as well as archaeology, environmental and social history. Coal, for instance, was not simply a key resource for industrialization; its extraction altered landscapes, shaped societies and cultures, and has been in part responsible for increases in carbon dioxide levels in the atmosphere. Palm oil, which has replaced other oils and fats in foods, soap or in energy and metal production, raises issues of colonial and agrarian entanglements, well beyond its role for a history of technology. These examples illustrate the wide-ranging potential to historicize natural resources from antiquity to contemporary history. We also encourage contributions on non-European cases. The conference languages are both English and German.

**Format**

The papers may be read in English or in German. Conference documents including English abstracts of all papers will be prepared by the organizer. The papers should not exceed 20 minutes in length. Following the conference, papers will be published in the specialized journal *Ferrum*.

### **Synopsis**

Applicants are kindly invited to submit a synopsis of their paper – no longer than 3'000 characters (400 words) – in English or German, along with an up-to-date resume, by 31 January 2020 to the Head of the Iron Library, lic. phil. Franziska Eggimann ([franziska.eggimann@georgfischer.com](mailto:franziska.eggimann@georgfischer.com)).

### **Organizational matters**

The Iron Library, Foundation of Georg Fischer Ltd, will assume speakers' travel expenses and the cost of room and board during the Conference. We expect that speakers will attend the entire Conference.

### **Timelines**

We request you to submit your synopsis by 31 January 2020.

The selection of the speakers will be completed by the end of March 2020.

### **Contact person**

Franziska Eggimann

Head Iron Library and Corporate Archivist Georg Fischer Ltd

[franziska.eggimann@georgfischer.com](mailto:franziska.eggimann@georgfischer.com)

[www.eisenbibliothek.ch](http://www.eisenbibliothek.ch)

## **2020 History of Economics Society (HES) Conference**

Utrecht University Hall, Netherlands, 18-21 June 2020

The annual HES Conference will take place at the Utrecht University Hall in Utrecht, The Netherlands, 18-21 of June 2020. Papers dealing with any aspect of the history of economics are welcome, including work related to any period or any school of economic thought. Also welcome are papers that situate economics in wider intellectual and cultural contexts or relate it to other disciplines. Although we welcome proposals for individual papers, proposals for complete sessions are especially encouraged. To submit a paper or session proposal, go to the conference web page <https://historyofeconomics.org/hes2020/>, where there is a link to a form for making submissions. Those proposing papers will be asked to submit an abstract of about 250 words, while those proposing sessions will be asked for an abstract of about 750 words that lists all participants, titles and very brief descriptions of the papers to be included. The HES website for conference registration (<https://historyofeconomics.org/hes2020/>) will open on January 2, and will provide information on several hotels where blocks of reduced rate rooms have been reserved. We encourage scholars from neighboring disciplines to participate; please see the past conference programs posted on the HES website. Inquiries regarding session proposals are most welcome, and should be addressed to Marcel Boumans at [m.j.boumans@uu.nl](mailto:m.j.boumans@uu.nl). All conference sessions will be an hour and a half. So usually a session consists of three paper presentations, but you can of course also choose another format.

The DEADLINE for submissions is **February 1 2020**. The early registration deadline for the conference is February 28. The HES provides support for several Warren J. and Sylvia J. Samuels Young Scholars to present papers at the conference, in the form of free registration, banquet and reception tickets, and a year's membership in the society. Some of the Young Scholars awardees will also receive a grant of \$500 to cover travel and other costs. A Young Scholar must be a current PhD candidate, or

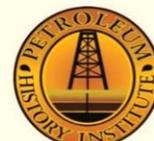
have been awarded a PhD in 2017 or later. Those interested in having their paper considered for the Young Scholars program will be able to indicate their interest when they submit their paper proposal through the conference website, and will be contacted subsequently with more details about the program. For all young scholars applying to HES there will be a pre-conference workshop organized.

**Petroleum History Institute 2020 Annual Symposium  
The World of West Coast Petroleum April 2-4, 2020**



**CALL FOR PAPERS**  
ABSTRACT DEADLINE: March 1, 2020

**PETROLEUM HISTORY INSTITUTE  
2020 ANNUAL SYMPOSIUM  
AND FIELD TRIP**



REGISTRATION AND EVENING RECEPTION Thursday, April 2, 2020

PRESENTATIONS – ORAL AND POSTER -- Friday, April 3, 2020 Proceedings to be published in the 2020 volume of Oil-Industry History

FIELD TRIP -- Saturday, April 4, 2020

HEADQUARTERS HOTEL – Best Western/Pepper Tree Inn, Santa Barbara, California  
<https://groups.guestreservations.com/eh/37s4c-66h> or 800-338-0030 For Group Rate Mention “Petroleum History Institute”

ABSTRACTS BEING ACCEPTED Please send abstracts to: Dr. William Brice - [wbrice@pitt.edu](mailto:wbrice@pitt.edu) or call Marilyn Black – 814-677-3152 ext. 105; [mblack@oilregion.org](mailto:mblack@oilregion.org)

REGISTRATION DETAILS TO FOLLOW

## XI. JOBS, POSTDOCTORAL POSITIONS, RESEARCH FELLOWSHIPS, AND GRADUATE SCHOOL OPPORTUNITIES

### IEEE HISTORY CENTER FUNDING OPPORTUNITIES 2020

#### IEEE Life Member History Fellowship, 2020 – 2021

The IEEE Life Member History Fellowship supports one year of full-time graduate work, or one year of post-doctoral research for a scholar who has received his or her Ph.D. within the past four years, in the history of IEEE's areas of interest, including Engineering, Computer Sciences and Information Technology, and related fields. This work should be carried out at a college or university of recognized standing. The stipend is US\$25,000, with a research budget of up to US\$3,000. The deadline for the 2020 – 2021 academic year is 1 February 2020. A full description of the program and application requirements can be found at: <https://www.ieee.org/about/history-center/fellowship.html>

#### IEEE History Center Elizabeth & Emerson Pugh Summer History Internship, 2020

Scholars early in their career studying the history of electrical technology and computing are invited to contact the Center to be considered for this supported stay 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.

This program seeks to provide research experience for graduate students and other young scholars in the history of any IEEE field of interest (electrical and computer sciences and engineering and related fields), while enlisting the help of promising young scholars for the Center's projects. The recipient 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, often involving taking advantage of the resources of the IEEE History Center and other New York area institutions. This time is usually during the summer, but other arrangements will be considered. The stipend paid to the recipient is US\$5,000. This program is supported by the generosity of Elizabeth and Emerson Pugh through a gift to the IEEE Life Member Fund of the IEEE Foundation.

There is no formal application form. To apply, please email 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, to Dr. Michael Geselowitz, Senior Director, IEEE History Center, [m.geselowitz@ieee.org](mailto:m.geselowitz@ieee.org). The deadline for contacting the IEEE History Center is 1 March 2020. More details can be found at [https://www.ieee.org/about/history\\_center/internship.html](https://www.ieee.org/about/history_center/internship.html).

#### Scholar in Residence Program of the Iron Library 2020

Twice a year the Iron Library offers a scholar the possibility of intensive study of its holdings as its 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 Clarissen 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 re-search 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 without 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 detailed description of the project that makes it clear which holdings in the Iron Library are to be consulted (maximum 1000 words).
- ❖ a curriculum vitae (resume);

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 Klostersgut Paradies, 8252 Schlatt, Switzerland, franziska.eggimann@georgfischer.com

## **Master's programme in Philosophy of Science, Technology and Society University of Twente/Universiteit Twente**

The two-year international Master's programme in Philosophy of Science, Technology and Society is for anyone who is interested in philosophy and the role of technology in a broader social context. The PSTS programme is designed for students with technical, philosophical and social science backgrounds. PSTS is characterized by its empirical orientation. Rather than focusing only on philosophical tradition or aiming to understand technology in general, we analyse specific technologies and their impact on society.

Questions you will explore in this Master's programme include:

- α How are information and communication technologies affecting our privacy?
- α Can we anticipate the future implications of nanotechnology for society?
- α Are there ethical limits to the genetic modification of animals and human beings?
- α How do new technologies change our behaviour and our perceptions of the world?

Find details at: <https://www.utwente.nl/en/education/master/programmes/philosophy-science-technology-society/#focus-and-disciplines>

### **Willard McCarty Fellowship CALL FOR FELLOWSHIP 2019-2020**

The Willard McCarty Fellowship was set up in 2018 by the Department of Digital Humanities at King's College London (<https://www.kcl.ac.uk/artshums/depts/ddh/index.aspx>) in honour of Professor Willard McCarty's (<http://www.mccarty.org.uk/>) ceaseless contribution to the advances and growth of the field of Digital Humanities and the Department. The Fellowship is intended to support outstanding early career scholars whose work interrogates the value of a human-machine dialogue for greater understanding of the human mind, condition, culture, and society. It seeks to foster intellectual collaboration across borders and disciplines as well as between academia and industry. Candidates are expected to have a strong academic presence and/or significant engagement with the intellectual life of society as a whole. We offer Fellows the opportunity to exchange experiences with colleagues and students in the dynamic environment of the largest academic digital humanities department in the world.

#### **Access to Fellowship**

Access to the Willard McCarty Fellowship is given to interdisciplinary-minded academic and non-academic researchers who must have a PhD either awarded or in hand; or equivalent experience. The route to the scheme is to apply as outlined in the Section 'How and When to Apply?'. Candidates will be selected based on the evaluation made by the committee formed from internal and external experts.

The Fellowship must be undertaken at the Department of Digital Humanities for a period from one to two weeks.

Grants of up to £2,500 to successful candidates will cover the following:

- √ Round trip standard class fares
- √ Accommodation and subsistence

We can provide advice, but appointees must make their own travel and living arrangements. They will need to seek additional funding elsewhere to cover any expenses that exceed the grant.

#### **The Role of Fellows**

Fellows will be affiliated with the interdisciplinary programme and international staff of the Department, and provided with office space. Fellows will be welcome to attend classes and

seminars, to work with the staff of the Department, meet affiliated partners, such as staff of King's Digital Lab, and access Strand campus and all facilities of the Maughan Library. During their stay, holders of the Fellowship will be required to give one lecture to staff of the Department. In addition, they may give one seminar to graduate and postgraduate students. The Department will appoint Mentors during the period of their stay to advise Fellows on writing and publishing, so that if they wish, they may submit a revised version of their lecture for publication in a suitable high-impact journal.

### **How and When to Apply?**

Applications for the WM Fellowship 2019-20 open on **Monday 28<sup>th</sup> October 2019, and close on Tuesday 7<sup>th</sup> January 2020.**

To be considered for the Fellowship, please submit the following materials:

- × Cover Letter (up to 500 words) indicating reason for interest in this appointment
- × Curriculum Vitae (up to 2 pages, with emphasis on the last ten years)
- × Statement of research interests (up to 1,000 words), outlining the topics and content of the lecture and seminar the Fellow will give during the period of the fellowship
- × Two letters of recommendation

For the 2019-20 Fellowship competition, please submit all materials in one email to both Paul Spence ([paul.spence@kcl.ac.uk](mailto:paul.spence@kcl.ac.uk)) and Gabriele Salciute Civiliene ([gabriele.salciute-civiliene@kcl.ac.uk](mailto:gabriele.salciute-civiliene@kcl.ac.uk)) by January 7, 2020. Please put 'WM Fellowship' in the subject area. Submissions that are incomplete or sent later than the deadline will not be considered. The successful candidate(s) will be notified of the results in early February 2020. The Fellowship will have to take place between March and end of May 2020.

### **Eligibility**

Academic and post-doctoral staff already at King's College London are not eligible for this scheme. The scheme is open to applicants without regard to nationality, race, religious beliefs or gender. Applicants must be fluent in English.

If an applicant needs a visa for entry and stay in the UK, it is his or her responsibility to arrange one before arrival.

### **Postdoctoral fellowship at the Interuniversity PhD Program in History and Philosophy of the Life Sciences, Israel**

The Interuniversity PhD Program in History and Philosophy of the Life Sciences (IHPLS) seeks applications for a 2-year postdoctoral fellowship, either beginning in the current academic year or in the next academic year. **Possible starting dates of the fellowship are from March 2020 to October 2020, to be determined in consultation with the chosen candidate.** We seek outstanding candidates with a background in either history or philosophy of biology and proven research abilities. The post-doctoral fellow will be expected to take part in activities of the IHPLS program, interact with students, and aid in mentoring students, but will otherwise be free to pursue their own project. In particular, no teaching is required. The fellow will be primarily affiliated with the Cohn Institute for the History and Philosophy of Science and Ideas at Tel Aviv University.

Candidates are encouraged to contact us with any questions. Second year is conditional on success in first year and other considerations of the program. Application should include the following materials:

- A current CV.
- A statement of proposed research (up to 3 pages).
- Two recommendation letters, sent directly to the address below.
- At least one writing sample.

**Application deadline: January 10, 2020.** The recipient will be notified during February 2020. The fellowship can commence during the present academic year, if the successful candidate so desires. The position is open to all candidates. The fellowship and precise details of the appointment will be based on the candidate's qualifications and the needs and constraints of the Interuniversity PhD Program in History and Philosophy of the Life Sciences (IHPLS), and is conditional upon approval by Tel Aviv University. IHPLS, The Cohn Institute, the Faculty of Humanities or Tel Aviv University are not obligated to award the fellowship to any of the candidates who apply for the fellowship.

Send materials to [ihpls.phd@gmail.com](mailto:ihpls.phd@gmail.com). Please send any queries to this address as well.

Dr. Ehud Lamm (Tel Aviv University)  
 Prof. Oren Harman (Bar Ilan University)  
 Dr. Arnon Levy (Hebrew University)  
 Prof. Ayelet Shavit (Tel Hai College)

**Two 2-year postdocs in History of Science – TACITROOTS ERC Project University of Milan, Italy  
 The *Accademia del Cimento (1657-1667) experimental work TACITROOTS* is an ERC funded project  
 (2019-2024, 60 months, CoG 2018, ID: 818098) led by the historian of science, Giulia Giannini.**

The project aims to provide a new understanding of the origins of the European scientific enterprise, by analysing and contextualising for the very first time the entire corpus of published and unpublished sources concerning the earliest modern scientific academy: the Florentine Accademia del Cimento (1657-1667). The project offers a novel insight into the history of modern science, focusing on its institutional settings and on the role of knowledge circulation. TACITROOTS's research questions are broad: the development of experimental science, how science establishes itself against political and religious powers, the alignment of research contents and methodologies in Europe, the constitution of a scientific network.

**TACITROOTS invites applications for two 2-year postdoctoral positions expected to start on February, 1st 2019.** The positions will be hosted at the Department of Historical Studies of the University of Milan, Italy. Successful candidates will join the international research team of TACITROOTS and will spend most of their working time on a tailored research line in the framework of the project. They will be involved in project dissemination activities and in the organization of project-related scientific events (workshops and seminars). They will have also dedicated research funds especially for travel to relevant European libraries and participation in international conferences and meetings.

For this call we seek candidates willing to engage with the experimental nature of the studies carried out by the Accademia. In particular, these positions will be focused on the Cimento's activity in the field of:

- (1) Pneumatics. In the mid-17th century, the issue of the void and air pressure is one of the central nodes of the debate around the constitution of the matter and on the nature of the

universe. Besides replicating Torricelli's experiments with many a variation, the Cimento academicians also observed various objects and animals placed in the "void". This is one of the subjects that produced the most violent interpretive clashes.

(2) Thermology. A wealth of theoretical implications is found in the multitude of experiments performed by the academicians on the nature of heat and cold, on the existence of "frigorific" atoms and on the hypotheses advanced to explain the process of natural freezing. These heated debates were often reprised by the Accademia della Crusca.

Successful candidates are expected to examine the hundreds of accounts of experiments and the academicians' discussions on pneumatics or thermology contained in the academic diaries and in the correspondence. These tasks will produce the first complete picture of the work carried out by the Cimento in the field of (1) pneumatics and (2) thermology. They will also define the sources and philosophical principles underlying the Accademia's activity in these fields with especial attention to the wider European debate on the issue.

#### **Further information and application**

The position is expected to start on **February, 1st 2020**. The Fellowship's yearly gross amount is of Euro 22.390,00 (around 1.652 euro net per month). The amount is tax free (according to art. 4 Legge 13 August 1984 n. 476). Extra research funding is available for participating to international conferences, workshops, and research visits concerned with the TACITROOTS objectives. English is the favorite working language within the project team. As the main body of sources is in Italian, basic reading skills in Italian language are required. Applications must be submitted through the University portal by no later than 11:59 p.m. on January, 13th 2020. You will find detailed information about the application procedure in the Call-for-application: [https://www.unimi.it/sites/default/files/2019-12/DR%20GIANNINI%20ID%204452%20ENG\\_1.pdf](https://www.unimi.it/sites/default/files/2019-12/DR%20GIANNINI%20ID%204452%20ENG_1.pdf)

For informal inquiries, please contact

Prof. Giulia Giannini (giulia.giannini1@unimi.it)

Dipartimento di Studi Storici

Università degli Studi di Milano

Via Festa del Perdono, 7

20122 - Milano

#### **Studying in Switzerland**

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#### **Visiting Scholar Program - Environmental Humanities**

##### **The Sydney Environment Institute**

The Environmental Humanities is a space for experimental, interdisciplinary, and engaged scholarship. At its core, the field is an effort to bring the insights and approaches of the humanities

into conversation around some of the most pressing challenges of our day, from climate change and mass extinction, to urbanisation and extraction. It is a field grounded in the insistence that these ‘environmental’ challenges are also inherently social and cultural, and as such they require understandings and responses that take the complexity of human life as seriously as they do the complexity of ecological, geophysical, and climatic systems. In this way, work in the environmental humanities has sought to foreground human diversity—modes of meaning-making, of valuing, of exposure and vulnerability—to explore how we might move forward in ways that are not only sustainable, but also just, inclusive, and genuinely life-enhancing.

Since its foundation in 2013 the Sydney Environment Institute has played a leading role in fostering the environmental humanities in Australia and beyond. We have hosted key conferences and workshops, been partners in the launch of important book series and journals, and we serve as the hub of the Australia-Pacific observatory within the international [Humanities for the Environment](#) initiative.

At present we are home to a variety of collaborative environmental humanities projects in areas that range from Multispecies Justice and Unsettling Ecological Poetics, to Extinction Studies and Everyday Militarisms. In the coming years we aim to deepen and strengthen the conversations and collaborations at the core of the environmental humanities. This means working across disciplines, across universities, but also beyond the university entirely. At the heart of this effort is a desire to cultivate an environmental humanities that is deeply rooted in the insights and approaches of Indigenous, feminist, anti-racist, and multispecies scholarship, an approach that takes seriously both the immense challenges and the incredible possibilities of our current moment.

Applications are now open to scholars working within the Environmental Humanities. <http://sydney.edu.au/environment-institute/news/sei-news-applications-2020-visiting-scholars-environmental-humanities/>. The 2020 program will enable two scholars to spend time with us in Sydney collaborating, sharing ideas and facilitating conversation in this broad field of research. Visitors will have the opportunity to present a seminar or workshop for postgraduate students or early career researchers, and we are open to other ideas for creative and novel collaboration. SEI will cover a return airfare, accommodation and per diem for a period of two weeks, as well as providing a desk, library access and research support for the visitor’s entire stay. While our funding only covers two weeks in Sydney, we hope that some visitors will be able to connect this funding to a sabbatical or period of study leave to stay on for a longer period. For more information on funding, visitor activities, eligibility criteria and the application process, please see a detailed description of the program [here](#). Prospective applicants are welcomed to contact Associate Professor Thom van Dooren ([thom.van.dooren@sydney.edu.au](mailto:thom.van.dooren@sydney.edu.au)) with any further questions. Applications will close on **Friday January 17, 2020**.

**Assistant Professor of Environmental Communication at University of Winnipeg**  
POSITION DESCRIPTION:

The Department of Rhetoric, Writing, and Communications at the University of Winnipeg invites applications for a tenure-track position at the rank of Assistant Professor with a specialization in Environmental Communication.

QUALIFICATIONS:

The successful candidate will have completed a Ph.D. in rhetoric, composition, communication, or a related discipline. The candidate will have demonstrated 1) a clear potential for establishing an

international scholarly reputation through a promising research program, 2) a strong record of undergraduate teaching, and 3) a commitment to curriculum and program development. Ideally, the candidate's research and teaching interests will focus on one or more of the following areas: environmental rhetoric and discourse, climate change communication, green movements, green campaigns, environmental media and journalism, environmental justice, discourses on alternative energy, science communication, and science disinformation.

**APPLICATION INSTRUCTIONS:**

Applications must include the following: a letter of application addressed to Dr. Jaqueline McLeod Rogers (Department Chair), a curriculum vitae, at least one writing sample, evidence of teaching effectiveness, and three letters of reference. Applications must be submitted online via the University of Winnipeg's online recruitment

system: <https://www.uwinnipeg.ca/hr/employment.html>. Candidates should arrange for three confidential letters of reference to be sent either by email or airmail to:

Taremekedzwa Muvingi, BSc

Department Assistant

Rhetoric, Writing and Communications

University of Winnipeg

515 Portage Avenue

Winnipeg, MB R3B 2E9, Canada

Tel: [204.258.3865](tel:204.258.3865)

Email: [t.muvingi\[at\]uwinnipeg.ca](mailto:t.muvingi@uwinnipeg.ca)

For full consideration, applications should be received no later than **February 18, 2020**.

Consideration of applications will continue until such time as the position is filled. Subject to budgetary approval, this appointment will be effective July 1, 2020.

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Dr. Lars Bluma, Otmarstrasse 5, D-45131 Essen, Germany.

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