

ICOHTEC NEWSLETTER

Nº189 June 2022

www.icohtec.org



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

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

Table of Content

1	<i>Icohtec News</i>	3
1.1	Icohtec Lecture June 14: Play Ground – Topograph of Play and Technology (in German).....	3
1.2	Icohtec Lecture 22 June: "Life and death of Homeless in Chile: state of exception, memory, and urban metabolism"	4
1.3	Online Discussion on Robots and AI and Presentation of the New ICON Special Issue (1/2022), 27th June 2022	5
1.4	Icohtec Membership.....	6
2	<i>Conferences and seminars</i>	7
2.1	CFP: The Coronavirus Pandemic: An Environmental Humanities Perspective, Virtual Conference	7
2.2	Travel funds available for the Annual Meeting of the Society of the History of Technology	9
3	<i>Call for Contributions</i>	10
3.1	CFP: Narrative Complexity in Recent Time-Travel Media	10
4	<i>Open positions and fellowships</i>	12
4.1	Postdoc, Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU).....	12
4.2	PhD / Research assistant, Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)	12
4.3	PhD position in Gender, Technology and Medicine in Gothenburg, Sweden	13
5	<i>Recent publications</i>	14
5.1	Open access book on Cold War Civil defense	14
5.2	Edited volumes on technical education in Japan.....	15

1 Icohtec News

1.1 Icohtec Lecture June 14: Play Ground – Topograph of Play and Technology (in German)

Dr. Florian Bettel, member of Icohtec Program Committee from University of Applied Arts in Vienna, will hold the next Icohtec lecture on **June 14, 2022 at 18.00 CEST** (online). The lecture will be in German.

Das Spiel in der Stadt, das Spiel mit der Stadt öffnen Räume – temporär sowie dauerhaft. Spielplätze sind wahrscheinlich die sichtbarste Form des urbanen Spiels. Sie spiegeln Ideologien, Politik, Ökonomie und Technik, wie dies bei allen Formen kultureller Zeichen der Fall ist. Allein die Tatsache, dass Spielplätze oft die erste Assoziation sind, wenn das Begriffspaar „Spiel“ und „Stadt“ genannt wird, weist bereits auf eine dominante Ideologie hin, die den urbanen Raum mehr oder minder als das Gegenteil von kindlichem Spiel versteht. In dieser Lesart schützen Spielplätze Kinder vor den Gefahren des urbanen Raums und umgekehrt das rationalisierte Funktionieren der Stadt vor den Unsicherheiten des kindlichen Spiels mit dem Raum.

Der Vortrag geht auf das Zusammenspiel von Stadt und Spiel ein, zeichnet einige Entwicklungslinien in der ideologischen Ausformung des Spielplatzes nach, stellt technische Innovationen vor, die auf Spielplätzen zu finden sind (z.B. für die WIG – Wiener Internationale Gartenschau, 1964), thematisiert die wechselvolle Geschichte des Verständnisses von Spielplatz als Vorbereitung auf den Alltag (z.B. American Playground Reform Movement) und wirft Schlaglichter auf zeithistorische künstlerische Aneignung von Spiel.

Vor dem Hintergrund unterschiedlicher Right-to-the-City-Bewegungen fragt der Vortrag nach der aktuellen Funktion von Spielplätzen und ihren Möglichkeiten, sich urbanen Raum mit neuen Spielformen (z.B. mit neuen Materialien, architektonischen Lösungen oder Technik wie Geocaching) anzueignen. Wie werden diese neu gewonnenen Räume einem breiteren Publikum zugänglich gemacht? Wie zeigt sich die Politik der Inklusion/Exklusion im urbanen kindlichen Spiel? Um diese Fragen zu beantworten, setzt der Vortrag an den

kultur- und technikhistorischen Entwicklungslinien des Spielplatzes an und hinterfragt die aktuellen Räume zudem mit Methoden und Begriffen der Stadtsoziologie.

Link to the online meeting:

<https://kit-lecture.zoom.us/j/6884631281?pwd=R3ZwaXVvQWhEaG5MTmlrdytTUXFPUTog>
Meeting-ID 688 463 1281

For more information of lectures, please contact : Stefan Poser, President of ICOHTEC, Karlsruhe Institute of Technology, KIT, stefan.poser@kit.edu

1.2 Icohtec Lecture 22 June: "Life and death of Homeless in Chile: state of exception, memory, and urban metabolism"

ICOHTEC Secretary General, Nelson Arellano-Escudero, from Universidad Academia de Humanismo Cristiano, Santiago de Chile will have Icohtec Lecture on **22 June 2022 at 18.00 CEST (online)**. The title of the lecture is "Life and death of Homeless in Chile: state of exception, memory, and urban metabolism."

The data from Fundación Gente de la Calle in Santiago de Chile has made it possible to establish that living on the street or homeless decreases the life expectancy of people who experience this way of violence.

Along with this, this Foundation has implemented a program so that the General Cemetery of Santiago de Chile has a mausoleum and memorial for people who usually do not have a funeral at the time of their death.

These facts allow us to understand the state of exception in which the lives of thousands of people live, as well as the oblivion to which they are subjected as part of the expressions of violence that the urban metabolism generates in the megacities of Latin America.

Link to the online meeting:

<https://kit-lecture.zoom.us/j/6884631281?pwd=R3ZwaXVvQWhEaG5MTmlrdytTUXFPUTog>
Meeting-ID 688 463 1281

For more information of lectures, please contact : Stefan Poser, President of ICOHTEC, Karlsruhe Institute of Technology, KIT, stefan.poser@kit.edu

1.3 Online Discussion on Robots and AI and Presentation of the New ICON Special Issue (1/2022), 27th June 2022

Monday, 27th June 2022, 18.00 CEST

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 play 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 quite a long history, but now we might live in a decisive period for the inauguration of AI and robots – right time to shape future.

The ICON special issue aims to analyze the history of robots and AI as well as the history of robots and AI discourses. Based on knowledge about history, the aim is to contribute to the ongoing discussion and to think about ethical guidelines for further development.

The new issue of ICON will be presented by the authors and the guest editor, Stefan Poser, they will discuss questions of further research.

ICON Special issue on Robots and AI – Contents 27/1 (2022)

Stefan Poser: Introduction. Tools to Generate or to Solve Crises? Perspectives on Robots and Artificial Intelligence.

Dustin Abnet: Robots in American Popular Culture in 1930s to 1950s

Jennifer Robertson: Techno-Spirituality in Japan: Kokoro, Gender, Robots, and Reliquaries

Stefan Poser: A Complicated Love Story? Human Robot Interaction in Popular Culture: a case study on technology-linked emotions

Frank Dittmann, Nico Lange: „If we're lucky, they might decide to keep us as pets.” – the new robotics exhibition in the Deutsches Museum, Germany

Manolis Simos, Konstantinos Konstantis, Konstantinos Sakalis, Aristotle Tympas : ‘AI Can Be Analogous to Steam Power’ or from the ‘Postindustrial Society’ to the ‘Fourth Industrial Revolution’: An Intellectual History of Artificial Intelligence

Tiina Männistö-Funk: “One fine day your car will also start to speak”. Automotive voices as promises of machine intelligence

Katerina Vlantoni and Kornilia Papanastasiou: ‘Live from the womb’: Historicising the integration of artificial intelligence into biomedicine

Dick van Lente: Robots and health care – the deep roots of a technological fix

Link to the online meeting:

<https://kit-lecture.zoom.us/j/6884631281?pwd=R3ZwaXVvQWhEaG5MTmlrdytTUXFPUTo9>

Meeting-ID 688 463 1281

For more information, please contact: Stefan Poser, President of ICOHTEC, Karlsruhe Institute of Technology, KIT, stefan.poser@kit.edu

1.4 Icohtec Membership

As a friendly reminder, please pay your annual fees to our account at: Commerzbank Bochum, “ICOHTEC“ at Commerzbank Bochum (Husemannplatz 3-4, D-44787 Bochum, Germany): IBAN: DE44 4304 0036 0390 2590 00; BIC: COBADEFFXXX. Thank you for your support!

Please send in the form on the last page of the Newsletter about your payment and renewed membership to the Treasurer Viktor Pál, [viktor.paal\(at\)gmail.com](mailto:viktor.paal(at)gmail.com) and Stefan Poser, President of ICOHTEC, [stefan.poser\(at\)kit.edu](mailto:stefan.poser(at)kit.edu), in order to update our list of members.

2 Conferences and seminars

2.1 CFP: The Coronavirus Pandemic: An Environmental Humanities Perspective, Virtual Conference

Call for Papers for the online conference *The Coronavirus Pandemic: An Environmental Humanities Perspective*, **February 15-17, 2023**.

Deadline for applications: **July 1, 2022**.

Keynote Speakers: Dr. Cymene Howe (Rice University) & Dr. Eben Kirksey (Deakin University)

The COVID-19 pandemic is identified as resulting from human-animal entanglement, or multispecies interactions between individuals and collective populations in proximity, and has since spread across borders and continents. With the encroachment of human populations on natural habitats a key driver for the spread of zoonotic disease, this conference identifies the coronavirus pandemic as a matter of concern beyond epidemiological frames, and extending into spheres of ecology and the environment. Apprehending the coronavirus within a human and environmental nexus, this conference seeks proposals which bring together the environmental humanities and natural sciences in consideration of crisis across social, ecological, political, and biological spheres.

Borne from human and more-than-human encounter, the pandemic necessitates attention to broader environmental contexts. As the pandemic spread across the globe in 2020, news feeds were flooded with stories of cougars roaming the locked-down streets of Santiago, Chile, wild goats in Llandudno, Wales, or boar in Barcelona, Spain, at the same time as infection rates and casualty numbers continued to increase. With the shuttering of borders and the grounding of flights came stories of normally smog-filled skylines clearing as a result of decreased travel—the Himalayas visible from Uttar Pradesh, India, for the first time in decades evidencing the direct correlation between human activity and environments, and their transformations in the context of the coronavirus. Beyond these highly visible examples, the pandemic can be seen to have great scholarly significance

within environmental humanities perspectives, presenting as a critical landscape for ongoing research.

J. R. McNeill positions COVID-19 as “an environmental history event as well as a public health crisis.” This conference seeks proposals which recognize this crisis as operating within these spheres, as well as extending toward environmental presents and futures. In particular, the resurgence of single-use items throughout the pandemic, the impacts of border closures and travel suspensions, and ongoing alterations to human/ecological relationships in light of the COVID-19 pandemic are identified as important considerations within this nexus.

“The Coronavirus Pandemic: An Environmental Humanities Perspective” seeks timely, crucial, and necessary considerations of the coronavirus pandemic from scholars engaged in environmental humanities research. In recognition of the interdisciplinary nature of such research, this extends to scholars working from social sciences, the medical and health humanities, and natural sciences perspectives; however, a list of desirable topics is provided to outline the scope of possible contributions. In the context of the “Air and Environmental Health in the (Post-)COVID-19 World” project from which this conference emerges, we especially seek abstract submissions that consider COVID-19 in relation to air and atmosphere, through transmission, respiration, breath, and infection. We strongly encourage scholars working within the Global South to apply, and proposals from PhD candidates and independent researchers are welcome.

We invite individual paper proposals considering the following topics:

- Coronavirus and Climate Crisis (including pollution, travel, and atmospheres)
- Human/Animal Relationships (proximity, wildlife in urban spaces, and zoonosis)
- Environmental Degradation and Biodiversity Loss
- Air, Transmission, and Respiration
- Waste and Sustainability (including litter, single use items, plastics, and transmission)
- Anthropause/Isolation (social and planetary health approaches)
- Lived Contexts and Socioeconomic Environments (including marginalized perspectives)
- Ecosocial Perspectives

- Death, Necropolitics, Grief, and Mourning
- Pandemic Turns (engagements with scholarly trends)
- Human-Ecological Temporalities (including environmental/pandemic futures)

Please email your abstract of 300 words and short biographical statement of no more than 150 words by **July 1, 2022** to air.anglistik@univie.ac.at

This conference is convened by Tatiana Konrad, Chantelle Mitchell, and Savannah Schaufler (Department of American and English Studies, University of Vienna). More information about the research project “Air and Environmental Health in the (Post-)COVID-19 World” can be found at: <https://airproject.univie.ac.at/>

2.2 Travel funds available for the Annual Meeting of the Society of the History of Technology

Deadline for application: **15 August, 2022.**

Travel grant applications are now open for the Society for the History of Technology's annual meeting in New Orleans (10-13 November 2022). Below is information about travel grants from SHOT directly, the general travel grant page which reviews SHOT Travel Grants, SHOT-NSF Travel Grants, and additional options from Special Interest Groups Grants.

The Society for the History of Technology normally awards some grants to support travel to its annual meeting. The SHOT Travel Fund is focused on graduate students, independent scholars, young professionals just beginning their careers, and retired scholars, as well as SHOT International Scholars. Eligible members residing outside the US, Canada, and Western Europe are especially encouraged to apply. For US applicants NSF travel grants are available. If you are eligible for the NSF Grant, please use the NSF application form as soon as this becomes available!

If you are a graduate student, we will need you to provide an endorsement from your advisor, certifying that you are enrolled in a graduate program. Your Advisor can upload

the form through this link <https://shotsecretariat.wufoo.com/forms/travel-grant-endorsement/> Please request the file to be named “2022 [student name] Endorsement.”

For more information [see](https://www.historyoftechnology.org/about-us/travel-grants/): <https://www.historyoftechnology.org/about-us/travel-grants/>

Deadline: The completed application (and the endorsement) must be submitted no later than 15 August 2022.

3 Call for Contributions

3.1 CFP: Narrative Complexity in Recent Time-Travel Media

Deadline for application: **October 31, 2022.**

We are seeking contributors for an edited collection of scholarly essays on these recent changes in the complexity of time-travel media (film, television, gaming, or literature). Submissions that are interdisciplinary in theory and method are welcome, especially those in popular culture, science fiction, fantasy, genre studies, critical media studies, narratology, etc. Abstracts and papers discussing recent time-travel media, approximately within the last decade, may include but are not limited to research concerning narrative structure, theme, genre, reception, comprehension, and other relevant topics.

Historically, time-travel films and television (TV) shows relied on science-fiction (sci-fi) tropes and storytelling devices to convey atemporal narratives. More recently, an increasing number of time-travel media have begun incorporating a variety of non-sci-fi elements to create new, increasingly complicated spins on well-worn tropes. The rapidly evolving landscape of technological advancements in our world today have made narratives dealing with the exclusive science/mechanics of time travel less of an imaginative possibility. Many viewers today seem receptive to the recycling of science-fiction time-travel tropes in many of these more traditional sci-fi narratives. However, more authors have begun creating unique adaptations on tropes such as time travel to engage audiences' narrative understanding in new ways, and the audiences want to see and be entertained by them. Whether this is seen as a component of hybrid genre or

structural complexity, more recent time-travel media have purposefully complicated their narratives by reconditioning audiences to expect the unexpected and require audiences to learn how to engage with the story to better understand the narrative on multiple levels.

This edited collection will demonstrate that time-travel media is more complicated now than ever before, but also that newer time-travel media has expanded into the “mainstream” of multiple narrative genres that, prior to, were predominantly superhero, fantasy, thriller, etc. Time travel now has grown into a tried and true crossover of these genres and many more, taking the necessity of “science” out of time travel, thus constructing a fresh cultural trope that can be used by any author writing in any genre. This exploration of how a staple trope strongly tied to a single genre, like time travel was to science-fiction media, can successfully become mainstream adds to the current conversation surrounding interdisciplinary studies in areas such as critical media, genre, narrativity, and more. This exploration also aims to reveal the interdependent relationship of the time-travel trope and its malleability, the authors and their ability to make said trope believable, and the audience and their ability to suspend their disbelief and accept the use of the trope in new media and genres.

Abstracts, up to 300 words, should present research intentions, the research’s original contribution, and how the focus aligns with the main “theme” of narrative complexity in this collection. All papers should be approximately 10-25 double-spaced pages following the current 9th ed. MLA style with in-text citations and Works Cited page at the end. We are currently in conversations with leading publishers and will provide more concrete publication deadline information as those decisions are finalized.

Please submit abstracts and drafts by the new deadline, **October 31st, 2022**. Final paper drafts deadline is now tentatively set for **August 31st, 2023**.

Please direct all abstracts, papers, and inquiries to TimeTravelCFP@gmail.com. We look forward to hearing from you and learning more about your contributions.

Contact Info: Liz Trepanier (Eastern Florida State College), Luke Leonard (Eastern Florida State College), and Emory O'Malley (Independent), editors

Contact Email: TimeTravelCFP@gmail.com

4 Open positions and fellowships

4.1 Postdoc, Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

Deadline for applications: June 30th, 2022.

The Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg, headed by Prof. Dr. Maria Rentetzi, is inviting applications for the position of a Postdoc (100 %, TV-L E13) for 3 years (with the possibility of renewal).

Tasks include: Cooperation in the organization, preparation, and implementation of teaching and research at the Chair; Teaching (5 hrs./week) in science and technology studies or related fields; Scientific qualification towards a “Habilitation” with a research project in the chair’s key topics, including science diplomacy.

Starting date: August 1, 2022, or later.

For more information, **visit:** <https://www.stgs.fau.de/job-offers/#u99170569>

4.2 PhD / Research assistant, Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

Deadline for application: June 30th, 2022.

The Chair of Science, Technology and Gender Studies at Friedrich-Alexander-Universität Erlangen-Nürnberg, headed by Prof. Dr. Maria Rentetzi, is inviting applications for the position of a PhD student/research assistant (65 %, TV-L E13) in the ERC-funded research

project “**Living with Radiation – the Role of the International Atomic Agency in the History of Radiation Protection**” (HRP-IAEA).

The successful candidate will explore the historical role of the IAEA in standardizing and regulating the use of nuclear energy in the Global South.

Starting date: August 1, 2022, or later.

For more information, [visit: https://www.stgs.fau.de/job-offers/#u97778719](https://www.stgs.fau.de/job-offers/#u97778719)

4.3 PhD position in Gender, Technology and Medicine in Gothenburg, Sweden

Reminder: Application deadline June 26th, 2022

The [Division of Science, Technology and Society](#), part of The [Department of Technology Management and Economics at Chalmers University of Technology](#), will hire a PhD student in Social Studies of **Gender, Technology and Medicine**. The research may be oriented towards areas such as gender, biomedical technologies and the body; gendered dimensions of medical treatments and medical engineering; the consequences of introducing and/or using gender-specific medical technologies in healthcare.

Full-time temporary employment. The position is limited to a maximum of 5 years.

The STS division's research and education covers a wide area including Science and Technology Studies (STS), Gender and Technology, Sociology, and History of Science and Technology.

For more information, [visit:](https://www.chalmers.se/en/about-chalmers/Working-at-Chalmers/Vacancies/Pages/default.aspx?rmpage=job&rmjob=p10560) <https://www.chalmers.se/en/about-chalmers/Working-at-Chalmers/Vacancies/Pages/default.aspx?rmpage=job&rmjob=p10560>

For questions, please contact: Lisa Lindén, incoming Associate Professor in Gender and Technology, Division of Science, Technology and Society, Technology Management and Economics, lindenli@chalmers.se

5 Recent publications

In this section of the Newsletter, we collect information about recently published articles, books, and lectures relevant to the field of the history of technology. In particular, we would like to spread the news of open access publications. If you want to share your work, please send the news to: newsletter@icohtec.org

5.1 Open access book on Cold War Civil defense

Marie Cronqvist, Rosanna Farbol, Casper Sylvest (eds), *Cold War Civil Defence. Sociotechnical Imaginaries of Survival and Preparedness* (New York: Palgrave Macmillan 2022). Open access at [Springer Link](#).

This open access edited collection brings together established and new perspectives on Cold War civil defence in Western Europe within a common analytical framework that also facilitates comparative and transnational dimensions. The current interest in creating disaster-resilient societies demands new histories of civil defence. Historical contextualization is essential in order to understand what is at stake in preparing, devising, and implementing forms of preparedness, protection, and security that are specifically targeted at societies and citizens. Applying the concept of sociotechnical imaginaries to civil defence history, the chapters of this volume cover a range of new themes, from technology and materiality to media, memory, and everyday experience. The book underlines the social embeddedness of civil defence by detailing how it both prompted new forms of social interaction and reflected norms and visions of the ‘good society’ in an age where nuclear technology seemed to hold the key to both doom and salvation.

Table of contents

Marie Cronqvist, Rosanna Farbøl, Casper Sylvest: Introduction: New Paths in Civil Defence History

Iben Bjørnsson: Order on Their Home Fronts: Imagining War and Social Control in 1950s NATO

Jochen Molitor: The Imagined Disastrous: West German Civil Defence Between War Preparation and Emergency Management 1950–1990

Jonathan Hogg: Normalising Nuclear War: Narrative Scenarios, Imaginative Geographies and Sites of Leisure in 1950s Britain

Peter Bennesved, Casper Sylvest: Embedding Preparedness, Assigning Responsibility: The Role of Film in Sociotechnical Imaginaries of Civil Defence

Dick van Lente: ‘The World is Her Home’: The Role of Women Volunteers in Dutch Civil Defence in the 1950s and 1960s

Rosanna Farbøl: Ruins of Resilience: Imaginaries and Materiality Imagineered and Embedded in Civil Defence Architecture

Sibylle Marti: Framing Civil Defence Critique: Swiss Physicians’ Resistance to the Coordinated Medical Services in the 1980s

Marie Cronqvist, Matthew Grant: Remembering Desirable Futures? Civil Defence Memories and Everyday Life in Sweden and the UK

Marie Cronqvist, Rosanna Farbøl, Casper Sylvest: Conclusion: Civil Defence Futures (Re)imagined

5.2 Edited volumes on technical education in Japan

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

Erich Pauer & Regine Mathias (eds), Accessing Technical Education in Modern Japan (2 vols.), Folkestone: Renaissance Books, 2022, ISBN 978-1-912961-25-2

This collection of fourteen key papers deriving from CEEJA’s second international conference exploring the Japanese history of technology, concentrates on the ways to acquiring and transmitting technical knowledge in Japan’s modern era –This ranges from the first attempts to acquire technical education through the translation of foreign textbooks and manuals to the institutionalization of a technical education at various levels,

from technical colleges to technical or vocational schools with modern technology-oriented curricula.

Content:

Vol. I:

Erich PAUER (CEEJA): Introduction: Books, Craftsmen, and Engineers: The Emergence of a Formalized Technical Education in a Modern Science-Based Education

1 Ruselle Meade (Cardiff University): The Translation of Technical Manuals from Western Languages in Nineteenth-century Japan: A Visual Tour

2 Christine MOLL-MURATA (Ruhr Universität Bochum): The Translation of Western Books on Natural Science and Technology in China and Japan: Early Conceptions of Electricity

3 CHEN Hailian (Universität Leipzig): Creating Intellectual Space for West-East and East-East Knowledge Transfer: Global Mining Literacy and the Evolution of Textbooks on Mining in Late Qing China, 1860–1911

4 NISHIYAMA Takahiro (Universität Bonn): François Léonce Verny and the Beginning of the ‘Modern’ Technical Education in Japan

5 WADA Masanori (Mie Universität): The Role of the Ministry of Public Works in Designing Engineering Education in Meiji Japan: Reconsidering the Foundation of the Imperial College of Engineering (Kōbu-dai-gakkō)

6 Erich PAUER (CEEJA): From Student of Confucianism to Hands-on Engineer: The Case of Ōhara Junnosuke, Mining Engineer

7 WADA Masanori (Mie Universität): The Fall of the Imperial College of Engineering: From the Imperial College of Engineering (Kōbu-dai-gakkō) to the Faculty of Engineering at Imperial University, 1886

Vol. II:

- 8 Janet HUNTER (LSE): Kikuchi Kyōzō and the Implementation of Cotton-spinning Technology: The Career of a Graduate of the Imperial College of Engineering
- 9 NAKAMURA Naofumi (Tōkyō University): The Training School for Railway Engineers: An Early Example of an Intra-firm Vocational School in Japan
- 10 SASHINAMI Akiko (Hōsei University/Japan Women's University): The Training and Education of Female Silk-reeling Instructors in Meiji Japan
- 11 TODA Kiyoko (Nara Prefectural University): The Establishment and Curriculum of the Tōkyō-Shokkō-gakkō (Tōkyō-Vocational School) in Meiji Japan
- 12 Regine MATHIAS (CEEJA): The Development of Mining Schools in Japan
- 13 OKIHARU Fumiko (Tōkyō University of Science): Science Education in Japanese Schools in the Late 1880s as Reflected in Students' Notes
- 14 SUZUKI Jun (Tōkyō University): Education in Mechanical Engineering in Early Universities and the Role of Their Graduates in Japan's Industrial Revolution: The University of Tōkyō, the Imperial College of Engineering and the Imperial University

**Form for annual membership renewals
and 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: (30€ or 40 \$ or equivalent) per year*
- A student. Rate: (30 € or 40 \$ or equivalent for two years)*
- An institution. Rate: (75 € or 100 \$ or equivalent) per year*
- A library. Rate: (Europe: 36 €, Overseas 39 € or 52 \$) per year*

Tick the years of membership to be paid: 2021 2022 2023 2024

I submit the total amount: _____

Your first name and surname: _____

Email: _____

Postal address: _____

Tick the method of your payment:

- Through international money transfer: Make international money transfer to:

“ICOHTEC“ at Commerzbank Bochum (Husemannplatz 3-4, D-44787 Bochum, Germany):

IBAN:DE44430400360390259000; BIC: COBADEFFXXX

If your bank requires to fill the address of the account holder, use: Karlsruher Institut für Technologie (KIT), Department für Geschichte, Neuer Zirkel 3, D-76131 Karlsruhe, GERMANY

- Through a cheque. Send the check with the appropriate sum made out to “ICOHTEC” and send to:

Stefan Poser, Karlsruher Institut für Technologie (KIT), Department für Geschichte, Neuer Zirkel 3, D-76131 Karlsruhe, GERMANY

After filling the form, please send by email to Viktor Pál, ICOHTEC Treasurer, at [viktor.paal\(at\)gmail.com](mailto:viktor.paal(at)gmail.com) and Stefan Poser, President of ICOHTEC at [stefan.poser\(at\)kit.edu](mailto:stefan.poser(at)kit.edu).