

# 8<sup>th</sup> Tensions of Europe (TOE) Conference

*Conference Theme: Borders and Technology*

**Athens, 7-10 September 2017**

## PROGRAM OUTLINE

PRE-CONFERENCE EVENTS				
TUESDAY 5/09 – THURSDAY 7/09	SUMMER SCHOOL: <i>“Borders and Crises in European Past and Present – angles from the history of technology”</i> Tensions of Europe Early Career Scholars’ Group Summer School			
WENDESDAY 6/09	TRAINING WORKSHOP: ‘Risk Change’ Creative Europe EU Project			
THURSDAY 7/09, 10:30-13:30	RESEARCH WORKSHOP: <ul style="list-style-type: none"> <li>• <i>Europe, Borders, Technology: Ongoing Research Projects</i></li> <li>• <i>“The European Challenges: Technological Change and Re-Arrangements of Work, Migration and Resource Use” Research Project</i></li> </ul>			
THURSDAY 7/09				
15:00-17:00	REGISTRATION			
17:00-17:30	WELCOME NOTES			
17:30-19:00	KEYNOTE SPEECH: “The border goes where the movement is”, Huub Dijkstra, University of Amsterdam			
19:00-20:00	RESEARCH FRONTIERS: Shahram Khosravi, Stockholm University			
20:00-22:00	RECEPTION			
FRIDAY 8/09				
Parallel Sessions 1 9:00-10:45	<b>1-A</b> Technology and the Environment in Eastern Europe: A Long-term Perspective	<b>1-B</b> “Borders and power”: Nuclear power, electricity, gas and renewable energy technologies in the borders	<b>1-C</b> Travelling Technologies	<b>1-D</b> Border Visions: Experiments and asymmetries
Parallel Sessions 2 11:00-12:45	<b>2-A</b> Siting nuclear installations at the border: Transnational political implications and societal responses	<b>2-B</b> Bridge over Troubled Waters – Border crossing development of technological systems in the Cold War	<b>2-C</b> There to Stay: Articulating the tension between volatility and entrenchment in border regimes infrastructures	
12:45-14:30	Lunch break / Guided tours			
Parallel Sessions 3 14:30-16:15	<b>3-A</b> International Broadcasting: Challenges in Comparative Radio Research in Eastern Europe	<b>3-B</b> Transnational governance of risk - Nuclear energy and the collapse of the Iron Curtain 1990-1994	<b>3-C</b> Sustainable Urban Mobility	<b>3-D</b> Borders and Technologies
Plenary Session 16:30-19:00	Tensions of Europe Plenary Session and Workshop <i>Challenging Prometheus and Clio: A History of Technology for an Age of Grand Challenges</i>			

<b>SATURDAY 9/09</b>				
Parallel Sessions 4 9:00-10:45	<b>4-A</b> Technology, natural resources and crises in the past and present of Europe and beyond (I): Knowledge/Resource Circulation	<b>4-B</b> Stations, Labs and Satellites: Real and Imagined Infrastructures in Outer Space	<b>4-C</b> Science diplomacy: Some methodological aspects	
Parallel Sessions 5 11:00-12:45	<b>5-A</b> Technology, natural resources and crises in the past and present of Europe and beyond (II): Colonizing Resources	<b>5-B</b> Communication across borders: Visions, threats and political conflict around transnational communication infrastructures in twentieth century European history	<b>5-C</b> Technology, Colonialism, Post-Colonialism	<b>5-D</b> Technologies, Borders, Ideologies
12:45-14:30	Lunch break / Guided tours			
Parallel Sessions 6 14:30-16:15	<b>6-A</b> Technology, natural resources and crises in the past and present of Europe and beyond (III): Management of Natural Resource	<b>6-B</b> Infrastructural technologies in peripheral European context	<b>6-C</b> Sites of Capital: Science, Technology and Medicine in Lisbon	<b>6-D</b> Borders and Migrations
Plenary Session 16:30-18:00	KEYNOTE SPEECH: “Gendered technologies of everyday survival in the city: Experiences from Athens”, Dina Vaiou, National Technical University of Athens			
20:15-02:00	CONFERENCE BANQUET			
<b>SUNDAY 10/09</b>				
Parallel Sessions 7 10:00-11:45	<b>7-A</b> Technology, natural resources and crises in the past and present of Europe and beyond (IV): Crisis and Resource Management	<b>7-B</b> Technologies Control, Hazards, Risks	<b>7-C</b> (Bio)Medicalization and technologies	<b>7-D</b> Infrastructuring borders
End of Conference				

# FULL PROGRAM

## Thursday 7/09

- 10:30-13:30    **Pre-Conference Research Workshop**  
*Seminar room 'Goudaroulis', Department of History and Philosophy of Science,  
National and Kapodistrian University of Athens (University Campus)*  
  
*Europe, Borders, Technology: Ongoing Research Projects*  
*Discussants:* Shahram Khosravi (Stockholm University), Annalisa Pelizza  
(University of Twente), Dagmara Jajeśniak Quast (European University  
Viadrina), & Aristotle Tympas (National and Kapodistrian University of Athens)  
  
*“The European Challenges: Technological Change and Re-Arrangements of  
Work, Migration and Resource Use” Research Project*  
*Discussants:* Norbert Cyrus & Klaus Weber (European University Viadrina)
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- 15:00-17:00    **Registration**  
*Amphitheatre, Historical Central Building, National and Kapodistrian  
University of Athens (Panepistimiou Ave.30, Athens)*
- 17:00-17:30    **Welcome Notes**
- 17:30-19:00    **Keynote Speech: “The border goes where the movement is”**  
Huub Dijkstra, Professor of Philosophy of Science and Politics at the  
University of Amsterdam and Senior Research Fellow at the Netherlands  
Scientific Council for Government Policy in The Hague
- 19:00-20:00    **Research Frontiers:** Shahram Khosravi, Associate Professor, Department  
of Social Anthropology, Stockholm University
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- 20:00-22:00    **Welcome Reception**  
*‘Kostis Palamas’ building (Massalias and Academias Streets, Athens)*

## Friday 8/09

*All sessions take place in Rooms A/B/C/D, Department of History and  
Philosophy of Science (University Campus)*

### 9:00-10:45    **Parallel Sessions 1**

#### **Session 1-A    Technology and the Environment in Eastern Europe: A Long-term Perspective**

*Chair:* Christos Karampatsos, National and Kapodistrian University of Athens

Stephen Brain, Mississippi State University, USA  
*Early Soviet Agriculture and the World Market*

Michel Dupuy, Institut d’Histoire Moderne et Contemporaine, France  
*Pollution and public space in GDR (1949-1990)*

Viktor Pál, Jean Monnet Team, University of Helsinki, Finland  
*The Colonization of the Natural Environment in Austria-Hungary. Economic, Ethnic and  
Social Conflicts over Slovakian Forests in the late Nineteenth Century*

## **Session 1-B “Borders and power”: Nuclear power, electricity, gas and renewable energy technologies in the borders**

*Chair:* Arne Kaijser, KTH Royal Institute of Technology

*Session organizer:* Ivaylo Hristov, University of Plovdiv

Martin J. Ivanov, Institute for the Study of Societies and Knowledge, Bulgarian Academy of Sciences, Sofia, Bulgaria

*NATURA 2000 vs. Renewable Energies – Contested Territories and Nature Protection’s Borders: The Bulgarian Case*

Yannis Fotopoulos, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece

*Borderless imaginaries of techno-political infrastructures. Natural Gas in Greece from the early 1970s to the present*

Ivaylo Hristov, University of Plovdiv, Bulgaria

*Expanding the European borders. EU and Soviet nuclear technology in Bulgaria*

## **Session 1-C Travelling Technologies**

*Chair:* Eirini Mergoupi-Savaidou, Academy of Athens / Hellenic Open University

Jørgen Burchardt, National Museum of Science and Technology, Denmark

*From anarchy to international standards. The development of technical and organizational agreements around products through de facto standards and political regulations. Examples from the road freight transport business, 1900–2000*

Elitsa Stoilova, Faculty of Philosophy and History, Plovdiv University, Bulgaria

*Food Technologies and Technological Transfers*

Leda Papastefanaki, Department of History-Archaeology, School of Philosophy, University of Ioannina, Greece

*Gendered technology crossing borders: The sewing machine in the Mediterranean (mid 19th-mid 20th centuries)*

Serkan Karas, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece, &

Stavroula Michael, Department of Architecture, University of Cyprus, Cyprus

*Traversing continents, appropriating localities: A look at British colonial engineering expertise through the case of Cyprus (1898-1962)*

## **Session 1-D Border Visions: Experiments and asymmetries**

*Chair:* Nils Zurawski, University of Hamburg, Germany

Eileen Murphy, Centre for Innovative Human Systems, Trinity College Dublin, Ireland, &

Mark Maguire, Department of Anthropology, Maynooth University, Ireland

*Slow down, borders ahead: The cultural history of automated borders*

Merle Missoweit, Fraunhofer Institute for Technological Trend Analysis (INT), Germany

*Border control technology, from participatory research to the visualization of societal challenges*

Peter Fussey, Department of Sociology, University of Essex, UK

*Seeing hidden enemies: surveillance, counterterrorism and border control*

10:45-11:00 Coffee break

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## **11:00-12:45 Parallel Sessions 2**

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### **Session 2-A Siting nuclear installations at the border: Transnational political implications and societal responses**

*Chair/Commentator:* Per Högselius, KTH Royal Institute of Technology  
*Session organizers:* Arne Kaijser, Astrid Kirchhof, Jan-Henrik Meyer & Markku Lehtonen

Arne Kaijser, KTH Royal Institute of Technology, Sweden  
*"Vad ska väck? Barsebäck!": The Barsebäck power plant in Swedish energy politics*

Jan-Henrik Meyer, Saxo Institute of the University of Copenhagen, Denmark / Center for Contemporary History (ZZF), Potsdam, Germany  
*"20 km from Copenhagen market square": Danish perspectives on the Swedish nuclear power plant Barsebäck*

Markku Lehtonen, Groupe de Sociologie Pragmatique et Réflexive (GSPR), l'Ecole des Hautes Etudes en Sciences Sociales (EHESS), Paris, France / Science Policy Research Unit (SPRU), University of Sussex, UK  
*Breeding transnational responses: The Superphénix fast breeder reactor: cross-border collaboration, protest and consequences*

Astrid Mignon Kirchhof, Deutsches Museum, Munich, Germany  
*Crossing Permeable Borders at the Gorleben Nuclear Facility*

### **Session 2-B Bridge over Troubled Waters – Border crossing development of technological systems in the Cold War**

*Chair:* Ana Simões, CIUHCT, Universidade de Lisboa  
*Session organizers:* Johan Gärdebo & Saara Matala

Saara Matala, Aalto University, Finland, &  
Aaro Sahari, University of Helsinki, Finland  
*Towards transnational history of the Arctic maritime technology*

Mila Oiva, University of Turku, Finland  
*Trade Crossing Eastern Bloc Borders. An Example of Transnational History of Polish-Soviet Trade*

Johan Gärdebo, KTH Royal Institute of Technology, Sweden  
*We have a solution, what is the problem? Why Sweden developed transnational satellite observation as aid to South Asia, 1986-1988*

### **Session 2-C There to Stay: Articulating the tension between volatility and entrenchment in border regimes infrastructures**

*Chair:* Annalisa Pelizza, University of Twente / Paris Institute of Advanced Studies  
*Session organizer:* Annalisa Pelizza

Annalisa Pelizza, University of Twente, the Netherlands / Paris Institute of Advanced Studies  
*There to Stay: Articulating the tension between volatility and entrenchment in border regimes infrastructures*

Melina Antonakaki, Munich Centre for Technology in Society (MCTS-TUM), Germany, & Bernd Kasperek, Network for Critical Migration and Border Regime Studies (kritnet)  
*Europeanisation on whose terms? What remains of the hotspot approach after the Summer of Migration*

Mariangela Veikou, University of Twente, the Netherlands  
*(Post crisis) asylum in Greece. Manoeuvring between Crisis and Statelessness*

Silvan Pollozek, Munich Center for Technology in Society (digital/media/lab@MCTS), Germany  
*Reform&support: Interventions on infrastructures of border and migration management*

Vasilis Galis, IT University of Copenhagen, Denmark, & Jane Summerton, Swedish National Road and Transport Research Institute, VTI, Sweden  
*Digital Routes: Borders, infrastructures and migratory practices in navigating migratory paths in contemporary Europe*

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12:45-14:30 Lunch break – Guided tours

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### **14:30-16:15 Parallel Sessions 3**

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#### **Session 3-A International Broadcasting: Challenges in Comparative Radio Research in Eastern Europe**

*Chair:* Andreas Fickers, University of Luxemburg

Dariusz Brzostek, Department of Cultural Studies, Nicolaus Copernicus University, Toruń, Poland  
*Copy (the music) and share (the tape). On the Institutionalization of the bootlegging in the Polish People's Republic*

András Simongáti-Farquhar, Open Society Archives, Budapest, Hungary  
*Battlefield and territorialization in the ether. Strategies of territorial rearrangement and ideological warfare in the electromagnetic domain*

Georgi Georgiev, Central European University, Budapest, Hungary  
*Balloons across the Iron Curtain: Reshaping Cold War Borders using Meteorological Imagination*

Ruxandra Petrinca, McGill University, Canada  
*"Auch polenta explodiert." Radio Free Europe and Romanian Political Opposition to Ceausescu's Regime*

Joanna Walewska, Nicolaus Copernicus University, Toruń, Poland  
*Listening through the Iron Curtains – RFE and Polish Radio in the "fog of war"*

#### **Session 3-B Introduction to the research platform: National and transnational governance of risk during the era of political transformations**

*Chair/Commentator:* Ivan Tchalakov, University of Tomsk and Plovdiv  
*Session organizer:* Karl-Erik Michelsen

Karl-Erik Michelsen, Lappeenranta University of Technology, Finland  
*Introduction to the research platform*

Aisulu Harjula, Lappeenranta University of Technology, Finland  
*Transnational Risk Governance in Nuclear Power: Eastern Europe*

Karl-Erik Michelsen, Lappeenranta University of Technology, Finland  
*Stereotypical views and the perception of risk. The case of VVER-reactors in Eastern Europe after the collapse of the Soviet Union 1991*

### **Session 3-C Sustainable Urban Mobility**

*Session organizer:* Frank Schipper, Independent Scholar  
*Chair:* Aleksandra Bekasova, Higher School of Economics, St. Petersburg, Russia

Martin Emanuel, Uppsala University, Sweden,  
Ruth Oldenziel, Eindhoven University of Technology, the Netherlands, &  
Frank Schipper, Independent Scholar  
*History in Sustainable Urban Mobility: An introduction*

Patrick Bek, Eindhoven University of Technology, the Netherlands  
*Transport Poverty, Governance, and Cycling*

Henk-Jan Dekker, Eindhoven University of Technology, the Netherlands  
*Building a nation of cyclists: The governance of Dutch cycling, 1920-1940*

M. Luísa Sousa, CIUHCT, Universidade NOVA de Lisboa, Portugal  
*Conceptualizing Sustainability and the Urban Question Historically*

### **Session 3-D Borders and Technologies**

*Chair:* Spyros Tzokas, Institute of Mediterranean Studies / Hellenic Open University

Nina Amelung, Centre for Social Studies, University of Coimbra, Portugal, &  
Helena Machado, Centre for Social Studies, University of Coimbra, Portugal  
*Affected for good or evil: Conceptions of “citizenship” and “publics” shaped by crime management technologies*

Federica Infantino, Group for Research on Ethnic Relations, Migration and Equality, Université Libre de Bruxelles, Belgium / Wolfson College, University of Oxford, UK  
*Outsourcing border control. Politics and Practice of Contracted Visa Policy in Morocco*

Lino Camprubí, Max Planck Institute for the History of Science, Germany  
*Oceanic Technologies for a New European Border*

Dimitrios Ziakkas, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece  
*Migration and Border Studies: Search and Rescue missions of Greek Air Force, 1975- 2016: Critical episodes and migration crisis*

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16:15-16:30 Coffee break

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## 16:30-19:00 Plenary session

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### Tensions of Europe Plenary Session and Workshop:

(Room A) ***Challenging Prometheus and Clio: A History of Technology for an Age of Grand Challenges***

*Session organizer & Chair:* Erik van der Vleuten, on behalf of the ToE Management Committee

## Saturday 9/09

*All sessions take place in Rooms A/B/C/D, Department of History and Philosophy of Science (University Campus)*

## 9:00-10:45 Parallel Sessions 4

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### Session 4-A Technology, natural resources and crises in the past and present of Europe and beyond (I): Knowledge/Resource Circulation

*Chair:* Vaso Seirinidou, National and Kapodistrian University of Athens

*Session organizers:* Elena Kochetkova & Matthias Heymann

Alexandra Bekasova, Higher School of Economics, St.Petersburg, Russia

*The International Network of Testing Materials Experts and “The Cement Question”:  
Negotiating Methods, Instruments and Technical Protocols, 1880-1915 (Seen from Imperial  
Russia Perspective)*

Matthias Heymann, Aarhus University, Denmark

*Climatic challenges and water scarcity: International cooperation in the UNESCO Arid Zone  
Programme*

Sławomir Łotysz, Institute for the History of Science, Polish Academy of Sciences, Warsaw,  
Poland

*Engineering for social order? Ethnical and societal aspects of planned draining of the Polesie  
Marshes in interwar Poland*

### Session 4-B Stations, Labs and Satellites: Real and Imagined Infrastructures in Outer Space

*Chair:* Erik van der Vleuten, Eindhoven University of Technology

Alexander C.T. Geppert, New York University, Shanghai/New York

*Astropoleis: Space Stations and Colonization Scenarios through the 1970s*

Tilman Siebeneichner, Zentrum für Zeithistorische Forschung, Potsdam, Germany

*Thinking Trans-globally: Spacelab and Europe’s Future in Outer Space, 1973–1987*

Martin Collins, Smithsonian National Air and Space Museum, Washington DC, USA

*The Neoliberal Imaginary and Space-based Infrastructure in the 1990s: The Case of Iridium  
and Satellite Telephony*

### Session 4-C Science diplomacy: Some methodological aspects

*Round table discussion*

*Chairs:* Leonard Laborie, National Center for Scientific Research (CNRS), &  
Maria Rentetzi, National Technical University of Athens

*Participants:* Nina Wormbs, KTH Royal Institute of Technology,  
Anna Åberg, Chalmers University of Technology,  
Katerina Vlantoní, National and Kapodistrian University of Athens, &  
Matthew Adamson, University of Veterinary Medicine Budapest

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10:45-11:00 Coffee break

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## **11:00-12:45 Parallel Sessions 5**

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### **Session 5-A Technology, natural resources and crises in the past and present of Europe and beyond (II): Colonizing Resources**

*Chair:* Nina Wormbs, KTH Royal Institute of Technology

*Session organizers:* Elena Kochetkova & Matthias Heymann

Karl Bruno, KTH Royal Institute of Technology, Sweden

*Whose Business? Swedish Foreign Policy and Commercial Natural Resource Interests in Liberia, 1955–80*

Per Högselius, KTH Royal Institute of Technology, Sweden, &

Dag Avango, KTH Royal Institute of Technology, Sweden

*Small countries and European resource colonialism during the short 20<sup>th</sup> century*

Ihediwa Nkemjika Chimee, University of Nigeria, Nigeria

*The transformative power of European technology in resource exploitation and use: Reflections on the oil presses and rail lines of colonial Nigeria*

Roberto Cantoni, Sciences Po, Paris, France

*Not the green grabbing you would expect. The case of Morocco's Noor solar plant*

### **Session 5-B Communication across borders: Visions, threats and political conflict around transnational communication infrastructures in twentieth century European history**

*Chair:* Falk Flade, European-University Viadrina

*Session organizer:* Andreas Marklund

Jacob Ward, University College London / Science Museum, UK

*The Single World System: Submarine Cables and Satellites from the Cold War to the Information Age*

Christian Henrich-Franke, Collaborative Research Centre 'Media of Cooperation' at the University of Siegen, Germany, &

Leonard Laborie, National Center for Scientific Research (CNRS), Paris, France

*Communication without Borders? Transnational Cooperation between European PTTs during WWII*

Sanne Aagaard Jensen, University of Copenhagen / ENIGMA – Museum of Communication, Copenhagen, Denmark

*Borders in peace, borders in war: The telex-gentex networks of Cold War Europe*

Andreas Marklund, ENIGMA – Museum of Communication, Copenhagen, Denmark

*Trawling the Wires: Mass Surveillance of Transnational Telephony in Denmark around WWII*

## **Session 5-C Technology, Colonialism, Post-colonialism**

*Chair:* Serkan Karas, National and Kapodistrian University of Athens

Hugo Silveira Pereira, CIUHCT, Universidade NOVA de Lisboa, Portugal / Institute of Railway Studies, University of York, UK

*Tensions in the border II: New insights on transnational railways – the Portuguese colonial case (1870s-1900s)*

M. Luísa Sousa, CIUHCT, Universidade NOVA de Lisboa, Portugal

*Modernising Angola and Mozambique during the colonial wars: Discourses, practices and road engineering at the service of the war effort*

Ute Hasenöhr, University of Innsbruck, Austria

*Rural electrification in the British Empire*

John Laurence Busch, Independent historian

*Liberté et Mobilité pour Humanité: The Breakdown of Borders Using the First High Technology*

## **Session 5-D Technologies, Borders, Ideologies**

*Chair:* Vasilis Galis, IT University of Copenhagen

Matthew G O'Neill, Queen's University Belfast, UK

*The Irish Border: Its Symbolic Past and Technological Future*

Helena Machado, Centre for Social Studies, University of Coimbra, Portugal,

Rafaela Granja, Centre for Social Studies, University of Coimbra, Portugal,

Marta Martins, Faculty of Economics and Centre for Social Studies, University of Coimbra, Portugal, &

Sara Mato, Faculty of Economics and Centre for Social Studies, University of Coimbra, Portugal

*Criminalisation across borders: Geopolitical tensions, and categories of otherness and suspicion*

Jaume Sastre-Juan, CIUHCT, Universidade de Lisboa, Portugal

Ferran Aragon, Centre d'Història de la Ciència – Universitat Autònoma de Barcelona,

Ana Macaya-Andrés, Centre d'Història de la Ciència – Universitat Autònoma de Barcelona,

& Jaume Valentines-Álvarez, CIUHCT, Universidade NOVA de Lisboa, Portugal

*Razor Wire in Fortress Europe: Technology, Pain and the Control of Space*

Olga Lafazani, Department of Anthropology, Universitat de Barcelona. Spain

*The refugee camp as a technology of control in time and space: Experiences from Greece*

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12:45-14:30 Lunch break – Guided tours

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## **14:30-16:15 Parallel Sessions 6**

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### **Session 6-A Technology, natural resources and crises in the past and present of Europe and beyond (III): Management of Natural Resources**

*Chair:* Vaso Angelopoulou, National and Kapodistrian University of Athens

*Session organizers:* Elena Kochetkova & Matthias Heymann

Margarita Dadykina, Higher School of Economics, St.Petersburg, Russia, &  
Alexei Kraikovski, Higher School of Economics, St.Petersburg, Russia  
*The 18th century whaling companies and the imagination of natural resources of the European Arctic*

Timo Myllyntaus, University of Turku, Finland  
*From wooded wilderness to the brink of an ecological crisis: The Finnish debate on forestry and the rational use of timber in the 18<sup>th</sup> and 19<sup>th</sup> century*

Julia Lajus, National Research University Higher School of Economics, Russia  
*First World War food crisis, inventory of fish resources and discussions on new fishing technologies in Russia*

Jiří Janáč, the Czech Academy of Sciences, Czech Republic  
*The Complex Water Management and Soil Improvement Scheme for Southern Moravia*

### **Session 6-B Infrastructural technologies in peripheral European contexts**

*Chair:* Leonard Laborie, National Center for Scientific Research (CNRS)

Aliki Vaxevanoglou, Research Center for Greek Society, Academy of Athens, Greece  
*The Social Reception of Electrical Technology in Interwar Greece*

Duygu Aysal Cin, Department of Rare Books, Istanbul Technical University, Turkey  
*Transnational Circulation of Knowledge and Skills around Ottoman Electrification (1910-1914)*

Alexia Sofia Papazafeiropoulou, National Technical University of Athens, Greece,  
Frank Schipper, Independent Scholar, &  
Kostas Vattes, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece  
*Gazing at the West. The transnational orientations of Balkan mobility infrastructure during 1950 – 1960*

Maria Mavroidi, Historical Archives of the Public Power Corporation S.A., Greece / Greek Section of TICCIH (The International Committee for the Conservation of the Industrial Heritage)  
*The Greek machine-making sector: An untold story of technology transfer and integration*

Julia Erol, University of Heidelberg, Germany  
*Beyond Borders. The significance of Norwegian hydroelectricity. [Poster presentation in the context of the session]*

### **Session 6-C Sites of Capital: Science, Technology and Medicine in Lisbon**

*Chair/Commentator:* Tiago Saraiva, Drexel University  
*Session organizers:* Marta Macedo & Ana Simões

Marta Macedo, Institute of Social Sciences – University of Lisbon, Portugal  
*Capital streets: Science, credit, and crisis in Lisbon, 1837-1892*

Ana Simões, CIUHCT, Universidade de Lisboa, Portugal, &  
Maria Paula Diogo, CIUHCT, Universidade NOVA de Lisboa, Portugal  
*Working-class neighborhoods in Lisbon: Circulation of workers and capital in building a techno-scientific metropolis*

José Avelãs Nunes, University of Coimbra / CIUHCT, Universidade de Lisboa, Portugal  
*Dirty money, dirty hands: Circulating and containing diseases in Lisbon (1850-1940)*

João Machado, CIUHCT, Universidade de Lisboa, Portugal  
*New Ghosts of Scientific Lisbon: Visualizing strategies for the humanities*

## **Session 6-D Borders and migrations**

*Chair:* Dagmara Jajeśniak Quast, European University Viadrina

Iossif Konstantinou, Department of Communication, Media and Culture, Panteion University, Greece

*Media, Technologies and Migration: Connecting Syrian families in Greece*

Naoki Kambe, Rikkyo University, Tokyo, Japan

*Perspective by Incongruity in Juxtaposed Photographs: Memories of Idomeni Refugee Camp*

Rasheed Oyewole Olaniyi, Department of History, University of Ibadan, Nigeria

*The Gateman of Europe: Muammar Gaddafi and Anti-African Immigration Policies in Libya, 2004-2011*

Sławomir Kamosiński, Kazimierz Wielki University, Poland

*Why don't economic migrants from Ukraine take up jobs in their professions? Research on qualifications and employment of persons crossing borders for commercial purposes*

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16:15-16:30 Coffee break

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## **16:30-18:00 Plenary session**

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(Room A) **Keynote Speech:** “Gendered technologies of everyday survival in the city: Experiences from Athens”

Dina Vaiou, National Technical University of Athens

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## **20:15- 02:00 Conference Banquet**

*Chytirio Theater / Art cafe (Iera Odos 44, Kerameikos, Athens)*

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## **Sunday 10/09**

*All sessions take place in Rooms A/B/C/D, Department of History and Philosophy of Science, University Campus*

## **10:00-11:45 Parallel Sessions 7**

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### **Session 7-A Technology, natural resources and crises in the past and present of Europe and beyond (IV): Crisis and Resource Management**

*Chair:* Anna Åberg, Chalmers University of Technology

*Session organizers:* Elena Kochetkova & Matthias Heymann

Hanna Vikström, KTH Royal Institute of Technology, Sweden

*Is there a Supply Crisis? Swedish Strategic metals, 1917-2015*

Elena Kochetkova, National Research University, Higher School of Economics, Saint-Petersburg, Russia

*Soviet Natural Resources and Technological Development, 1940s-1980s*

Frank Veraart, Eindhoven University of Technology, the Netherlands  
*Gravel and space, from a vital resource to the offshoring of an abundant material: Gravel excavations policies in the Netherlands, 1945-2015*

Ole Sparenberg, University of the Saarland, Germany  
*Technology, natural resources and crises in the past and present of Europe and beyond*

### **Session 7-B Technologies Control, Hazards, Risks**

*Chair:* Stathis Arapostathis, National and Kapodistrian University of Athens

Anna Svensson, KTH Royal Institute of Technology, Stockholm, Sweden  
*Walls: Control, protection and survival in an early modern botanic garden*

Iraklis Katsaloulis, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece  
*Mitigating Natural Hazards: The Case of Earthquake Prediction in Contemporary Greece*

Christos Karabatsos, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece  
*Machinery Dysfunction as a Bridge Between Labor History and the History of Technology: The Case of the Greek Cigarette Rollers, 1880-1920*

### **Session 7-C (Bio)Medicalization and technologies**

*Chair:* Alexia Sofia Papazafeiropoulou, National Technical University of Athens

Stevienna de Saille, University of Sheffield, UK  
*Banning embryonic migration: European-level regulation of human reproductive cloning, and the implications for heritable genetic modification using CRISPR-Cas9*

Mattia Della Rocca, University of Pisa / Campus Bio-Medico University of Rome, Italy  
*Brain, technology and the Human Brain Project: How “big brain science” is reshaping the borders of brain research*

Magdalena Zdrodowska, Institute of Audiovisual Arts, Jagiellonian University, Poland  
*Technology as an identity border within deaf communities*

Constantinos Morfakis, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece, &  
Katerina Vlantoni, Department of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece  
*Hybrid configurations of umbilical cord blood banking in Greece*

### **Session 7-D Infrastructuring Borders**

*Chair:* Peter Ulrich, European-University Viadrina  
*Session organizers:* Dominik Gerst & Peter Ulrich

Dominik Gerst, Viadrina Center B/ORDERS IN MOTION, European-University Viadrina (Frankfurt/Oder), Germany, &  
Peter Ulrich, Viadrina Center B/ORDERS IN MOTION, European-University Viadrina (Frankfurt/Oder), Germany  
*Infrastructuring Borders*

Martin Klatt, University of Southern Denmark, Denmark  
*Spaces of Place or Spaces of Flows? The resilience of territorial border infrastructure in a globalized world, examples from Europe and North America*

Holger Pötzsch, University of Tromsø, Norway  
*Managing Migration: On iBorder and Technological Zones/Work*

Katrin Sowa, University of Cologne, Germany  
*Officers, Passports and Machines: Immigration Law Enforcement at a Border Post, Perspectives from the Global South*

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*End of Conference*

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