

Wednesday 11:00-12:30 – Early Career Scholars Network Event

Room: K (auditorium La Fontaine)

We are happy to announce that the ESHS Early Career Network, GEWINA – Belgian-Dutch Society for the History of Science and University and the Science History Institute will co-host a networking round table for early-career researchers in the history of science, universities, and knowledge in general.

Short introduction by

- Alexia Coussement, Ph.D. Candidate at Power in History - Centre for Political History (University of Antwerp) for Gewina
- Dr Charlotte A. Abney-Salomon, Director, Beckman Center for the History of Chemistry for the Science History Institute

Presentation of the ESHS Early Career Network

- Alexander Stöger, Post-Doctoral Fellow at Leiden University and Representative of the Early Career Network of the ESHS

Wednesday 13:00-13:30 – Welcome and Introduction to the ESHS Brussels 2022 Conference

Room: K (auditorium La Fontaine)

Chair: Kenneth Bertrams (ULB) and Steffen Ducheyne (VUB)

Welcome by Professor Marius Gilbert, Vice-Rector for Research of the Université Libre de Bruxelles

Dr Thomas Dermine, Secretary of State for Economic Recovery and Strategic Investments, in charge of Science Policy

Dr Brigitte Van Tiggelen, Science History Institute and co-chair of the ESHS Brussels 2022 Steering Committee

Professor Theodore Arabatzis, ESHS President

Wednesday 13:30-15:00 – Plenary Lectures

Neuenschwander Prize 2020 Lecture

Room: K (auditorium La Fontaine)

Chair: Ana Simões and Erwin Neuenschwander

Kostas Gavroglu “The Sisyphean Fate of Historians of Science”

Plenary lecture ESHS President-Elect 2020

Room: K (auditorium La Fontaine)

Chair: Ana Simões

Theodore Arabatzis “History of Science and its Interlocutors in the Humanities”

Wednesday 15:30 – 18:00 – Plenary Lectures

Early Career Lecture 1

Room: K (auditorium La Fontaine)

Chair: Roberto Lalli

Gemma Cirac-Claveras “Data Stories: Satellites, History, and the Making of a Digital Climate”

Early Career Lecture 2

Room: K (auditorium La Fontaine)

Chair: Simone Turchetti

Sam Robinson “Ocean Science Diplomacy: The History of a Fluid Concept”

Early Career Lecture 3

Room: K (auditorium La Fontaine)

Chair: Maria Paula Diogo

M. Luísa Sousa “From Transport to Mobility: Alternatives, Resistance, Justice, and the Mobilization of the History of Science and Technology”

Wednesday 18:00- 20:00 Welcome Reception

Hall des Marbres

Thursday 09:00-10:30 – Plenary Lectures

Neuenschwander Prize 2022 Lecture

Room: K (auditorium La Fontaine)

Chair: Theodore Arabatzis and Erwin Neuenschwander

Simon Schaffer “Orientations and Disorientations in History of the Sciences”

Plenary Lecture ESHS President-Elect 2022

Room: K (auditorium La Fontaine)

Chair: Theodore Arabatzis

Dana Jalobeanu “The Fictional Politics of Scientific Collaboration: Solomon Houses in Early Modern Europe”

Thursday 11:00-13:00 - Sessions

3 - Genes, Ghosts, and Icons: Networks of (Amateur) Scientists and the Conservation, Collection, and

Circulation of Animals in the Turbulent 20th Century

Room: AY.2.107

Organiser: Simone Schleper

Chair: Leo Chu

Animal-Catching and Cryptozoology: On Charles Cordier's Economy of Hidden Animals
- Raf de Bont

Averting Extinction: The Emergence of Genetic Management of Small Captive Populations of Wildlife and the Case of the Przewalski's Horse (*Equus Przewalskii*)
- Monica Vasile

The Ruddy Duck in Europe: A Case of Late-20th Century Invasive Species Control
- Vincent Bijman

Victims and Diplomats: White Storks and Images of Expertise in Postwar Ornithology
- Simone Schleper

19 - Science and Infrastructures of Empire

Room: AY.2.114

Organiser: Sarah Qidwai

Chair: Sarah Qidwai

Securing the Southern Skies: Astrophotography and Leiden Observatory's Search for a Southern Station
- Chaokang Tai

German Astronomical Expeditions as Users and Builders of Infrastructure
- Katharina Bick

Geological Surveys and the Expansion of Colonial Empires
- Sarah Qidwai

Comment : Edward Gillin

22 - Science Policies and Scientific Collaboration - 1

Room: AW.1.121

Organiser: Luca Guzzardi

Chair: Gerardo Ienna

Domain-specific Explanatory Norms and Scientific Collaboration
- Chiara Lisciandra

The Rise of Multi-messenger Astrophysics between Coordination and Collaboration

- Luca Guzzardi

Growth and Diversification of Research Topics: 30 years of Climate Change Research

- Carlo Debernardi

Michel Serres and the Groupe des Dix

- Massimiliano Simons

35 - Science Diplomacy and Politics - 1

Room: H.1.302

Organisers: Matthew Adamson & Doubravka Olšáková

Chair: Sam Robinson

The Other Needham and China: Situating Dorothy Needham in Sino-British Science Diplomacy, 1944-1972

- Gordon Barrett

Turning the World Upside Down. The naturalist Correia da Serra and the American Hemisphere Project

- Ana Simões & Maria Paula Diogo

When 'Purity' meets Politics. High-energy Physics in the Early Cold War Period

- Barbara Hof

43 - Boundings and Unboundings in the Sciences: Gender, Experimentation, and Authority - 1

Room: H.2.215

Session organisers: María Jesús Santesmases & Andrea Núñez Casal

Chair: María Jesús Santesmases

The Science of the Letter: Microbiome Science, Proto-Immunology and Dispatches from Other Worlds

- Andrea Núñez Casal

Gendered Diplomacy of the Spaces of Material Practices of Science: Inclusion, Collaboration, Marginalization in France between two Revolutions (1789-1848)

- Isabelle Lémonon-Waxin

Sealing-Wax and String: How Everyday Things Carried Gender into the Physical Laboratory

- Donald L. Opitz

The History of Gender Mainstreaming Policies at German and Austrian Academies of Science in comparison: Preliminary Results and further Discussion Points

- Sandra Klos

48 - History and Histories of Solvay Institutes: The Centennial of the First Chemistry Council and Beyond.

Room: H.1.301

Organisers: Alessio Rocci & Yoanna Alexiou

Chair: Brigitte Van Tiggelen

Debates on the Intersection between Chemistry and Physics at Solvay Councils
- Alessio Rocci

A Hundred Years of Solvay Councils on Chemistry (1922-2022): A Unique and Adaptive Model of Conference

- Yoanna Alexiou

Scientific and Social Developments in Chemistry as Mirrored by the Solvay Chemistry Councils, 1922-1937

- Ernst Homburg

Discussion

49 - Communicating Astral Knowledge through Tables, Diagrams, Instruments, and Images (ca. 10th – 16th Century)

Room: AY.2.108

Organisers: Stefan Zieme & Anna Jerratsch

Chair: Matthieu Husson

An Astronomical Toolbox for a Theologian: John of Lignères's Work for Robert de Bardis
- Eleonora Andriani

On the Transmission and Translations of the Almagest: A Network Analysis
- Stefan Zieme

Diagrams for Visualizing Structure and Motion in Islamicate Astronomy: The Case of the Moon
- Scott Trigg

Visualizing Cometary Knowledge: Three Cases from 1556
- Anna Jerratsch

57 - Making Legitimate Science in Tumultuous Times: Semantics, Communication, and the Public in Late-Enlightenment France (1773-1811)

Room: AW.1.126

Organiser: Valentine Delrue

Chair: Stéphane Van Damme

What a Comet can Make to You
- Ilaria Ampollini

Making 'Deposits'. The Mesmeric *Dépôt* and (Il)legitimacy (1779-1784)
- Chloé Conickx

Useful or Useless? The French Public as an Actor in Constructing Credibility for Atmospheric Tides
Meteorology (1799-1811)
- Valentine Delrue

Comment: Stéphane Van Damme

62 - From Akademgorodok to Science Park: The Political Economy of Research Spaces (1945-2000)

Room: UB.2.147

Organisers: Jorrit Smit & Timofey Rakov

Chair: Cyrus Mody

The Land of Tomorrow: Exporting Scientific Siberia to the United States (1975)
- Ksenia Tatarchenko

Big Science in an Age of Valorisation: From Distance to Proximity through a Virtual Campus (1990 –
2020)
- Hein Brookhuis

Science Parks in the Polder. The Political Economy of Spaces for Knowledge Transfer in the Netherlands
(1970-1990)
- Jorrit Smit

Forests of the Academy: Connecting Nature and Urban in Soviet Science-Cities
- Mikhail Piskunov & Timofey Rakov

67 - Computing Politics in Late 20th and Early 21st Century - 1

Room: AW.1.120

Organisers: Arianna Borrelli & Liesbeth De Mol

Chair: Liesbeth De Mol

No Limits? The Entangled History of Global Dynamics ca. 1972
- Sebastian Randerath & Jacob Birken

Abstraction as Power: The making of Computer Science in the Age of High Modernism (1950-1970)

- David Nofre

How to Trust a Blockchain-based Cryptocurrency? Conceptual Challenges of the Politics of Trust in Blockchain Systems

- Katja Stoppenbrink & Eva Pöll

71 - Counter-Knowledge – 1. Forms and Practices

Room: AW.1.125

Organiser: Alexander von Schwerin

Chair: Alexander von Schwerin

Poverty Research or Research Poverty: The Evolution of Knowledge Production by Poverty Actors through Three Cases (Belgium 1950-1980)

- Els Minne

Media Techniques and Knowledge Production of Anti-Psychiatric, Feminist, and Esoteric Groups in West-Germany, 1967-1991

- Susanne Doetz

(En)countering the World System: System Dynamics as Counter-Knowledge and Hegemonic Toolkit

- Jacob Birken & Sebastian Randerath

Thursday 13:00-14:00 – Lunch & ERC Brownbag

Outreach session on the ERC funding opportunities for historians of science

Room: H.1.309

The main aim of the ERC Brownbag session is to present the ERC funding schemes (Starting, Consolidator, Advanced and Synergy grants), the specificities of the SH6 “The study of the human past” panel and the potential of these grants for applicants at different career stage (from post-doctoral researchers to well-established historians) in the field of history of science. Two ERC grantees will then present their experiences in going through the selection procedure and running ERC projects in this field.

Introduction and presentation of the ERC grant opportunities for potential applicants in the field of history of science

- Dr. Flavia Cumoli (ERC Scientific Department, Brussels)

- Dr. Matthieu Husson (CNRS, Observatoire de Paris), PI ERC project “ALFA Shaping a European Scientific Scene: Alfonsine Astronomy” presents his research and experience

Thursday 14:00-16:00 - Sessions

9 - The Scientization of Central Banks – 1. Sociology and Measurement of Scientization

Room: AW.1.126

Organisers: Aurélien Goutsmedt & Francesco Sergi

Chair: Matthias Thiemann

Professional Decoupling or Interrelated Intellectual Field? The Relationship Between Central Banks Knowledge Production and Academia
- Edin Ibrocevic

The Banque de France as a power-knowledge configuration. A socio-historical case study of a scientized central bank?
- Maxence Dutilleul

Scientific Trajectories of Central Bank Governors in the World: A Global Comparison 2000-2020
- Aykiz Dogan & Frédéric Lebaron

Researching the Research: A Central Bank Edition
- Simona Malovana, Martin Hodula & Zuzana Gric

12 - The Office as a Place of Production, Adaptation and Circulation of Scientific and Academic Knowledge

Room: AY.2.114

Organiser: Thomas Brandt

Chair: Thomas Brandt

The Academic Office Through Photographs: Making identity and Knowledge at the Norwegian University of Science and Technology (NTNU) from the 1910s to the 2020s
- Annette Lykknes & Magne Brekke Rabben

Conceptualizing and Situating Knowledge Production: The Academic Office in History and Theory, and Locally at the Dragvoll University Campus in Trondheim
- Mattias Bäckström & Thomas Brandt

Sites of Knowledge – Sites of Negotiation: The Role of Seminar Rooms in Institutionalizing Research and Education
- Daniel Normark & Lars Fälting

Discussion

23 - Science Policies and Scientific Collaboration - 2

Room: AW.1.121

Organiser: Luca Guzzardi

Chair: Chiara Lisciandra

Not More than Exchanging Tools: Early Encounters between Mathematical Economists and the Behavioral Sciences Movement, 1950-56

- Catherine Herfeld

Paths that did not Cross. The Failed Collaboration between Philosophy of Science and Science Policy in the Second Half of the Twentieth Century

- Eugenio Petrovich

Collaboration Gone Sour: The Case of History and Philosophy of Science

- Matteo Vagelli

Discussion

36 - Science Diplomacy and Politics - 2

Room: H.1.302

Organisers: Matthew Adamson & Doubravka Olšáková

Chair: Simone Turchetti

The Politics of Technological Instruments or the Whole-Body Counter as a Mute Diplomat

- Clara Florensa

A Southern Soft Power? The idea of a House for Brazilian scholars at the International University City of Paris in the Interwar Period

- Luciana Vieira & Silvia Figueirôa

East-European Challenges of Pugwash: Critical Milestones in East-West Cooperation across the Iron Curtain

- Doubravka Olšáková

Institutionalizing Physics between Global Ambitions and Geopolitical Constraints: The History of IUPAP as a Hybrid Science Diplomacy Agent

- Roberto Lalli

44 - Boundings and Unboundings in the Sciences: Gender, Experimentation, and Authority - 2

Room: H.2.215

Organisers: María Jesús Santesmases & Andrea Núñez Casal

Chair: María Jesús Santesmases & Andrea Núñez Casal

Between the Home Kitchen and the Hospital Laboratory: Margaret Lasker's Path to Scientific Authority

- Nurit Kirsh

Images, Narratives, and Gender: Research Cultures in Spain during Franco's Dictatorship

- Ana Romero de Pablos

Women Microbiologists: Approaching the Spanish Antibiotic Research Community (1975-1990)

- Isabel M. Gómez Rodríguez

“Hopelessly Devoted to Science!” Gendered Diplomacy of the Spaces and Material Practices of Science: Cécile and Alexandre Brongniart Couple (19th century, France)

- Martine Mille

58 - Amateurs and Precision Instruments in the Second Half of the 18th Century

Room: AY.2.107

Organisers: Rossella Baldi & Sibylle Gluch

Chair: Sibylle Gluch

Shaping a Community of Customers: Amateurs and Josiah Emery's Lever Escapement Timekeepers

- Rossella Baldi

Precision and Hauch's Cabinet de Physique, late-18th Century

- Jan Tapdrup

The Eighteenth-Century 'Amateur' Scientist at Home

- Leonie Hannan

Discussion

65 - Religion, Institutions, and Politics in the Cosmological Debates of Early Modern Catholic Countries

Room: H.1.301

Organiser: Rodolfo Garau

Chair: Pietro Daniel Omodeo

Regiomontanus' Paduan Lecture of 1464, the Byzantine Intellectual Heritage, and the Greco-Arabic Roots of Astronomical Studies in Early Modern Italy

- Alberto Bardi

Astrology and the Meaning of History: Girolamo Cardano and the Roman Inquisition

- Jonathan Regier

Giovanni Battista Riccioli (1598-1671) and the Quest for the Best Astronomical Theory

- Flavia Marcacci

Gassendi vs Morin: Galileanism, Astrology, and Patronage.

- Rodolfo Garau

68 - Computing Politics in Late 20th and Early 21st Century - 2

Room: AW.1.120

Organisers: Arianna Borrelli & Liesbeth De Mol

Chair: Arianna Borrelli

Expert Systems as a Bridging Technology: From Technology Policy to Innovation Policy in the Federal Republic of Germany

- Jakob Tschandl

The German Research Center for Artificial Intelligence (DFKI)

- Rudolf Seising

An Interdisciplinary Approach to the Design of Autonomous Systems

- Daniel Trusilo

72 - Counter-Knowledge – 2. In Context

Room: AW.1.125

Organiser: Alexander von Schwerin

Chair: Alexander von Schwerin

Occupational Medicine in Italy: Radical Movements and the Emergence of a New Approach (1960-1980)

- Roberto Gronda, Mauro Capocci & Giulia Frezza

Nuclear Counter-Knowledge: Counter-Experts and Nuclear Risk in West Germany (1970s-1980s)

- Stefan Esselborn

Criminal or Sick? Experts, Activists and the Decriminalization of Homosexuality in Post-War Austria

- Nina Kramer

How Patient Activists in Canadian Clinical Cancer Research Became Participants in the Construction of Scientific-Medical Knowledge, 1961-1991

- Fedir Razumenko

118 - Values in Science and the Authority of Science

Room: UB.2.147

Chair: Hannes Van Engeland

Scientific Truth and Scientific Authority: Merits and Limits of the Sociology of Scientific Knowledge

- Morgan Adou

What Kind of People Make Good Scientists? Knowledge and Virtue in Postwar America (1950–2000)

- Sjang L. ten Hagen and Kim M. Hajek

Gender, Ethnicity, and the Limits of Institutional Leadership in the Discovery of RNA Splicing

- Pnina Geraldine Abir-Am

Behind the Exhibit, beyond the Confidential: The Volta 1939 Conference

- Erika Luciano

126 – Education, Communication and Popularization

Room: AY.2.108

Chair: Maria Paula Diogo

Physicians and Republic of Letters in Early Modern Practice-oriented Genres of Literature

- Bohdana Divišová

A ‘Political and Politico-Academic Attack’: The Working Party for a Traveling Computer for Sixth Forms

- David E. Dunning

Visions of Science and Technology: How two Portuguese Generations Look and Perceive Science, Technology, and Popularization of Science

- Inês Nepomuceno Navalhas

Gymnasium professors awaiting a generational change and their significance for the circulation of knowledge

- Tomáš W. Pavlíček

Thursday 16:30-18:00 - Sessions

2 - Government and the Polar Sciences, 1818-2000

Room: H.1.309

Organiser: Edward Gillin

Chair: Sam Robinson

The Nature of Empire: Imperial Science and the Polar Observatory, 1818-1860

- Edward Gillin

“Continued Display of State Activity”: The Discovery Investigations (1918-1951) and State Science in the British Antarctic

- Daniella McCahey

If We’re All in Antarctica, Who’s Driving this Train? Exploring Boundary-work and the Governing of Scientific Infrastructure around Halley Research Station, 1956 –2000

- Alice Oates

10 - The Scientization of Central Banks – 2. National Paths of Central Banks Scientization

Room: AW.1.126

Organisers: Aurélien Goutsmedt & Francesco Sergi

Chair: Francesco Sergi

Economic Expertise and the International Circulation of Economic Ideas: Debating the Portuguese Central Bank

- Ana Costa & Gonçalo Marçal

The Bank of Italy's Servizio Studi: In-Between Academic and Policy Language

- Antonella Rancan

Employing Economists: The Bank of England and its First Economic Advisers, 1918–1935

- Robert Yee

34 - Small Science

Room: AY.2.107

Organiser: Xavier Roqué

Chair: Xavier Roqué

Small Science in a Big Way. Satellites, Data and Weather

- Gemma Cirac-Claveras

The Peripheral and Theoretical Origins of Quantum Statistics

- Enric Pérez Canals

The Meanings of Small Science

- Xavier Roqué

45 - Boundings and Unboundings in the Sciences: Gender, Experimentation, and Authority - 3

Room: H.2.215

Organisers: María Jesús Santesmases & Andrea Núñez Casal

Chair: Donald Opitz

Gender and the Sources for a Story on Microbials and Antimicrobials in an Industrial Research Laboratory

- María Jesús Santesmases

Betalactamases in the Clinical Microbiology Lab: Clara Roy and Antimicrobial Resistance in Barcelona during the 1980s

- Cristina Moreno

Games and Genes: Human Diversity meets Cytogenetics, Mexico 1968

- Ana Barahona

69 - Computing Politics in late 20th and early 21st Century - 3

Room: AW.1.120

Organisers: Arianna Borrelli & Liesbeth De Mol

Chair: Barbara Hof

"Computational Reproducibility": Origins and Contradictions

- Arianna Borrelli

Comment: Liesbeth De Mol

73 - Counter-Knowledge – 3. Epistemic Tensions

Room: AW.1.125

Organiser: Alexander von Schwerin

Chair: Alexander von Schwerin

Looking beyond Western Biomedicine: The Journal Curare in West Germany

- Lisa Schmidt-Herzog & Cornelius Borck

Between Science and Anti-science? Counter-universities since the 1960s

- Susanne Schregel

Naturalism and the Fight against Counter-Knowledge: The American Skeptics Movement in a Global Context

- Stephen P. Weldon

90 – Early Modern Britain

Room: AW.1.121

Chair: Steffen Ducheyne

Deciphering Isaac Newton's 'Regulae Philosophandi' and the 'Queries': A Comparative Study

- Frederik Dhondt

Newton and the Ancients, or, How I learned to Stop Worrying and love Hermes Trismegistus

- Cornelis J. Schilt

The Vital Material of Moral Virtue in Francis Bacon's Natural Philosophy

- H. Glen Taylor

124 - History of Higher Education Policy and Patents

Room: AY.2.108

Chair: Denis Diagre-Vanderpelen

Tallinn University of Technology: A Centre of Knowledge in the Periphery
- Peeter Mürsepp

Security Issues and Research Application in Interwar Czechoslovakia: A Case Study of Patent and Trademark Disputes
- Tomáš Gecko

Conflicting Views on University Governance: A Belgian Case Study (1971-2003)
- Alexia Coussement

Thursday 18:15-19.30

150 - From Life Sciences to Healthcare Provision: Lessons from Past and Present Experience

(Business History Chair Round Table)

Room: K (auditorium La Fontaine)

Confirmed speakers:

- Victor G. Rodwin, Professor Emeritus of Health Policy and Management, Wagner School, New York University
- Reinhilde Veugelers, Professor at KU Leuven, Senior Fellow at Bruegel and at the Peterson Institute for International Economics

In conversation with Mathias Dewatripont (Université libre de Bruxelles)

Thursday 19:30-20:30 - Business History Reception

Room: Hall K (near the auditorium La Fontaine)

Friday 09:00-10:30 – Sessions

11 - The Scientization of Central Banks – 3. The Politics of Scientization

Room: AW.1.126

Organisers: Aurélien Goutsmedt & Francesco Sergi

Chair: Morgane Delorme

The Multiple Paths of Scientization at the Bank of England

- Béatrice Cherrier, Aurélien Goutsmedt, Francesco Sergi & Clément Fontan

Central Bank Economists and the Impact of the Financial Crisis on the Academic Economic Discourse

- Matthias Thiemann & Stefan Priester

Discussion

41 - Who Are the Social Scientists? Profiles, Strategies and Circulations of Actors of a Knowledge in the Making (1870-1940)

Room: AW.1.121

Organisers: Marie Linos & Margot Elmer

Chair: Kaat Wils

The Université Nouvelle de Bruxelles, a Shelter for Progressist Sociologists across Europe: Portraits, Trajectories and Diplomas of a New Kind of Intellectual (1894-1919)

- Margot Elmer

Social Sciences: A Matter for Lawyers? The Institutionalization of an Emerging Scientific Discipline in Belgian Universities (1870-1914)

- Maxime Jottrand

“Birds of a Feather Flock Together”: Partners in Life and Work in early 20th- c. American Social Science

- Marie Linos

75 - Politics and the Public Sphere in Recent German Science: The Case of the Max Planck Society - 1

Room: AW.1.120

Organiser: Mitchell G. Ash

Chair: Carsten Reinhardt

Introductory Remarks on the Project "History of the Max Planck Society"

- Carsten Reinhardt

Science For and Against Diplomacy. The Max Planck Society's Role in West German Foreign Policy – Soviet Union and China in Comparison (1955-1995)

- Carola Sachse

The Max-Planck-Society in the Process of German Unification 1989-2003

- Mitchell G. Ash

Discussion

93 - History of Modern Physics - 1

Room: AY.2.107

Chair: Jip Van Besouw

Einstein's General Relativity Theory Reconsidered

- Henk Kubbinga

Meson or Mesotron: Etymology of Elementary Particles

- Helge Kragh

The Remodeling of Theoretical Physics across World War II seen Through the Emerging Concept of Virtual Particle

- Jean-Philippe Martinez

106 - Sustainability and Biodiversity

Room: AY.2.108

Chair: Brigitte Van Tiggelen

Diversifying Green Revolution: Asian Vegetable Research and Development Center (AVRDC) from the Cold War to the Dawn of Sustainability, 1963-1988

- Leo Chu

"Straight trunks" and "original biocenosis": production and conservation aims of Spanish foresters during the last third of the twentieth century at the Instituto Nacional para la Conservación de la Naturaleza

- Max Bautista Perpinyà

From Goethe to Sustainability: Politics and Ideology of Sanfte Chemie

- Marcin Krasnodębski

122 - Epistemic Cultures

Room: AW.1.125

Chair: Hannes Van Engeland

Exilic Epistemology as Geopolitical Capital: Contextualizing Seventeenth-Century Irish Responses to the New Sciences

- Kevin Gerard Tracey

On the Transition from Aristotelian Syllogistic Logic to Fregean Symbolic Logic

- Ladislav Kvasz

Insects as Food Sources in Modern Europe: Images as Epistemic Tools and Framing Devices of the Natural World

- Milton Fernando Gonzalez Rodriguez

123 - History of Scientific Institutions

Room: AY.2.114

Chair: Annette Lykknes

The Establishment and Development of the State Institute of Archaeology (1919-1952) in the Light of Archaeologists' Correspondence

- Marcela Starcová

Successful Institutionalization without an Institute to Show for It: The Case of the IOWO 1971-1981

- Elske de Waal

A Milestone in the History of Genetics: University of Sevilla's Genetics Department

- Enrique Wulff

Friday 11:00-13:00 - Sessions

26 - (In)credible Scientists

Room: AW.1.125

Organiser: Hannah Erlwein

Chair: Hannah Erlwein

Gatekeepers of Science: Debating Credibility in the Premodern Islamic Context

- Hannah Erlwein

Esprits forts, Credibility, and Scientific Community in the Montmor Academy, 1654-1664

- Julia Reed

The Social and Epistemic Makings of a Scientist in Seventeenth-Century Germany

- Tracy Wietecha

63 - Recipes, Experiments and the Interplay between Practice and Concept-formation in Early Modern Philosophy

Room: UA.4.222

Organiser: Oana Matei

Chair: Oana Matei

Vegetation, Fermentation, and Digestion. Nehemiah Grew's Conceptual Vocabulary in "The Anatomy of Plants"

- Oana Matei

Bubbles, Bladders and the "Folds of Matter": Enactment and Concept Formation from Bacon to Boyle

- Dana Jalobeanu

The Reception of Jacques Rohault's *Traité de Physique* (1671): From Antoine Le Grand to Samuel Clarke

- Ioana Bujor & Mihnea Dobre

Concepts of Experience in Royalist Recipe Collections

- Benjamin Goldberg

76 - Politics and the Public Sphere in Recent German Science: The Case of the Max Planck Society - 2

Room: AW.1.120

Organiser: Mitchell G. Ash

Chair: Carsten Reinhardt

The Max Planck Society's Nazi past as a Political Challenge: Legal Conflicts Surrounding Scientology's Instrumentalization of the Kaiser Wilhelm Society's History against the Max Planck Society

- Florian Schmaltz

'Are we Willing to Fight for our Research?': Max Planck Society's Lobbying and Communication Strategy during the Reforms of the Animal Welfare Act in Germany 1986-2002

- Juliane Scholz

Comment: John Krige

80 - Appropriating the Science of the Past: Scholarly Intentions and Ideological Constraints

Room: UB.2.147

Organiser: Daria Drozdova

Chair: Daria Drozdova

Image of Giordano Bruno, Hero and Martyr of Science, in Late Nineteenth-century Russia

- Daria Drozdova

Monk Iakinf (Nikita Ya. Bichurin, 1777-1853) and his Interpretations of Zhou Dunyi's 周敦頤 (1017-1073)

Taiji Tu Shuo 太極圖說 (Explanations of the Diagram of Great Ultimate)

- Alexei Volkov (琅元)

Vassilii Zubov and Shadows of Giants

- Dimitri Bayuk

Discussion

81 - The Political Economies of the Earth Sciences

Room: AY.2.114

Organisers: Gustave Lester & Victor Monnin

Chair: Charlotte Abney Salomon

Between Extraction and Exegesis: The Politics of Mining and Cosmologies in the Austrian Low Countries, 1769-1792

- Mathijs Boom

Science, Settler Colonialism, and Extraction in the Upper Mississippi Valley, 1780-1840

- Gustave Lester

Shaping Invertebrate Fossils and Microfossils into Tools of Extraction, 1810s-1920s

- Victor Monnin

Products of the Mineral Kingdom: Mineral Science in Sweden, 1740-1820

- Charlotte A. Abney Salomon

88 - Gender Perspectives on the History of Science

Room: H.1.302

Chair: Marie Linos

Poland v Gender Studies: The Academic Fight for Equality and the Government Backlash

- Daniel Sunderland

The Canon of the History of Science through a Gender Perspective

- Anne-Sophie Godfroy

Governesses in the Kingdom of Poland (1864–1904) in the Context of Class and Gender

- Alicja Urbanik-Kopec

94 - History of Modern Physics - 2

Room: AY.2.107

Chair: Helge Kragh

Bell's Theorem. A Scientometric Approach to History of Science

- Filippo Oberto

The Promise of Science: Building International Scientific Cooperation in post-WWII Europe

- Luca Forgiarini

Biased Narrative in the Scientific Literature: The Case of Gravitational Wave Science

- Livia Conti

97 - Collections, Heritage, and Exhibitions

Room: AW.1.126

Chair: Erika Luciano

The 'Anatomy Museum' of the Faculty of Medicine of Lisbon (1825-1970): The Biography of an Invisible Collection

- Catarina Teixeira

Turin and the Industrial Revolution in the Mirror of the Exhibitions

- Marco Pozzi

The Provenance History of Fetuses of Nineteenth and Early Twentieth Century Amsterdam (1860-1930)

- Lisa Vanderheyden

The Do's and Don'ts of Merging two Centenary Research Institutions: The Coimbra University Astronomical Observatory and the Geophysical Institute

- Pedro J. E. Casaleiro

107 - History of Nuclear Science

Room: H.2.215

Chair: Roberto Lalli

Nuclear Encounters: Italian and German Physicists during WWII

- Adele La Rana

The Atomic Exhibition: Design and Politics

- Donatella Germanese

The Nuclear-Based Closed Carbon Cycle: A Missed Opportunity

- Benjamin Johnson

Crossing Boundaries: Science Diplomacy, Radioactive Isotopes, and the Emerging Field of Nuclear

Medicine in Austria in the European Context (1950–1975)

- Johannes Mattes, Cécile Philippe & Sandra Klos

110 - History of Genetics

Room: AW.1.121

Chair: Denis Diagre-Vanderpelen

The Incredible Life of Gregor Mendel in the midst of the 1848 revolution (1849-1854)

- Christiane Nivet

Quantity and Quality: The Belgian Jesuit Valère Fallon and the Catholic Way to Eugenics

- Carlo Bovolo

Between Rationality and Ideology: Challenging Historiographical Narratives on early 20th-century Eugenics

- Nicola Bertoldi

Schizophrenia and Molecular Genetics: Mendelian Approaches of Mental Illness during the 1960s and 70s

- Apostolos K. Gerontas

117 - Hybrid Knowledge

Room: AY.2.108

Chair: Cornelis J. Schilt

Scientists as Science Makers

- Albert Presas i Puig

Wooden Walls or Iron Plates? – Negotiating the Future of the British Fleet around 1860

- Albert Loran

Against All Odds: Bettencourt Faria's Astronomical Observatory

- Vitor Bonifácio & Maria Almeida

Shipping Spectroscopes to Spain: The Diplomacy of an American Eclipse Expedition in 1870

- Deborah A Kent

119 - History of Science Policy - 1

Room: H.1.301

Chair: Kenneth Bertrams

Policies of (Extra)Terrestrial Intelligence in the Soviet Republic of Armenia

- Gabriela Radulescu

The Life Cycle of Basic Research idea in Finnish Policymaking

- Antti Alaja

Small-state Science Policy and Politics: Shaping Denmark, Science, and Technology in the 20th Century

- Kristian H. Nielsen & Casper Andersen

Science in a Free Sphere. The History of the High-Alpine Research Station Jungfrauoch, 1922-1952

- Leander Diener

Friday 13:00-14.00

Anniversary Meeting of the DHST Commission on Women and Gender in Science

Room: H.1.309

Friday 14:00-16:00 - Sessions

13 - Dissemination and Exchange of Scientific Knowledge in Early Modern Europe: Interactions among Scientific Communities and Religious Milieus

Room: UB.2.147

Organisers: Ivana Gambaro & Luís Miguel Carolino

Chair: Luca Guzzardi

The Jesuit Network and the Reception of Tycho Brahe in Early Modern Portugal

- Luís Miguel Carolino

From Heaven to Earth: Contributions to Astronomy and Geography from Jesuit Networks in 17th Century

-Ivana Gambaro

A Network of Scientists on the Moon

-Valeria Zanini

Hiding in Plain Sight: An Allegory of Catholic Crypto-Copernicanism in a 17th-Century Astronomical Frontispiece

-Daniel Stolzenberg

32 - Science Studies between Science Policy and the Politics of Science: Perspectives across the Iron Curtain - 1

Room: H.1.302

Organisers: Jan Jakub Surman & Monika Wulz

Chair: Fabian Link

To Forget Boris Hessen: Ghost of Externalism within Late Soviet History and Philosophy of Science
- Alexander Dmitriev

“Applied History of Science:” Politicisation of History and the Paradigm Change in Cold War Central and Eastern Europe
- Jan Surman

Planning the Science – Serving the State: The Institute for the Planning of Science of the Czechoslovak Academy of Sciences 1962–1967
- Michaela Šmidrkalová

Discussion

42 - Approximation, Precision and Error as Actors’ Categories in the Alfonsine Astronomical Tradition

Room: UB.4.228

Organisers: Samuel Gessner & Sophie Serra

Chair: Matthieu Husson

Parisian Pre-Alfonsine Astronomy: Changing Times and Changing Values
- Sophie Serra

Computing Latitudes as a Medieval Astronomer
- Camille Bui

The Challenge of Precision Measurements Using Astronomical Instruments: The Case of the Directorium
- Nick Jacobson

Geometrical Approximation and the Correct Planetary Positions on Early Astronomical Clocks
- Samuel Gessner

53 - Service Science between Policy and Practice? The Role of Chemical Institutions and Experts - 1

Room: AY.2.108

Session organiser: Annette Lykknes & Carsten Reinhardt

Chair: Annette Lykknes

Testing and Monitoring of Plastics, Paints and Rubber: The Department for Organic Chemistry of the German State Materials Testing Office 1924-1944
- Malte Stöcken

“Such a Branch Could Be the Base for a Federal Chemical and Technical Institute”: On the Development

of the Institute for Chemical and Technical Research 1961

- Elisabeth Kölmel

The Testing of Military Materials for the German Democratic Republic and the Role of the Testing Laboratory for Organic-Technical Chemistry in Altenburg

- Yvonne Elisabeth Schellhorn

Comment: Carsten Reinhardt

70 - Studying Mathematics in Göttingen: Becoming a Member of the International Community of Scientists

Room: AW.1.120

Organisers: Danuta Ciesielska & Martina Bečvářová

Chair: Annette Vogt

American and Polish Students of Mathematics in Göttingen – Similarities and Differences, Part I: Americans from the US

- Margaret Stawiska-Friedland

American and Polish Students of Mathematics in Göttingen – Similarities and differences, Part II: Poles

- Danuta Ciesielska

Jarník's Mathematical Studies in Göttingen

- Martina Bečvářová & Jindřich Bečvář

Mathematical Research between Italy and Germany: Fabio Conforto's Stay in Göttingen in 1932

- Maria Giulia Lugaresi

85 - Expertise and Experts

Room: AW.1.121

Chair: Jan Potters

The Making of Ignorance at Workplaces: The role of Experts in Ardystil Syndrome Case in late 20th-century Spain

- Sofiya Kamalova

No Strings Attached: Participation Strategies of Soviet Experts in International Health Organizations

- Anastasiya Schacht

The 'Transnational Birth' of the Graduate Unemployment Expert: The Belgian Casus (1926-1948)

- Virgile Royen

The Political Dimensions of Mineralogy: Prussian Civil Servants in the Early 19th Century

- Angela Strauß

86 - History of Mathematization of Nature and the Social World

Room: AW.1.125

Chair: Henk Kubbinga

The Emergence of the Technological Approach in the Mathematical School of Urbino

- Davide Pietrini & Foligno Antonella

Colonialism, Certainty, and Utility of Mathematics in Practical Institutions in Spain (1500-1700)

- Helbert E. Velilla-Jiménez

Striking Parallels: Nation Building and Renewal of Mathematics in Risorgimento Italy and its Effects on Germany

- Erwin Neuenschwander

Urban Populations and Urban Problems in Quetelet's Population Statistics of the Mid-Nineteenth Century

- Kaat Louckx

91 - History of Psychiatry and Criminology

Room: AY.2.107

Chair: Kaat Wils

Finding Ruh in the Forebrain: Mazhar Osman and the Emerging Turkish Psychiatric Discourse

- Kutluğhan Soyubol

Mere Belatedness or a Missing Phase? Plans for a Mental Asylum in Nineteenth-century Hungary

- Janka Kovács

Cholinesterase: Brain Enzymes and Human Experimentation in Post-war Britain

- Rebecca Watterson

An international legacy: the non- Italian winners of the Lombroso prize for the best work in criminal anthropology (1922-1936)

- Franco Capozzi

92 - Colonies and Colonial Perspectives

Room: H.2.215

Chair: Raf de Bont

“Se ha Hecho la Esperiencia”: Policies of Transplantation and Private Botanic Experiments in Spanish America (1492-1555)

- Antoine Duranton

The Ottoman Bakteriyojijane-i Şahane: A French Scientific Enclave?

- Meriç Tanık

-discussion

105 - History of Medicine

Room: AW.1.126

Chair: Monique Palma

The Modern "Soul"

- Otniel E. Dror

Maternal Bond and Healthy Child: Transnational Knowledge and its Application in one Country

- Katerina Liskova

The Politics and Practice of the Molecularization of the Clinic in Precision Medicine

- Robert Meunier

116 - History of Earth Sciences

Room: AY.2.114

Chair: Jip van Besouw

The French *Bureau des Longitudes* and its Implications in the Renovation of International Geodesy (1917-1925)

- Martina Schiavon

The *Institut National de Géographie*: Politics, Science and Capitalism

- Colin Dupont

A New Approach to the Scientific Trajectory: Applying Cartography GIS and Digital Formalization to the Case Study of Scientist Alexandre Brongniart, 19th-century France.

- Mathieu Fernandez & Martine Mille

120 - History of Science Policy - 2

Room: H.1.301

Chair: Kenneth Bertrams

Historians Tackling “Societal Challenges”: A History of EU Funding for Policy-oriented Historical Research

- Marie-Gabrielle Verbergt

Science-policy-practice Memories: Oral Histories of Farming in Britain 1950-1990

- Paul Merchant

Following the Money: An Alternative History of Research Policy in Post-war Sweden

- Per Lundin

“30 Percent Applications”: Tensions on Government Planning and Scientific Autonomy in 1970s Laser Research in West Germany

- Johannes-Geert Hagmann

Friday 16:30-18:30 - Sessions

33 - Science Studies between Science Policy and the Politics of Science: Perspectives across the Iron Curtain - 2

Room: H.1.302

Organisers: Jan Jakub Surman & Monika Wulz

Chair: Doubravka Olšáková

Science, Technology, Development: The History of Science Studies in International Socialist Debate
- Monika Wulz

Sociology of Science, Science Policy, and the German Reunification: The Max Planck Institute for the Study of Societies Cologne and the Integration of the GDR System of Science into West Germany’s Research System

- Fabian Link

47 - Geoscience Spillover: The Applied Geosciences at the Intersection of the Oil Industry and Alternative Energy

Room: AY.2.114

Organiser: Odinn Melsted

Chair: Cyrus Mody

Geoscience Spillover: The Oil Industry and Geothermal Development in Greater California

- Candida F. Sánchez Burmester

Indirect Spillover: The Role of Petroleum Technologies in the Icelandic Transition from Oil to Geothermal

Energy

- Odinn Melsted

Radioactive Knowledge: The Role of Oil Geologists and Geophysicists in the Development of the Nuclear Industry

- Michiel Bron

Comments: Thomas Brandt

54 - Service Science between Policy and Practice? The Role of Chemical Institutions and Experts - 2

Room: AY.2.108

Organisers: Annette Lykknes & Carsten Reinhardt

Chair: Annette Lykknes

The Early History of Agricultural Chemistry or How Chemists Conquered the Soil: Chemical Training, Analysis, and Field-Lab-Research before and around 1800

- Christopher Halm

Trying to Return Europe to the Ancien Régime: Humphry Davy in Naples Chemically Recovering Ancient Literature, 1817-1820

- Frank James

Comment: Carsten Reinhardt

82 - Histories of Viruses and Vaccination

Room: AW.1.126

Chair: Monique Palma

Back to Normal – Reality or Dream? The Aftermath of the Spanish Flu in Real Data

-Tereza Kopecka

Elites or Immigrants: Introduction of Smallpox Inoculation to Europe

- Karel Černý

Containing the Uncontainable: the Pharmakon of Prevention in Vaccination Epistemologies Across Science, Ecology & Public Health Policy

- Sofia Varino

83 - Intercultural Circulation of Knowledge

Room: H.2.215

Chair: Karine Chemla

The Rekhāgaṇita, Sanskrit Translation of Euclid's Elements: I. Definitions, Axioms and Common Notions
- Jean Michel Delire

Soils, Stars and Statecraft: Cosmological Conceptions of Agriculture in China and Europe, ca. 1600-1789
- Gianamar Giovannetti-Singh

British Interest in Japan Revealed by the Reproduced Copy from Daikokuya Kōdayū's Map of Japan
Made in Russia in 1793
- Yuko Takigawa

87 – Science (based) Policies and the Public Perception of Science

Room: UB.2.147

Chair: Daria Drozdova

Public Assessment of Water Quality for Domestic and Manufacturing Purposes: The Water Hardness
Tests in the Mid-19th Century
– Marco Taddia

The Role of Analytical Chemistry in European Science-based Policies: The Emergence of Portuguese Food
Regulations (1875-1905)
- José Ferraz-Caetano

Natural History Societies as Platforms for Citizen Science in the 19th Century Russia
- Galina Krivosheina

Talking about the History of Citizen Science in Portugal: The Volunteer Involvement in Biological
Recording
- Cristina Luís

95 - History of Psychophysiology and Primatology

Room: AY.2.107

Chair: Kaat Wils

Timeless Spaces: The 'Landscape' of Sleep and Circadian Science in the Mid-twentieth Century
- Kristin D. Hussey

"Primatology": How can a Field Name Unite a Community?
- Marie Lacomme

Sonic Experiments at the Margins: Inventing the Psychophysical Listener in 19th-Century Prague
- Anna Kvíčalová

Sound and Eidetic Imagery in the 19th and Early 20th Century Psychophysiology

- Ivan Loginov

96 - Early Modern Science, Philosophy and Mathematics

Room: AW.1.125

Chair: Dana Jalobeanu

Spinoza's Philosophy and the Birth of Contemporary Physiology

- Filip A. A. Buyse

"Laboravit Tschirnhaus cum Aliis Quibusdam in Argilla": An Often-misinterpreted Quote by Leibniz Revisited

- Nicholas Zumbulyadis

Leibniz in Math: Who Did He Write to?

- Arilès Remaki

98 - Socialism and Science

Room: H.1.309

Chair: Dimitri Bayuk

Experts, Children and the State: The Establishment and Early Activity of the *Institute of Mother and Child* in State Socialist Poland (late 1940s to 1960s)

- Natalia Jarska

Ideology, Autonomy and the Construction of the "Socialist Doctor": Possibilities and Constraints in Medical Education in State Socialist Hungary

- Viola Lászlófi

Every Child According to Its Pace: School Maturity at the Crossroad of Psycho-Pedagogical Expertise and State Policies in Socialist Hungary (1960s - 1980s)

- Annina Gagyoiva

Zoological Institute of the Academy of Sciences of the USSR and the Tasks of Socialist Construction: Scientific Policy in Stalin's Period in Particular Institute and its Results

- Nadezhda V. Slepikova

Friday 18:30-19:30

Business Meeting of the DHST Commission on Science, Technology and Diplomacy

Room: AW.1.121

Saturday 09:00-10:30 - Sessions

4 - Scholarly and Artisanal Mathematics in the Early Modern Period

Room: AW.1.125

Organisers: Thomas Morel & Michael Friedman

Chair: Angela Axworthy

Making Euclid practical in the 16th Century

- Angela Axworthy

Textile Practices and Mathematical Knowledge in the 17th Century

- Michael Friedman

The Mines and the Court: Artisanal Practices and Mathematics in Early Modern Dresden

- Thomas Morel

14 - Science Policy in Central Europe in the First Half of the 20th Century in the Mirror of Correspondence of Scientists – 1

Room: AW.1.120

Organisers: Milada Sekyrková & Adéla Jůnová Macková

Chair: Milada Sekyrková

Science Policy of the Interwar Czechoslovakia in Alois Musil's Correspondence: State, Orientalists and Orient

- Adéla Jůnová Macková

Reflections on Political Events in the Texts of Bedřich Hrozný

- Šárka Velhartická

Science Policy after 1918 in Czechoslovakia: Help from Abroad, the Case of Aleš Hrdlička

- Milada Sekyrková & Marek Ďurčanský

27 - Scientific Temporalities in the 19th and 20th Centuries - 1

Room: AY.2.107

Session organiser: Staffan Bergwik

Chair: Staffan Bergwik

Provenance and the Multiple Timescales of Nineteenth-Century Archives and Historiography

- Emma Hagström Molin

Little Red Ring Binders: Early Red List Temporalities

- Marit Ruge Bjærke

Discussion

29 - Astronomers' Histories of Astronomy: Practices around the Paris Observatory (18th-19th Centuries) - 1

Room: AY.2.108

Organisers: Giorgio Matteoli, Matthieu Husson, Christophe Schmit

Chair: Christophe Schmit

Genres of Celestial History

- Florence C. Hsia

The Astronomer Figure in the Éloges of the French Royal Academicians: A Matter of Politics?

- Dalia Deias

Cassini I and Fontenelle on the History and Progress of Astronomy

- Daniel Špelda

38 - The Politics of Data, Environments, and Infrastructures - 1

Room: AW.1.121

Organisers: Matthew Adamson & Doubravka Olšáková

Chair: Grigoris Panoutsopoulos

Science Diplomacy behind 'Data Politics'? Collaboration and Competition in the Setting up of IGY World Data Centers

- Simone Turchetti

The 'Soul' of ALMA: Science Diplomacy in a Transnational Astronomical Facility

- Barbara Kirsi Silva

The Prelude to US-China Space Cooperation: The Role of Satellite Ground Stations in Nixon's Rapprochement with Beijing

- Tonio Savina

51 - Expertise in the Low Countries in the Early Modern Period - 1

Room: AY.2.114

Organiser: Maarten Van Dyck

Chair: Steven Vanden Broecke

Historicizing Expertise: Challenges and Opportunities

- Maarten Van Dyck

Dutch-language Literary Communities and the Productivity of Expertise, 1550-1650^[L1]_{SEP}

- Arjan van Dixhoorn

Expertise in Early Modern Printmaking

- Marlise Rijks

84 - Science and Visual culture

Room: UB.2.147

Chair: Brigitte Van Tiggelen

Westerns and the Construction of a Visual Socio-cultural Space for Natural History in late Franco's Spain (1960s-1970s)

- Carlos Taberner

To Design, or Not to Design... The Role of Exhibit Design in Landmark Science Presentations of the 1960s from MATHEMATICA to the Exploratorium

- Arne Schirmmacher

Photography and the Making of Science in Portugal (1850s-1920s)

- Hugo Silveira Pereira

102 - Eighteenth Century: Networks and Laboratories

Room: AW.1.126

Chair: Jip van Besouw

The Political Project of the *Societas Meteorologica Palatina* (1780-1795) through the Correspondence of Jan Hendrik van Swinden (1746-1823)

- Simon Dolet

International Policymaking in the Laboratory: Projects of Metrological Unification in late Eighteenth-century France

- Emma Prevignano

Van Musschenbroek and Duhamel on the Strength of Materials

-Pieter Beck

Saturday 11:00-13:00 - Sessions

15 - Science Policy in Central Europe in the First Half of the 20th Century in the Mirror of Correspondence of Scientists - 2

Room: AW.1.120

Organisers: Milada Sekyrková & Adéla Jůnová Macková

Chair: Adéla Jůnová Macková

Science Policy in Germany after 1918: The Correspondence of Ladislaus von Bortkiewicz
- Annette Vogt

Mathematicians' Affinity to Complex Problems Can Overcome Distance for More than 60 Years –
Correspondence between Josip Plemelj and Georg Faber
- Željko Oset

Jan Łukasiewicz on Induction: Based on His Letters to Heinrich Scholz from 1943 and 1944
- Gabriela Besler

Discussion

17 - Epistemology and Politics in Climate Science – 1. Early Cold War and 1970s

Room: UB.2.147

Organisers: Matthias Heymann & Dania Achermann

Chair: Fabian Link

Simulating Climates: the CNRS Phytotron, Biological "Big Science", and Agricultural Modernization in
France's Trente Glorieuses
- Lucie Gerber

The Role of Swiss Politics in the Establishment of Ice Core Paleoclimatology
- Dania Achermann

Science Diplomacy and Politics: Building the Global Atmospheric Research Program
- Matthias Heymann

"They Have Left their Cattle and Sometimes even their Babies": The Moral Climatology of Famine in the
1970s Sahel
- Eleanor Shaw & Robert Naylor

21 - Strategies for Cultural Diplomacy in the Countries on the Southern Periphery of the Western Bloc during the Cold War: Greece Portugal, and Spain

Room: UB.4.228

Organisers: Marició Janué i Miret & Albert Presas i Puig

Chair: José M. Pacheco

Rebuilding Continuity with the West: Spain's Cultural and Scientific Diplomacy in the Post-war (1945-
1959)
- Marició Janué i Miret & Albert Presas i Puig

Tensions and Resistance in the Scientific Diplomacy of the Estado Novo after the Second World War (1945-1974)

- Maria Fernanda Rollo

Portugal's Scientific Policies in the Period 1945-1960: The Effect of the End of World War II and the Beginning of the Cold War

- Luis Manuel Ribeiro Saraiva

Techno-diplomacy and the Making of the Telecom State in Greece from the 1930s to the 1970s

- Yannis Fotopoulos & Stathis Arapostathis

24 - Science, Religion and Atheism - 1

Room: AW.1.125

Organisers: Kostas Tampakis & Jaume Navarro

Chair: Kostas Tampakis

Ideological Conflict: Antonio Gramsci on Science, Religion and Italian History

- Neil Tarrant

"Anti-materialist, but Pro-science": The Construction of a Discourse in Turkey, 1890-1950

- Alper Yalcinkaya

Science and Atheism in Early Twentieth-century Spanish Anarchism

- Jaume Navarro

Discussing the Gender Aspect of the Relationship between Science and Religion/Atheism

- Evangelia Chordaki

28 - Scientific Temporalities in the 19th and 20th Centuries - 2

Room: AY.2.107

Organiser: Staffan Bergwik

Chair: Staffan Bergwik

The Little Tools of Timing: Co-modifying Nature-times with the Times of Politics

- Kristin Asdal

The Rhythm of Knowledge: René Dubos and the Multiple Temporalities of Science and Society in the 1960s

- Staffan Bergwik

Planetary Timekeeping: Paleoclimatology and the Rise of Proto-Anthropocene Knowledge, 1960-1990

- Erik Isberg

Discussion

30 - Astronomers' Histories of Astronomy: Practices around the Paris Observatory (18th-19th centuries) - 2

Room: AY.2.108

Organisers: Giorgio Matteoli, Matthieu Husson, Christophe Schmit

Chair: Matthieu Husson

Lalande on Ancient Astronomy and its Applications

- John Steele

Historiographical Practices in the *Encyclopédie*: The Case of D'Alembert's Article "Astronomie"

- Colette Le Lay & Christophe Schmit

Historiography of Astronomy and the Birth of a General Historiography of Science: The Case of Jean-Étienne Montucla

- Giorgio Matteoli

39 - The Politics of Data, Environments, and Infrastructures - 2

Room: AW.1.121

Organisers: Matthew Adamson & Doubravka Olšáková

Chair: Doubravka Olšáková

The Political Use of Science in the Diplomacy of the Scramble for Africa, 1875–1891

- Daniel Gamito-Marques

Ecological Diplomacy between Spain and Saudi Arabia: The Protection of Birds of Prey in a Hunters' Society

- Sergio Arias Ramos

'The Domination of the World:' How Physical Environmental Knowledge Became Vital to U.S. National Security and Foreign Policy Aims in the Early 1960s

- Ronald E. Doel

52 - Expertise in the Low Countries in the Early Modern Period - 2

Room: AY.2.114

Organiser: Maarten Van Dyck

Chair: Steven Vanden Broecke

"Conversing with Strangers": Trust, Patents, and Brokered Expertise in the Seventeenth-century Dutch

Republic

- Marius Buning

Public Affairs: Claiming Mathematical Competence in the Dutch Republic

- Fokko Jan Dijksterhuis

Experts and Amateurs at Work: Observing, Depicting, and Consuming Plants in Early Modern Northern Europe

- Jaya Remond

Discussion

55 - The Perils and Promises of Prediction in Science and Science Policy - 1

Room: AW.1.126

Organiser: Theodore Arabatzis

Chair: Theodore Arabatzis

Who Predicts? Dutch Storm Warnings and the Nature of Weather Forecasting 1860-1920

- David Baneke

Untamable Volcanoes: The Place of Non-predictive Sciences in the Public Arena

- Joseba Pascual Alba

Prediction in the Wild

- Alkistis Elliott-Graves

Scientific Uncertainty and Decision Making: The Case of Earthquake Prediction

- Iraklis Katsaloulis

74 - Global Animals: The Barcelona Zoo in Transnational Perspective

Room: UA.4.222

Organiser: Oliver Hochadel

Chair: Raf de Bont

Fishy Deals: Francesc Darder and Intercontinental Fish Farming around 1900

- Laura Valls Plana

The Transnational Vision of a Catalan Nationalist: Pere M. Rossell i Vilar and the Reform of the Barcelona Zoo in the 1920s

- Oliver Hochadel

From Hagenbeck to Hediger: The International Connections of the Barcelona Zoo during Franco's Dictatorship

- Miquel Carandell

Discussion

112 - History of Early and Modern Chemistry

Room: UA.4.218

Chair: Frank James

Spain's Scientific Policy: The Case of Paracelsian Knowledge of El Escorial

- Mariana Sánchez

Teaching Industrial Chemistry at the University of Bologna: Institutions, Places and Protagonists. A century-long Journey, from the *Scuola Superiore di Chimica Industriale* (1922-35), to the *Facoltà di Chimica Industriale* (1936-2012), to the *Dipartimento CHIMIND* (2012 to Today)

- Paolo Zani

Scientific Authority in Mineral Analysis: Heinrich Rose (1795-1864) and Hans Rudolph Hermann (1805-1879)

- Sarah Hijmans

The Chemical Engineer George Standart: A Triple Agent?

- Vera Dvorackova

Saturday 14:00-16:00 - Sessions

7 - International History of Radical Science Movements

Room: AY.2.114

Organiser: Gerardo Ienna

Chair: Sascha Freyberg

The Crucial Significance of Political Influences in the Work of the Italian physicist Franco Selleri

- Luigi Romano

Science and Vietnam: The Genesis of a Transnational Radical Science Movement

- Gerardo Ienna

Radical Science Movement in France

- Renaud Debailly

Counter Cultures of Knowledge and the Social Orientation of Science: German Cases and Debates 1960-1990

- Sascha Freyberg

18 - Epistemology and Politics in Climate Science - 2 (1980-2020)

Room: UB.2.147

Organisers: Matthias Heymann & Dania Achermann

Chair: Fabian Link

Climate Politics as Opposed to What? Deconstructing the World Climate Conference of Experts on Climate and Mankind in Geneva, 1979

- Vladimir Jankovic

Climate Scientists Assessing Early International Policies on Climate Change: The Case of Bert Bolin (1980-1992)

- Carolina Granado-Torres

Chilean Climate Scientists' Involvement in Public Policy from a Historical Perspective

- Cecilia Ibarra

When Both Sides Speak in the Name of "Science": What Can We Learn about Representations of Science and Epistemological Norms from Climate Change Scepticism?

- Richard Staley

20 - Science, Technology and Education in Socialist Yugoslavia, 1945 – 1990

Room: UA.4.218

Organisers: Maja Korolija & Milica Sekulović

Chair: Kenneth Bertrams

State and Science: Yugoslav Nuclear Program (1948-1965)

- Maja Korolija

Circulation of PC Technologies in Yugoslavia before Its Break

- Jelena Stanulović

Yugoslavia's Medical Cooperation with Developing Countries during the Cold War

- Vedran Duančić

Comment: Vladimir Janković

25 - Science, Religion and Atheism - 2

Room: AW.1.125

Organisers: Kostas Tampakis & Jaume Navarro

Chair: Kostas Tampakis

Science as a Weapon against Atheism and Communism: The Christian Union of Scientists and the Journal

Rays in Greece (1940-1970)

- Kostas Tampakis

~~Personality Cults as a Form of New Religion in Post-Soviet Countries~~

~~- Katarzyna Jarosz~~

Enemy at the Gates? The Perception of Atheism and Its Relationship with Science by Greek Orthodox Christian Authors (Early 1930s to 1974)

- Sandy Sakorrafou

Discussion

31 - Astronomers' Histories of Astronomy: Practices around the Paris Observatory (18th-19th centuries) - 3

Room: AY.2.108

Organisers: Giorgio Matteoli, Matthieu Husson, Christophe Schmit

Chair: Matthieu Husson

Delambre as a Historian of Astronomy through the Lenses of Paris Observatory Archives

- Matthieu Husson

How J. -B. Delambre Read and Reconstructed the Ancient Greek Arithmetic

- Xiaofei Wang

Joseph Delambre's Historiography of 'Oriental Astronomy'

- Karine Chemla

Discussion

40 - The Politics of Data, Environments, and Infrastructures - 3

Room: AW.1.121

Organisers: Matthew Adamson & Doubravka Olšáková

Chair: Gordon Barrett

International Seismic Data Centres in the Twentieth Century

- Lif Jacobsen

Science Diplomacy and the Italian Communist Party During the Cold War

- Daniele Cozzoli

The Hidden Corners of the Uranium Information Clearinghouse: The Politics of the *International Uranium Geology Information System*

- Matthew Adamson

Comment: Sam Robinson

50 - Hospitals, Diseases and Public Health Policies: Local vs. Global Determinants of Healthcare in Contemporary History

Room: AW.1.120

Organisers: Isabel Amaral & Monique Palma

Chair: Céline Paillette

Hospitals in Northern Portugal in Times of Epidemic (19th Century and First Decades of the 20th century)

- Alexandra Esteves

Hospitals: Healing, Heritage and Healthcare Policies for Society - The Case of Porto (20th Century)

- Monique Palma

Between the Old and the New Manguinhos Hospital, from Tropical Diseases to COVID-19 Epidemics: Some Reflections on Scientific Politics and Heritage

- Renato Gama Rosa Costa, Renata Santos & Giovanna Martire

Hospitals and Medical Specialties at the Health's Hill of Lisbon during the 20th Century: Dialogues between Hospitals, Diseases, Medical Knowledge, and Scientific Policy

- Isabel Amaral

Comment: Céline Paillette

56 - The Perils and Promises of Prediction in Science and Science Policy - 2

Room: AW.1.126

Organiser: Theodore Arabatzis

Chair: Theodore Arabatzis

The Role of Theoretical Predictions in Designing a Big Science Infrastructure: The Case of the Large Hadron Collider

- Grigoris Panoutsopoulos

Technological Predictions in Astrophysics and Cosmology

- Gauvain Leconte-Chevillard

"A Minor Chemical Revolution": Models, Predictions and Quantum Chemical Computations as a Primary Exploratory Tool in Chemistry

- Stylianos Kampouridis

Foresight in Science Policy: Science, Prediction, and Neoliberalism in British Government
- Jacob Ward

125 - Distrust of/in Science

Room: AY.2.107

Chair: Baudouin Van den Abeele

COVID-19, Science and the Global South in Historical Perspective: Bolsonaro and Brazil
- Marcos Cueto

Scientific Controversies and Conspiracy Hunting in the Covid-19 Pandemic: The Case of Hydroxychloroquine
- Eve Seguin

Tales from the “Transition”: The Fabrication of Friends and Foes in the History of Spanish 20th Century Sciences
- Javier Sierra de la Torre

Popular Resistance against State-promoted Fumigation
- Mathilde Martinais

Saturday 16:30-17:30 – Centaurus Round Table on Open Access and Open Science

Room: K (auditorium La Fontaine)

Organisers: Koen Vermeir and Theodore Arabatzis

With the participation of Alexander Sterkens, Publishing Manager at Brepols and Professor Johan Rooryck, Executive Director of cOAlition S.

In this Round Table representatives from *Centaurus*, the ESHS, and Brepols will discuss with policy makers the mission of the official journal of the ESHS, its recent transformation into an Open Access journal as well as its prospects for the future, in the context of the broader movement in academia towards Open Science.

Saturday 17:30-19:30 – ESHS General Assembly

Room: K (auditorium La Fontaine)

Saturday 19:30 – Closing of the ESHS Brussels 2022 Conference

Room: K (auditorium La Fontaine)