

# 4th International Conference of the European Society for the History of Science

BARCELONA, 18-20 November 2010



## The Circulation of Science and Technology

### Conference Schedule

The Conference will take place in these different locations:

- IEC - Institut d'Estudis Catalans (Institute of Catalan Studies)  
Carrer del Carme, 47.  
The main building of the Institut d'Estudis Catalans will also hold the Conference Secretariat.
- BC - Biblioteca de Catalunya (National Library of Catalonia)  
Carrer de l'Hospital, 56.
- RACAB - Reial Acadèmia de Ciències i Arts de Barcelona (Royal Academy of Sciences and Arts of Barcelona)  
Rambla dels Estudis, 115.
- RAF - Reial Acadèmia de Farmàcia de Catalunya (Royal Academy of Pharmacy of Catalonia)  
Carrer de l'Hospital, 56.
- RAM - Reial Acadèmia de Medicina de Catalunya (Royal Academy of Medicine of Catalonia)  
Carrer del Carme, 47.
- RI - Residència d'Investigadors (Residence for Researchers)  
Carrer de l'Hospital, 64.
- UB1 - Universitat de Barcelona - Edifici Històric (University of Barcelona - Historical Building)  
Gran Via de les Corts Catalanes, 585.
- UB2 - Universitat de Barcelona - Edifici Josep Carner (University of Barcelona - Josep Carner Building)  
Carrer d'Aribau, 2.

(for more information on these locations, please check the 'How to arrive' tab on our website)

The Conference begins at 9:30 on Thursday and at 10:00 on Friday and Saturday, in the Historical Building of the University of Barcelona (UB1).

There will be a break from 13:30 to 15:00, and a shorter break for coffee, tea and refreshments from 17:30 to 18:00.



## **PL Plenary Lectures**

Coordinated by the Conference program committee

Chaired by [N/A]

### **Paranymph**

UB1 - Universitat de Barcelona Historical Building

*Thursday, 18 November*

**09:30 to 11:30** **Conference Presentation Ceremony**

***Ibn al-Zarqalluh's Astronomical Doctrines on Both Sides of the Mediterranean***

**Julio Samsó**

University of Barcelona,  
SPAIN

*Friday, 19 November*

**10:00 to 11:00** **Science and the Eastern Orthodox Church during the 17th-19th Centuries**

**Efthymios Nicolaidis**

National Hellenic Research Foundation,  
GREECE

*Saturday, 20 November*

**10:00 to 11:00** **Scientific Objects and Scientific Identity of a City. Prague as a 'Chemical City'**

**Sona Strbanova**

Academy of Sciences, Prague,  
CZECH REP.



## **S01 The Different Historiographies of Science. Their Advantages and Shortcomings**

Coordinated by Michal Kokowski (Polish Academy of Sciences, Poland)  
Raffaele Pisano (Université de Nantes, France)  
Hayo Siemsen (Ernst Mach Institute for Philosophy of Science, Germany)

Chaired by Michal Kokowski (Polish Academy of Sciences, Poland)

### **Lecture room BC**

BC - Biblioteca de Catalunya

*Friday, 19 November*

**11:30 to 12:00**    ***The Different Strategies in the Historiography of Science. Tensions between Professional Research and Postmodern Ignorance***

**Michal Kokowski**

Institute for the History of Science,  
Polish Academy of Sciences,  
POLAND

**12:00 to 12:30**    ***Towards a Classification of Approaches to the History of Science***

**Bart Karstens Ma**

Institute of Philosophy,  
University of Leiden,  
THE NETHERLANDS

**12:30 to 13:00**    ***Epistemological Aspects of the Historiography of Science in Greece***

**Constantine Skordoulis**

National & Kapodistrian University of Athens,  
GREECE

**13:00 to 13:30**    ***Knowledge and Space. Between New Paradigms and Old Schemata***

**Jan Surman**

Department of History,  
University of Vienna,  
AUSTRIA  
Center for Austrian Studies,  
University of Minneapolis,  
USA

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Historiography, Method and Erkenntnis-Theory: What is General in Science?***

**Hayo Siemsen**

Ernst Mach Institute for Philosophy of Science  
and INK, FH Eden/Leer,  
GERMANY



**15:30 to 16:00**    ***Prosopography as a Method of Historiography of Science***

**Antonin Kostlan**  
**Sona Strbanova**

Centre for the History of Sciences and Humanities,  
Institute for Contemporary History of the Academy of Sciences of the Czech Republic, Prague  
CZECH REP.

**16:00 to 16:30**    ***On the Historiography of Mathematics in Italy***

**Maria Teresa Borgato**  
Department of Mathematics,  
University of Ferrara,  
ITALY



## **S02 Cross-National and Comparative History of Science Education**

Coordinated by Josep Simon (Université Paris-10, France)

Chaired by Antonio García-Belmar (Universitat d'Alacant, Spain)

### **'Pi i Sunyer' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

- 16:00 to 16:30**    ***The Polytechnic Comes to America. How French Approaches to Science Instruction Influenced Mid-Nineteenth Century American Higher Education***
- A. J. Angulo**  
Winthrop University,  
USA
- 16:30 to 17:00**    ***Shunning the Bird's Eye View: the Rise of General Science Courses in the Schools of Quebec and Ontario in the 1930s***
- Michelle Hoffman**  
Institute for the History and Philosophy of Science and Technology,  
University of Toronto,  
CANADA
- 17:00 to 17:30**    ***Temperature Through Space and Time: How Science Textbooks Convey Significant Differences about Scientific Phenomena***
- Catherine Radtka**  
EHESS, Paris,  
FRANCE
- 17:30 to 18:00**    **COFFEE BREAK**
- 18:00 to 18:30**    ***Two Worlds Apart- Comparing Greek and American 19th Century Science Education***
- Konstantinos Tampakis**  
National Hellenic Research Foundation, and  
Faculty of Primary Education,  
University of Athens,  
GREECE
- 18:30 to 19:00**    ***An Old Idea in Modern Concept. History of Science in Science Teaching: The Cases of Greece and Spain, a Comparison***
- George N. Vlahakis (1)**  
**Aikaterini Konstantinidou (2)**  
(1) Institute for NeoHellenic Research,  
National Hellenic Research Foundation,  
GREECE  
(2) Department of Experimental Education and Mathematics, University of Barcelona,  
SPAIN



**19:00 to 19:30** *The Role of Texts and Objects in Early Modern Science Education in Europe, China and Japan*

Simona Valeriani  
Mina Ishizu  
Ting Xu

London School of Economics,  
UNITED KINGDOM

**19:30 to 20:00** *The Impact of Scientific Knowledge Transfer on Higher Education Systems: Comparative Case Studies of Early Modern China, India and Japan*

Mina Ishizu  
Anjana Singh  
Ting Xu

London School of Economics,  
UNITED KINGDOM

*Saturday, 20 November*

**11:30 to 12:00** *The Co-Creation of Physics and School Science. Pedagogical Tools and Discipline Shaping in France, England, and Spain*

Josep Simon

Institut de Recherches Philosophique,  
Université de Paris-10,  
FRANCE

**12:00 to 12:30** *'A Mediator between Different Nations?' The Implementation of Laboratory Instruction in Belgian and German Secondary Education (1880-1914)*

Sofie Onghena

K.U.Leuven,  
BELGIUM

**12:30 to 13:00** *Swedish in Name Only: The International Education of Nineteenth-Century Swedish Medical Students and Practitioners*

Stephan Curtis

Department of History,  
Memorial University of Newfoundland,  
CANADA

**13:00 to 13:30** *Employing Experts from Abroad: a Comparative Study on Foreign Engineers in Spain and in the Ottoman Empire (19th Century)*

Darina Martykánová (1)  
Meltem Akbas (2)

(1) Universidad Autónoma de Madrid,  
SPAIN

University of Potsdam,  
GERMANY

(2) University of Istanbul,  
TURKEY



## **S03 Symposium on the History of Science and Education**

Coordinated by Pere Grapí (Universitat Autònoma de Barcelona, Spain)  
Peter Heering (Universität Flensburg, Germany)  
Sylvain Laubé (University of Brest, France)  
Maria Rosa Massa (Universitat Politècnica de Catalunya, Barcelona, Spain)

Chaired by Sylvain Laubé (University of Brest, France)  
Maria Rosa Massa (Universitat Politècnica de Catalunya, Barcelona, Spain)  
Peter Heering (Universität Flensburg, Germany)  
Pere Grapí (Universitat Autònoma de Barcelona, Spain)

### **'Prat de la Riba' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**12:00 to 12:30** ***Not out of the Blue: the Genesis of Modern Textbook Descriptions of Historical Experiments***

**Peter Heering (1)**  
**Sebastian Kowalski (2)**  
**Valentina Parlow (3)**

(1) Institut für Physik und Chemie und ihre Didaktik,  
Universität Flensburg,  
(2) Institut für Physik,  
Carl-von-Ossietzky Universität Oldenburg,  
(3) Gymnasium Syke,  
GERMANY

**12:30 to 13:00** ***The Need of Bringing Together History, Nature and Teaching of Science. A Proposal from the History of Science***

**Pere Grapí**  
CEHIC,  
Universitat Autònoma de Barcelona,  
SPAIN

**13:00 to 13:30** ***Historical Experiments Revisited: a Didactical Resource for Secondary School Teaching***

**Maria Elisa Maia**  
**Isabel Serra**  
**Ricardo Martins**  
University of Lisbon,  
PORTUGAL

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Design of ICT Tools for History of Sciences and Education : a Genre of Digital Document to Model***

**Sylvain Laubé**  
Equipe PaHST,  
University of Brest,  
FRANCE



- 15:30 to 16:00** *Visual Aids in The Nine Chapters on the Mathematical Art: Connections between Geometry and Algebra in Secondary School*  
Iolanda Guevara-Casanova  
Institut Badalona VII,  
ICE de la Universitat Politècnica de Catalunya,  
SPAIN
- 16:00 to 16:30** *The Influence of Euler's Calculus Treatises*  
João Caramalho Domingues  
Centro de Matemática da Universidade do Minho,  
PORTUGAL
- 16:30 to 17:00** *A Historical Study of Fourier Analysis with Pedagogical and Dialectic Reflections*  
Ma Li  
Norwegian Academy of Education,  
NORWAY
- 17:00 to 17:30** *The Acquisition of Mathematical Knowledge through European Textbooks by the Greek Intellectual Community in the 18th Century.*  
Maria Terdimou  
Hellenic Open University,  
GREECE
- 17:30 to 18:00** **COFFEE BREAK**
- 18:00 to 18:30** *Why is it Necessary and Important to View the Question of the Role of History of Science and Technology in the Promotion of IBST as a Historical One?*  
Alain Bernard  
Paris 12 University and EHESS, Centre Koyré  
FRANCE
- 18:30 to 19:00** *History of Sciences and Teaching of Biological and Geological Sciences in the French Secondary School. What Kind of Teacher's Training and What Kind of Teaching?*  
Pierre Savaton  
IUFM, University of Caen,  
Centre François Viète, University of Nantes,  
FRANCE
- 19:00 to 19:30** *Why, Specialy for Biology Teachers, to Use On-line Resources in History of Science for Inquiry-based Science Teaching can be Difficult?*  
Hervé Ferrière  
ERCS "PaHST",  
University of Brest;  
EA "CRREF",  
University of Antilles-Guyane,  
FRANCE





**19:30 to 20:00** *B. Raykov and the Development of the Research Approach in the Natural Science Education in Russia*

**Samokish Anna**

Saint-Petersburg Branch,  
S.I. Vavilov Institute for the History of Science and Technology,  
RUSSIA

*Friday, 19 November*

**11:30 to 12:00** *What Influence did the post-1848 Austrian Educational Reforms Have on Gregor Mendel Teaching?*

**Christiane Nivet**

Université Paris7 Denis Diderot,  
FRANCE

**12:00 to 12:30** *Teaching Scientific Explanations and Theories from a Methodological Association of Historical-Philosophical Structure and Pedagogical Goals*

**Irinéa de Lourdes Batista**

Universidade Estadual de Londrina, Paraná,  
BRAZIL

**12:30 to 13:00** *History of Science in Science Education: the Case of Oersted's Experiment*

**Mariana Valente  
Nazaré Caldeira**

Centro de Estudos de História e Filosofia da Ciência,  
Departamento de Física,  
Universidade de Évora,  
PORTUGAL

**13:00 to 13:30** *Pre-Galilean Comprehension of Nowadays Students of Trajectory Motion. Is it Possible that an Ancient Obstacle like This One be Overcome?*

**Marina Castells  
Aikaterini Konstantinidou**

Facultat de Formació del Professorat,  
Universitat de Barcelona,  
SPAIN

**13:30 to 15:00** *BREAK*

**15:00 to 15:30** *How could We Respond to the New Perspectives of Epistemology and Sciences History?*

**Arnaud Mayrargue**

CNRS REHSEIS, Paris,  
FRANCE



**15:30 to 16:00** *More History of Chemistry, more interest in Science*

Josep M. Fernández-Novell (1)

Claudi Mans (2)

Carne Zaragoza Domènech (3)

(1) Department of Biochemistry and Molecular Biology,  
University of Barcelona,

(2) Department of Chemical Engineering,  
University of Barcelona,

(3) Department of Education, Government of Catalonia,  
IES Can Vilumara,  
SPAIN

**16:00 to 16:30** *The Origins of Technical Education in India. Study of Different Approaches*

Samir Kumar Saha

Mechanical Engineering Department,  
Jadavpur University, Kolkata,  
INDIA

**16:30 to 17:00** *History Promotes Technical Culture thanks to Pedagogical Project: an Inter-disciplinary Team Dedicated to Virtual Reality Development, a Case Study with DCNS Indret*

Jean-Louis Kerouanton (1)

Florent Laroche (2)

(1) Centre François Viète,  
Université de Nantes,

(2) Ecole Centrale de Nantes,  
FRANCE

**17:00 to 17:30** *Early Scientific Instruments for Teaching Physics in the University of Barcelona*

Santiago Vallmitjana Rico

Dept. De Física Aplicada i Òptica,  
Universitat de Barcelona,  
SPAIN

**17:30 to 18:00** *COFFEE BREAK*

**18:00 to 18:30** *Bibnum ([www.bibnum.education.fr](http://www.bibnum.education.fr)), a Guided Digital Library for History of Science*

Alexandre Moatti

CERIMES, Centre de ressources et d'information pour les multimedia dans l'enseignement supérieur,  
Ministère de l'éducation nationale,  
FRANCE

**18:30 to 19:00** *Les Magiciens de la Lumière (Wizards of Light), a Film for Education*

Pierre Lauginie

GHDSO (Groupe d'Histoire et de Diffusion des sciences d'Orsay),  
Faculté des sciences d'Orsay,  
Université Paris-Sud,  
FRANCE



**19:00 to 19:30** *An Aim for Science Education in France: the Image of the Nature of Science. How to Introduce the History of Science in Science Classes in order to Reach it?*

**Laurence Maurines**  
**Daniel Beaufils**

DidaScO,  
Université Paris-Sud 11,  
FRANCE

**19:30 to 20:00** *How to Read the History of Science in the Science School Textbooks: Theoretical and Methodological Considerations Inspired in Bruno Latour's Ideas about Non-humans and Networks*

**Diana M. Farías (1)**  
**Marina Castells (2)**  
**Josep Castelló (2)**

(1) Universidad Nacional de Colombia,  
COLOMBIA

(2) Universitat de Barcelona,  
SPAIN



## **S04 Centers and Periphery in Europe: The STEP Research Project**

Coordinated by Geert Vanpaemel (K.U. Leuven, Belgium)

Chaired by Josep Simon (Université Paris-10, France)

Geert Vanpaemel (K.U. Leuven, Belgium)

Manolis Patiniotis (Athens University, Greece)

### **'Pere Corominas' lecture room**

IEC - Institut d'Estudis Catalans

*Saturday, 20 November*

#### **11:30 to 12:00**    ***STEPping Forward in Historiography of Science***

**Manolis Patiniotis**

Department of Philosophy and History of Science,  
Athens University,  
GREECE

#### **12:00 to 12:30**    ***One or Many? Laboratory Cultures in Europe***

**Geert Vanpaemel**

HU Brussels,  
KU Leuven,  
BELGIUM

#### **12:30 to 13:00**    ***The Dutch Cutting Edge in a Northern Periphery. The Transfer of the Fine-blade Sawmills to the Rim of the Baltic Sea in the 17th and 18th Centuries***

**Timo Myllyntaus**

University of Turku,  
FINLAND

#### **13:00 to 13:30**    ***Scientific Debates in the European 'Periphery': Disputing on the Nature of the Caloric in the Greek-speaking Space during the Early 19th Century***

**Sandy Sakorafou**

School of Humanities,  
Hellenic Open University,  
GREECE

#### **13:30 to 15:00**    ***BREAK***

#### **15:00 to 15:30**    ***Centres and Periphery in Europe: The Case of Gregor Mendel's Discovery***

**Jiri Sekerak**

MENDELIANUM Musei Moraviae, Brno,  
CZECH REP.

#### **15:30 to 16:00**    ***Chemical Industry and Technology in the Czech Lands in the First Half of the 20th Century (Cross-National Comparison)***

**Ivana Lorencova**

Department of the History of Science and Technology,  
National Technical Museum, Prague,  
CZECH REP.



**16:00 to 16:30** *The Modernity of Mathematics in Spain through the Doctorate in the Period 1900-1936*

Luis Español González  
M<sup>a</sup> Ángeles Martínez García  
Universidad de La Rioja, Logroño,  
SPAIN



## **S05 Circulation of Ideas, Techniques, and the Scientific Personae - the Role Networks did Play, from the Gender Perspective**

Coordinated by Annette B. Vogt (Women's Commission of the DHST/IUHPS)  
Annette Lykknes (Women's Commission of the DHST/IUHPS)  
Maria Rentetzi (Women's Commission of the DHST/IUHPS)

Chaired by Maria Rentetzi (National Technical University of Athens, Greece)  
Ida H. Stamhuis (VU University Amsterdam, Netherlands)

### **Lecture room 1.5**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

**19:00 to 19:30**    ***Smallpox Eradication: a Network of Learned Women in the Academy of Sciences of Lisboa***

**José Alberto Silva**

CIUHCT - Interuniversity Centre for the History of Science and Technology,  
University of Lisbon,  
PORTUGAL

**19:30 to 20:00**    ***Laboratories at the Medicine Faculty of Coimbra University in the 19th Century***

**Maria Burguete**

Faculty of Medicine,  
University of Coimbra,  
PORTUGAL

*Saturday, 20 November*

**11:30 to 12:00**    ***Exchange of Scientific Information among the Sanitary Professionals Participating in the International Sanitary Conferences in the 19th Century***

**Francesc Bujosa (1)**

**Gloria Gallego (1)**

**Pere Sales (1)**

**Joana Maria Pujades (1,2)**

(1) Grup d'Investigació d'Història de la Salut,  
Institut Universitari de Ciències de la Salut,  
Universitat de les Illes Balears (GIHS-IUNICS-UIB),

(2) Centre d'Estudis Demogràfics,  
Universitat Autònoma de Barcelona (CED- UAB),  
SPAIN

**12:00 to 12:30**    ***Naturalistic Observations in Apulia during the 19th Century. Vincenzo de Romita and Enrico Hillyer Giglioli***

**Peter Zeller**

Department of Human Science, Landscape, Cultural Heritage, Literary Civilisation and Education (DISCUM),  
Faculty of Education Sciences,  
University of Foggia,  
ITALY



- 12:30 to 13:00** ***Erna Lesky, General and Diplomat.  
Networking as a Power Tool for Career- and Science-Management in History  
of Science***
- Felicitas Seebacher**  
Faculty of Humanities – Department of History,  
Alpen-Adria-University of Klagenfurt,  
AUSTRIA
- 13:00 to 13:30** ***“How Russian Intellectual Women could contribute to Agriculture?”  
Circulation of Ideas in Education and Career Development of Women  
Agronomists, late 19th – early 20th Century***
- Olga Yu. Elina**  
S.I. Vavilov Institute for the History of Science and Technology,  
Russian Academy of Sciences, Moscow,  
RUSSIA
- 13:30 to 15:00** ***BREAK***
- 15:00 to 15:30** ***International Networks for Supporting Scientific Careers of Women in Spain,  
in the First Third of the 20th Century***
- Isabel Delgado Echeverría  
Carmen Magallón Portolés**  
Grupo Genciana,  
Universidad de Zaragoza,  
SPAIN
- 15:30 to 16:00** ***Gender in Portugal Scientific Congresses (1930-1940)***
- Maria Margaret Lopes**  
CEHFCi – History and Philosophy of Science Research Unit,  
Universidade de Évora,  
PORTUGAL
- 16:00 to 16:30** ***Women, Ecoles Normales Supérieures and Networks: Two Case Studies***
- Anne-Sophie Godfroy**  
Research Unit "Sciences Technique Education Formation",  
Ecole Normale Supérieure de Cachan / INRP  
FRANCE
- 16:30 to 17:00** ***Guest Scientists - the Personae Who Circulated Ideas, Theories and  
Methods - and the Role Women Scientists Played in this Context***
- Annette B. Vogt**  
Max Planck Institute for the History of Science, Berlin,  
GERMANY



## **S06 Knowledge and Technology in the Mediterranean Basin**

Coordinated by Àngel Calvo (Universitat de Barcelona, Spain)

Chaired by Àngel Calvo (Universitat de Barcelona, Spain)

### **Lecture room 0.3**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **16:30 to 17:00 Technology Transfer and Industrial Espionage in the Eighteenth Century**

**Juan Helguera Quijada**

Dpto. Fundamentos e Historia e Instituciones Económicas,  
Universidad de Valladolid,  
SPAIN

#### **17:00 to 17:30 Augustin Betancourt and the Mining Technologies: from Almaden to Saint-Pétersbourg (1783-1824)**

**Irina Gouzevitch (1)**

**Dmitri Gouzevitch (2)**

(1) Centre Maurice Halbwachs,  
(2) Centre d'études des mondes russe, caucasien et est-européen,  
EHESS, Paris,  
FRANCE

#### **17:30 to 18:00 COFFEE BREAK**

#### **18:00 to 18:30 Textile Technological Transfer from a non Innovative Country: Spain during the 20th Century**

**Montserrat Llonch Casanovas**

**Esteve Deu Baigual**

Department of Economics and Economic History,  
Universitat Autònoma de Barcelona,  
SPAIN

#### **18:30 to 19:00 Bell's Travels to Paris and the Introduction of his Telephone in France (1877-78)**

**Jesús Sánchez Miñana**

Universidad Politécnica de Madrid,  
SPAIN

#### **19:00 to 19:30 Franco's Dams: a Case of Technological Regress. The Technological Backtracked Facts in Historical Perspective**

**Santiago López García**

Salamanca University,  
SPAIN

#### **19:30 to 20:00 The Electricity in Spain, its Introduction and Industrial Development**

**Joan Carles Alayo Manubens**

Centre de Recerca per a la Història de la Tècnica,  
SPAIN





Saturday, 20 November

- 11:30 to 12:00** *High Technologies of Telecommunications for Non-Core Countries. The Spanish Case*  
Angel Calvo  
University of Barcelona,  
SPAIN
- 12:00 to 12:30** *The Ram-Tortoise of Hegetor of Byzantium in the Treatise "On Machines" by Atheneus Mechanicus. Some Remarks on its Reconstruction*  
Maurizio Gatto  
Max Plank Institut for the History of Science, Berlin,  
GERMANY
- 12:30 to 13:00** *Nicolò Sagri's Il Chartiggiatore (1570): Practical Knowledge from a Sixteenth-century Ragusan Manuscript on Shipbuilding and Seamanship*  
Lilia Campana  
Nautical Archaeology Program,  
Dept. of Anthropology,  
Texas A&M University,  
USA
- 13:00 to 13:30** *Paul Deshayes and the Study of Portuguese Tertiary Molluscs*  
Jose Manuel Brandão  
LNEG / Centro de Estudos de História e Filosofia da Ciência,  
PORTUGAL
- 13:30 to 15:00** **BREAK**
- 15:00 to 15:30** *Alentejo (Portugal) and the Scientific Expertise in Fortification in Modern Period: the Circulation of Masters and Ideas*  
Antónia Fialho Conde  
Departamento de História/CIDEHUS,  
Universidade de Évora,  
PORTUGAL
- 15:30 to 16:00** *Technocratic Ideals in Motion. Ideology and Engineering in Catalonia before the II World War*  
Jaume Valentines Álvarez  
Centre of Research for the History of Technology (CRHT),  
Polytechnic University of Catalonia (UPC),  
SPAIN
- 16:00 to 16:30** *The Role of the Academy of Natural Sciences and Arts of Barcelona in the Circulation of Science and Technology in the Late Eighteenth-Early Nineteenth Century*  
Carles Puig-Pla  
Research Center of Technological History,  
Universitat Politècnica de Catalunya,  
SPAIN



## **S07 The Transmission of Mathematical Sciences among the Mediterranean Cultures**

Coordinated by Konstantinos Nikolantonakis (University of Western Macedonia, Greece)

Chaired by Konstantinos Nikolantonakis (University of Western Macedonia, Greece)

**'Pi i Sunyer' lecture room**

IEC - Institut d'Estudis Catalans

*Saturday, 20 November*

**15:00 to 15:30**    ***Francesco Maurolico and the Transmission of the Elements in the Renaissance***

**Veronica Gavagna**

Dipartimento di Matematica e Informatica,  
Università di Salerno,  
ITALIA

**15:30 to 16:00**    ***Playfair's Geometry in Arabic***

**Gregg De Young**

Mathematics Department,  
The American University in Cairo,  
EGYPT

**16:00 to 16:30**    ***Studies on the Problem of Minimum and Maximum in Conic Sections's Traditions. Apollonios of Perga and Serenus of Antinoeia***

**Konstantinos Nikolantonakis**

University of Western Macedonia,  
GREECE

**16:30 to 17:00**    ***Astronomy in Late Byzantine Era: the Debate Between the Different Traditions***

**Gianna Katsiampoura**

National Hellenic Research Foundation,  
GREECE



## **S08 The Travels of Scientists in Europe since the 16th Century**

Coordinated by Ana Simões (Universidade de Lisboa, Portugal)  
Eberhart Knobloch (Technische Universität, Berlin, Germany)  
Robert Fox (Museum for the History of Science, Oxford, UK)  
Suzanne Débarbat (Observatoire de Paris, France)

Chaired by Eberhart Knobloch (Technische Universität, Berlin, Germany)  
Ana Simões (Universidade de Lisboa, Portugal)  
Robert Fox (Museum for the History of Science, Oxford, UK)  
Suzanne Débarbat (Observatoire de Paris, France)

### **'Pere Corominas' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**12:00 to 12:30**    ***Global Science from a Dutch Perspective: Dutch Participation in 19th-Century Humboldtian Networks***

**Azadeh Achbari**

Free University of Amsterdam,  
THE NETHERLANDS

**12:30 to 13:00**    ***Why Europe? Alexander von Humboldt in Italy, 1805***

**Marie-Noëlle Bourguet**

Université Denis Diderot-Paris7 (Laboratoire ICT), AND  
Centre Alexandre Koyré,  
FRANCE

**13:00 to 13:30**    ***Expeditions in Russia on Earth Magnetism during the First Half of the 19th Century***

**Karin Reich**

University of Hamburg,  
GERMANY

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Alexander von Humboldt's Travels to Paris 1830-1848***

**Ulrich Päßler**

Alexander-von-Humboldt-Forschungsstelle,  
Berlin-Brandenburgische Akademie der Wissenschaften,  
GERMANY

**15:30 to 16:00**    ***Invisible Travellers and Virtual Tracks: Knowledge Construction in Colóquios dos Simples e Drogas de India... of Garcia de Orta (Goa, 1563)***

**Teresa Nobre de Carvalho**

Centre for the History of Science and Technology CIUHCT,  
University of Lisbon,  
PORTUGAL



- 16:00 to 16:30**    ***16th Century Professors of Mathematics at the University of Helmstedt: A German and European Scientific Network***  
Pietro Daniel Omodeo  
Max Planck Institute for the History of Science, Berlin  
GERMANY
- 16:30 to 17:00**    ***An Alchemist's Grand Tour: Oswald Croll's Travels throughout Europe***  
Gloria Gallaire Fabienne  
Université Paris Diderot,  
FRANCE
- 17:00 to 17:30**    ***Sir James Hall, a Man of Science in the French Revolution***  
Elizabeth Denton  
Université Montpellier 2,  
FRANCE
- 17:30 to 18:00**    **COFFEE BREAK**
- 18:00 to 18:30**    ***The Amateur's Open Laboratory: The Président de Virly's Travels, 1777-1786***  
Patrice Bret  
IRSEM & Centre Alexandre Koyré-CRHST,  
FRANCE
- 18:30 to 19:00**    ***The Ottoman Ambassadors' Discovery of Parisian Scientific Cabinets: A Case Study on the 'Take away' of Bion's Eclipse Calculator to Istanbul***  
Feza Günergun  
Department of History of Science, Faculty of Letters,  
Istanbul University,  
TURKEY
- 19:00 to 19:30**    ***Voyages along Meridian Lines in Europe***  
Suzanne Débarbat  
Observatoire de Paris  
FRANCE
- 19:30 to 20:00**    ***Contribution of Japanese Printed Drawings of Aquatic Animals Brought to Europe by Holland Merchants in the 18th and 19th Centuries for Biological Development***  
Yuko Takigawa  
Lab. of Biological and Chemical Oceanography,  
Faculty of Agriculture,  
Kagawa University,  
JAPAN

*Friday, 19 November*

- 11:30 to 12:00**    ***Discovering Azores's Nature***  
Conceição Tavares  
CIUHCT - Centro Interuniversitário de História das Ciências e da Tecnologia,  
PORTUGAL



- 12:00 to 12:30** *Travels of Professor Frantisek Lexa and Jaroslav Petrbok in Europe and Mediterranean*
- Adela Junova Mackova**  
The National Museum Archives,  
Faculty of Art, Charles University, Prague,  
CZECH REP.
- 12:30 to 13:00** *The Rituals of Chemistry: the Conferences of the International Union of Pure and Applied Chemistry in the 1920s*
- Danielle M. E. Fauque**  
Faculté des sciences,  
Université Paris-Sud 11,  
FRANCE
- 13:00 to 13:30** *Creating an International Community in Nutrition Physiology: The European Tours of Francis Gano Benedict*
- Elizabeth Neswald**  
Brock University,  
CANADA
- 13:30 to 15:00** **BREAK**
- 15:00 to 15:30** *European Travels of Scientists from the National Museum in Prague (1818-1948)*
- Libor Jun**  
The National Museum Archives, Prague,  
CZECH REP.
- 15:30 to 16:00** *European Voyages around Lapland Expedition (1736-1737)*
- Monique Gros**  
Institut d'astrophysique de Paris (CNRS) and  
Université Pierre et Marie Curie -UPMC,  
FRANCE





**18:30 to 19:00** *The Jesuits and the Circulation of Books in the Sciences from Europe to China (17th-18th Cent.)*

**Noël Golvers**

Fac. Letteren (Sinol.) - F. Verbiest Instituut and  
Faculteit Letteren,  
Katholieke Universiteit Leuven,  
BELGIUM

**19:00 to 19:30** *The French Jesuits and the Padroado. Itineraries of Knowledge between Europe and China in the Late Seventeenth Century*

**Catherine Jami**

CNRS (SPHERE-REHSEIS), Paris,  
FRANCE

**19:30 to 20:00** *'The Limits of Control'. Jesuit Drugs under the Patronage of the Kangxi Emperor (r. 1662-1722)*

**Beatriz Puente-Ballesteros**

Postdoctoral Research Fellow,  
Faculty of Arts, Department of Sinology,  
Katholieke Universiteit Leuven,  
BELGIUM

*Saturday, 20 November*

**11:30 to 12:00** *The Jesuit Missions and Chinese Materia Medica during the 18th Century*

**Carlos Hugo Sierra**

Keele University,  
UNITED KINGDOM  
University of the Barque Country,  
SPAIN

**12:00 to 12:30** *The Jesuit Le Chéron d'Incarville and his Catalogue of «Objects d'Histoire Naturelle» in Use in China*

**Manuel S. Pinto**

Universidade de Aveiro,  
PORTUGAL

**12:30 to 13:00** *The First Protestant Missionaries as European Naturalists in India. Competitors of Jesuits in the 18th Century*

**Brigitte Hoppe**

Geschichte der Naturwissenschaften,  
Ludwig-Maximilians-Universitaet Muenchen,  
GERMANY

**13:00 to 13:30** *“In parte physicae theoreticae Newtonum eiusque commentatores secutus sum” – Leopold Gottlieb Biwald's Physica Generalis as a Compendium Propagating Newtonian Physics in Europe*

**Cornelia Faustmann**

University of Vienna,  
AUSTRIA

**13:30 to 15:00** **BREAK**



**15:00 to 15:30** *Maximilian Hell's Ephemerides and the Dissemination of Astronomical Knowledge in and from the Habsburg Monarchy (1757-1792)*

László Kontler

Central European University, Budapest,  
HUNGARY

**15:30 to 16:00** *Hallerstein and Gruber's Scientific Heritage*

Stanislav Joze Juznic

Research and Development Department  
Fara, Municipality of Kostel  
SLOVENIA  
Oklahoma University  
USA

**16:00 to 16:30** *A. Hallerstein: A Scientific Link between Europe, China and Korea*

Mitja Saje

Department of Asian and African Studies, Faculty of Arts,  
University of Ljubljana,  
SLOVENIA





## **S10 Cartesian Physics (as Experimental Philosophy) and its University Reception**

Coordinated by Mihnea Dobre (University of Bucharest, Romania)

Chaired by Mihnea Dobre (University of Bucharest, Romania)

**'Puig i Cadafalch' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**12:00 to 12:30**    ***Experience and Experiment: What Can We Learn about Descartes' Natural Philosophy from his Correspondence?***

**Delphine Bellis**

Utrecht University  
THE NETHERLANDS

**12:30 to 13:00**    ***The Empirical Element in Descartes' Physics and its Reception by Spinoza***

**Epaminondas Vampoulis**

Department of Philosophy,  
University of Patras,  
GREECE

**13:00 to 13:30**    ***Experiment in Cartesian Courses. The Case of Professor Buchard de Volder***

**Tammy Nyden**

Grinnell College,  
USA

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Rohault's "Traité de Physique" and its Newtonian Reception***

**Mihnea Dobre**

University of Bucharest,  
ROMANIA



## **S11 Some Aspects of the Circulation of Symbolic Language**

Coordinated by M<sup>a</sup> Rosa Massa-Esteve (Universitat Politècnica de Catalunya, Spain)

Chaired by M<sup>a</sup> Rosa Massa-Esteve (Universitat Politècnica de Catalunya, Spain)

### **Lecture room 1.4**

UB2 - 'Josep Carner' Building

*Saturday, 20 November*

**15:00 to 15:30**    ***Purpose and Function of Symbolism in Abbaco Algebra***

**Albrecht Heeffer**

Center for Logic and Philosophy of Science,  
Ghent University,  
BELGIUM

**15:30 to 16:00**    ***Can we Know if Printers Played a Role in the Elaboration of Algebraic Symbolism in the 16th Century?***

**François Loget**

Centre d'études supérieures de la Renaissance (Tours),  
Université de Limoges,  
FRANCE

**16:00 to 16:30**    ***The Circulation of Algebraic Symbolism Related to the First Algebraic Works in the Iberian Peninsula***

**Fàtima Romero Vallhonestà**

Universitat Politècnica de Catalunya,  
SPAIN

**16:30 to 17:00**    ***The Circulation of Symbolic Language in the Seventeenth Century***

**M<sup>a</sup> Rosa Massa Esteve**

Centre de Recerca per a la Història de la Tècnica,  
Departament de Matemàtica Aplicada I,  
Universitat Politècnica de Catalunya,  
SPAIN

**17:00 to 17:30**    ***Mathematics and Instrumentalization as "Linguistic" Tools for the Widespread Circulation of Science and Technology***

**Nathalie Huyghues des Etages**

Independent Researcher,  
FRANCE



## **S12 The Development of New Scientific Ideas in Portugal and Other Peripheral Countries: Scientists, Laboratories, Instruments and Texts in the Nineteenth and Twentieth Centuries**

Coordinated by Isabel Serra (Universidade de Lisboa, Portugal)  
Elisa Maia (Universidade de Lisboa, Portugal)  
Francisca Viegas (Universidade de Lisboa, Portugal)

Chaired by Nuno Marques Peiriço (Universidade de Lisboa, Portugal)  
Elisa Maia (Universidade de Lisboa, Portugal)  
Francisca Viegas (Universidade de Lisboa, Portugal)

### **Lecture room 1.1**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

**11:30 to 12:00** ***Kurt Jacobsohn and Manuel Valadares. Two Unusual Teachers and Researchers of the Polytechnic School/Faculty of Sciences***

**Nuno Marques Peiriço**

University of Lisbon,  
PORTUGAL

**12:00 to 12:30** ***The Role of Theodor Gerdorf, Friedrich Krantz and Émile Deyrolle in the Collections of Mining, Metallurgy, Mineralogy and Paleontology from the Institute of Engineering of Porto (ISEP), Portugal***

**P. Costa (1,2)**

**H.I. Chaminé (1,3)**

**P.M. Callapez (4)**

(1) ISEP, Politécnico do Porto,

(2) Museu do ISEP,

(3) Museu de Mineralogia e Geologia, ISEP;

Centro GeoBioTec, UA,

(4) Museu Mineralógico e Geológico,

Univ. Coimbra, FCTUC;

Centro Geofísica, UC,

PORTUGAL

**12:30 to 13:00** ***Scientific Life of Marieta da Silveira, Professor of the Faculty of Sciences of the University of Lisbon***

**Francisca Viegas**

Universidade de Lisboa,  
PORTUGAL

**13:00 to 13:30** ***Jacob Bjerknes and the Weather Forecast in Portugal***

**A. J. Leonardo**

**D. R. Martins**

**C. Fiolhais**

Center for Computational Physics and

Department of Physics,

University of Coimbra,

PORTUGAL

**13:30 to 15:00** ***BREAK***



- 15:00 to 15:30**    ***Making Science Cooler: Carré's Apparatus***  
Maria do Carmo Elvas (1)  
Isabel Marília Peres (2)  
Sara Carvalho (2)  
(1) MCUL, University of Lisbon,  
(2) CICTSUL and CCMM, University of Lisbon,  
PORTUGAL
- 15:30 to 16:00**    ***Regulations of the Mineral Chemistry Laboratory of the Polytechnic School of Lisbon in 1889***  
Maria Luisa Cordeiro Rolo Laborinho dos Santos Alves  
Universidade de Lisboa,  
PORTUGAL
- 16:00 to 16:30**    ***“Laboratory Hands” once more and the Polytechnic School of Lisbon, 1837 - 1911***  
Sandra Lopes  
Isabel Cruz  
CICTSUL - Centro Interdisciplinar de Ciência, Tecnologia e Sociedade,  
Universidade de Lisboa,  
PORTUGAL
- 16:30 to 17:00**    ***The Photographic Self-Recording of Natural Phenomena in the Nineteenth Century***  
Isabel Marília Peres (1)  
Maria Estela Jardim (2)  
Fernanda Madalena Costa (1)  
(1) CCMM, Centro de Ciências Moleculares e Materiais,  
(2) Faculty of Sciences,  
University of Lisbon,  
PORTUGAL
- 17:00 to 17:30**    ***Pombal's Reform of the University of Coimbra (1772) and the Institutionalisation of Astronomy in Portugal in 18th Century***  
Fernando José Bandeira de Figueiredo  
CMUC-FCTUC,  
University of Coimbra,  
PORTUGAL
- 17:30 to 18:00**    ***COFFEE BREAK***
- 18:00 to 18:30**    ***The Birth of Electrochemistry in Spain: Characters, Laboratories and Sites***  
Ángel Toca  
Department of Chemical Engineering and Inorganic Chemistry,  
ETSIT, University of Cantabria,  
SPAIN
- 18:30 to 19:00**    ***The Influence of European Science on Brazilian Racial Thought about Miscegenation during the 19th Century***  
Juanma Sánchez Arteaga  
Instituto de Biologia,  
Universidade Federal de Bahia,  
BRAZIL



**19:00 to 19:30** *Physics in Portugal in the Transition to the Republic (1910). The Role of the Polytechnic School / Faculty of Sciences of the University of Lisbon*

Isabel Serra

University of Lisbon,  
PORTUGAL



## **S13 Scandinavian Science Denationalized**

Coordinated by Vidar Enebakk (University of Oslo, Norway)  
Henrik Kragh Sørensen (University of Aarhus, Denmark)

Chaired by Henrik Kragh Sørensen (University of Aarhus, Denmark)  
Vidar Enebakk (University of Oslo, Norway)

**'Nicolau d'Olwer' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

**16:00 to 16:30**    ***The Construction and Circulation of Christopher Hansteen's Magnetometer***

**Vidar Enebakk**

University of Oslo,  
NORWAY

**16:30 to 17:00**    ***New Sciences in a New Nation State***

**Ernst Bjerke**

Forum for University History,  
University of Oslo,  
NORWAY

**17:00 to 17:30**    ***Scandinavian Science De-internationalized? The Challenges of the Learned Societies in the Post –Napoleonic Era***

**Magne Njåstad**

Department of History and classical studies,  
Norwegian University of Science and Technology,  
NORWAY

**17:30 to 18:00**    ***COFFEE BREAK***

**18:00 to 18:30**    ***Scientific Travels among Geologists***

**Anne Kristine Børresen**

Norwegian University of Science and Technology,  
NORWAY

**18:30 to 19:00**    ***Mathematics Denationalized: Scandinavian Mathematical Congresses, 1909-1925***

**Henrik Kragh Sørensen**

**Laura E. Turner**

Department of Science Studies,  
University of Aarhus,  
DENMARK

**19:00 to 19:30**    ***Chemical Engineering versus Industrial Chemistry at the Norwegian Institute of Technology, 1930s-1950s***

**Thomas Brandt**

Norwegian University of Science and Technology (NTNU),  
Trondheim,  
NORWAY



**19:30 to 20:00** *Nationalization or Denationalization. Scandinavian Collaboration on the Development of Nuclear Power Reactors, 1953-1970*

Henrik Knudsen

Henry Nielsen

Department of Science Studies,  
University of Aarhus,  
DENMARK



## **S14 What does it Mean to Be an 18th Century Empiricist? Construction and Circulation of a Pluralistic Concept**

Coordinated by Anne-Lise Rey (University of Lille I, France)  
Siegfried Bodenmann (University of Berne / Euler-Archive of Basel, Switzerland)

Chaired by Anne-Lise Rey (University of Lille I, France)  
Siegfried Bodenmann (University of Berne / Euler-Archive of Basel, Switzerland)

### **Lecture room 1.3**

UB2 - 'Josep Carner' Building

*Saturday, 20 November*

**11:30 to 12:00** ***Newton's Empiricism at the Crossroad : on the Meaning, Use and Fate of the Experimentum Crucis***

**Philippe Hamou**

Institut de Recherches Philosophiques,  
Université Paris Ouest Nanterre la Défense,  
FRANCE

**12:00 to 12:30** ***Eighteenth Century Newtonianism and Four Kinds of Empiricism***

**Eric Schliesser**

Philosophy and Moral Sciences,  
Ghent University,  
BELGIUM

**12:30 to 13:00** ***The Experiments of Willelm s'Gravesande: a Validation of Leibnizian Dynamics against Newton***

**Anne-Lise Rey**

Université Lille I/ UMR STL,  
FRANCE

**13:00 to 13:30** ***Medical Empiricism and Baglivi's De Praxi Medica (1705): a Paradoxical Legacy***

**Raphaële Andrault**

UMR 5037 - Cerphi, ENS-Lyon, and  
Fondation Thiers, Institut de France,  
FRANCE

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Was Early Eighteenth Century's Chemistry an Empirical Science?***

**Bernard Joly**

Univ Lille Nord de France,  
FRANCE

**15:30 to 16:00** ***Empiricism as Rhetoric of Legitimation: Maupertuis and the Figure of the Earth***

**Siegfried Bodenmann**

University of Berne, and  
Euler-Archiv, Basel  
SWITZERLAND





**16:00 to 16:30**    ***The Faculty of Imagination and the Invention of Experiments in Bacon***

Doina-Cristina Rusu  
University of Bucharest,  
ROMANIA

**16:30 to 17:00**    ***Fictive Empiricism, Material Experiments — Some Reflections on a Conceptual Anachronism***

Marc J. Ratcliff  
University of Geneva,  
SWITZERLAND



## **S15 'Moved' Natural Objects – Spaces in Between**

Coordinated by Marianne Klemun (University of Vienna, Austria)  
Sabine Brauckmann (Science Center, Tartu, Estonia)

Chaired by Marianne Klemun (University of Vienna, Austria)

### **Lecture room 1.2**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

**18:30 to 19:00** ***Global Transportation by Way of Systemic Temporary Spaces: Ship, Island, Botanical Garden, Paradise and Container***

**Marianne Klemun**

Department of History,  
University of Vienna,  
AUSTRIA

**19:00 to 19:30** ***Technicalities of an “[...] inevitable [...] long transportation by sea and by land [...]”]: Natural Objects from Buenos Aires to Madrid (18th Century)***

**Marcelo Fabián Figueroa**

National University of Tucumán-Argentina (UNT),  
Argentinean National Council for the Science and Technology (CONICET),  
ARGENTINA

**19:30 to 20:00** ***Collecting and Sending Geological Specimens between the 18th and the 19th Century: a Traveller's Experience***

**Ezio Vaccari**

Università dell'Insubria, Varese,  
ITALY

*Saturday, 20 November*

**11:30 to 12:00** ***Minerals on the Road. Mineralogical Packages forming Cultural Spaces***

**Benigna Kasztner**

Friedrich-Schiller-Universität Jena,  
GERMANY

**12:00 to 12:30** ***Making Objects to Move: Minerals and their Dealers in 19th Century***

**Bernhard Fritscher**

Lehrstuhl für Geschichte der Naturwissenschaften,  
Universität München,  
GERMANY

**12:30 to 13:00** ***Field Notebook as a Temporal Mnemonic Tool***

**Renata Sõukand**

Estonian Literary Museum, Tartu, and  
Institute of Philosophy and Semiotics,  
Tartu University,  
ESTONIA



**13:00 to 13:30**    ***Metamorphosis between Jungle and Museum. Collections in the Making***

**Kurt Schmutzer**

Austrian Broadcasting Corporation, Vienna,  
AUSTRIA

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Seeds of Knowledge***

**Annalisa Managlia  
Umberto Mossetti  
Ariane Dröschner**

University of Bologna,  
ITALY

**15:30 to 16:00**    ***When the Natural Object Itself Becomes the “Space in Between”***

**Raivo Kalle**

Estonian Literary Museum, Tartu,  
ESTONIA

**16:00 to 16:30**    ***Culinary Interspaces: Baltic Gardening and Nutrition in Early Modern Times***

**Ulrike Plath**

Under and Tuglas Literature Centre,  
Estonian Academy of Sciences,  
ESTONIA

**16:30 to 17:00**    ***The Beauty on Display. The “Perfumery Filtz” “ and its Beauty Products in the Nineteenth Century Vienna***

**Teodora Daniela Sechel**

Central European University, Budapest  
HUNGARY

**17:00 to 17:30**    ***Teodoro Monticelli (1759-1845) Collection and his European Contacts. The Neapolitan Case***

**Carmela Petti (1)  
Maria Toscano (2)**

(1) Centro Musei delle Scienze Naturali di Napoli,  
(2) Dipartimento di Discipline Storiche,  
Università degli Studi di Napoli Federico II,  
ITALY



## **S16 Science in the Public Sphere: Barcelona, 1868-1939**

Coordinated by Agustí Nieto-Galan (CEHIC - Universitat Autònoma de Barcelona, Spain)

Chaired by Agustí Nieto-Galan (CEHIC - Universitat Autònoma de Barcelona, Spain)

### **'Nicolau d'Olwer' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**12:00 to 12:30** ***The Edison Tin Foil Phonograph in Barcelona: A Demonstration at the Free Athenaeum of Catalonia (1878)***

**Xavier Vall**

Centre d'Història de la Ciència (CEHIC),  
Universitat Autònoma de Barcelona,  
SPAIN

**12:30 to 13:00** ***History of Science – History of Language. Notes on the Diccionario Enciclopédico Hispano-Americano (1887-1899)***

**Pilar Pardo Herrero**

Universitat Autònoma de Barcelona,  
SPAIN

**13:00 to 13:30** ***Science Popularization at the Martorell Museum around 1900***

**José Joaquín Varela Restrepo**

CEHIC, Universitat Autònoma de Barcelona, and  
Museu d'història de Medicina de Catalunya,  
SPAIN

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Displaying Science and Technology at the 1929 Barcelona International Exhibition***

**Jaume Sastre Juan**

CEHIC-UAB,  
SPAIN

**15:30 to 16:00** ***The Popularization of Electrical Household Devices in Barcelona in the 1930s. The Journal *Electricidad Industrial y Doméstica****

**Jordi Ferran Boleda**

CEHIC - UAB,  
SPAIN

**16:00 to 16:30** ***Specialisation and Popularisation of Medicine: Barcelona, 1920-1938***

**Alfons Zarzoso (1,2)**

**Enrique Perdiguero-Gil (3)**

**Àlvar Martínez-Vidal (2)**

(1) Museu d'Història de la Medicina de Catalunya,

(2) Universitat de València,

(3) Miguel Hernández University,

SPAIN



**16:30 to 17:00** *Medical Knowledge in Popular Sports Newspapers in Barcelona, 1935-36*

Yoko Tochigi

Autonomous University of Barcelona (UAB),  
SPAIN



## **S17 The Dialectic Relation between Physics and Mathematics in the XIXth Century**

Coordinated by Evelyne Barbin (Université de Nantes, France)  
Raffaele Pisano (Université de Nantes, France)

Chaired by Leo Corry (Tel Aviv University, Israel)  
Danilo Capecchi (Università di Roma La Sapienza, Italy)

### **Lecture room BC**

BC - Biblioteca de Catalunya

*Thursday, 18 November*

#### **12:00 to 12:30    *Group Theory and Crystallography***

**Bernard Maitte**

CHSE,  
Université de Lille 1,  
FRANCE

#### **12:30 to 13:00    *Geometric Algebra versus Vector Algebra as Physical Mathematics: Bridging Past and Future***

**Josep Manel Parra Serra**

Departament de Física Fonamental,  
Universitat de Barcelona,  
SPAIN

#### **13:00 to 13:30    *On the Birth of Electromagnetic Theory***

**Raffaele Pisano**

Centre François Viète – Université de Nantes,  
FRANCE

#### **13:30 to 15:00    *BREAK***

#### **15:00 to 15:30    *Mathematical Physics in Italy: the Theory of Elasticity***

**Danilo Capecchi**

Università di Roma La Sapienza,  
ITALY

#### **15:30 to 16:00    *Mathematical Language as a Tool for Representing Space, Matter, and Interaction***

**Ladislav Kvasz**

Charles University in Prague,  
CZECH REP.  
Comenius University in Bratislava,  
SLOVAKIA

#### **16:00 to 16:30    *The Mathematical Physics in the Style of Gabriel Lamé***

**Evelyne Barbin (1)**

**René Guitart (2)**

(1) Centre François Viète,  
Université de Nantes,  
(2) IMJ, Université Paris-Diderot Paris 7,  
FRANCE



**16:30 to 17:00**    ***The Interaction of Physics, Mechanics and Mathematics in Liouville's Research***

**Jesper Lützen**

Department of Mathematical Sciences,  
University of Copenhagen,  
DENMARK

**17:00 to 17:30**    ***The Emergence of Mathematical Physics at the University of Leipzig***

**Karl-Heinz Schlote**

Sächsische Akademie der Wissenschaften zu Leipzig,  
GERMANY

**17:30 to 18:00**    ***COFFEE BREAK***

**18:00 to 18:30**    ***Searching for the Foundations of Physics in the Late Nineteenth Century:  
Carl Neumann, Paul Volkmann, Aurel Voss***

**Leo Corry**

Tel Aviv University,  
ISRAEL



## **S18 Chemical Order in Transit: Comparative Studies of the Response to the Periodic System**

Coordinated by Masanori Kaji (Tokyo Institute of Technology, Japan)

Chaired by Masanori Kaji (Tokyo Institute of Technology, Japan)

**'Nicolau d'Olwer' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**17:00 to 17:30**    ***The Early Reception of Mendeleev's Periodic Law in Russia***

**Nathan Brooks (1)**

**Masanori Kaji (2)**

**Igor Dmitriev (3)**

(1) New Mexico State University,  
USA

(2) Tokyo Institute of Technology,  
JAPAN

(3) St. Petersburg State University,  
RUSSIA

**17:30 to 18:00**    ***COFFEE BREAK***

**18:00 to 18:30**    ***About the Periodic Table in German Scientific Papers and the Influence of Scientific Networking for its Acceptance in the End of the 19th Century***

**Gisela Boeck**

Institute of Chemistry,  
University of Rostock,  
GERMANY

**18:30 to 19:00**    ***Mendeleev's Phenomenological Periodic Table was not Theoretical enough for Immediate Adoption in Britain: a Textbook Study***

**John Oversby**

University of Reading,  
UNITED KINGDOM

**19:00 to 19:30**    ***The Reception of Mendeleev's Periodic Law in France, 1870-1920***

**Antonio García Belmar (1)**

**Bernadette Bensaude Vincent (2)**

(1) Universidad de Alicante,  
SPAIN

(2) Université de Paris Ouest,  
FRANCE

**19:30 to 20:00**    ***The Reception of Mendeleev's Periodic System in Sweden and the Discovery of New Elements. A Non-revolutionary Event***

**Anders Lundgren**

Department for history of science and ideas,  
Uppsala university,  
SWEDEN

*Friday, 19 November*





**11:30 to 12:00**    ***The Reception of the Periodic System in Denmark***

**Helge Kragh**

University of Aarhus,  
DENMARK

**12:00 to 12:30**    ***Piccini, Ciamician, and the Periodic Law in Italy***

**Marco Ciardi  
Marco Taddia**

University of Bologna,  
ITALY

**12:30 to 13:00**    ***Appropriating Periodic Law in Late Nineteenth-Century Spain: Chemical Classifications and Evolutionary Cosmology***

**José Ramón Bertomeu Sánchez  
Rosa Muñoz Bello**

Instituto de historia de la medicina y de la ciencia "López Piñero",  
SPAIN

**13:00 to 13:30**    ***Antropoff's Periodic Table: History, Significance, and Propagation from Germany to Spain***

**Claudi Mans (1)  
Eugen Schwarz (2)**

(1) Universitat de Barcelona,  
SPAIN

(2) Universität Siegen,  
GERMANY

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Echos from the Reception of Periodic Table in Portugal***

**Isabel Malaquias**

Departamento de Física, CIDTFF,  
Universidade de Aveiro,  
PORTUGAL

**15:30 to 16:00**    ***Chemical Classification and the Response to the Periodic Law of Elements in Japan in 19th and Early 20th centuries***

**Masanori Kaji**

Tokyo Institute of Technology,  
JAPAN



## **S19 Circulation of Mathematical Knowledge in 18th-Century Britain: New Perspectives**

Coordinated by Mónica Blanco (Universitat Politècnica de Catalunya, Spain)  
Olivier Bruneau (Université de Nantes / Université de Brest, France)

Chaired by Mónica Blanco (Universitat Politècnica de Catalunya, Spain)  
Olivier Bruneau (Université de Nantes / Université de Brest, France)

### **Lecture room RAF**

RAF - Reial Acadèmia de Farmàcia

*Thursday, 18 November*

**18:00 to 18:30**    ***Teaching the Methods of Fluxions in the 18th-Century Great-Britain: the Case of Colin MacLaurin***

**Olivier Bruneau**

Centre François Viète - Université de Nantes,  
PaHST - Université de Brest,  
FRANCE

**18:30 to 19:00**    ***Francis Blake and the Method of Fluxions***

**Mónica Blanco**

Departament de Matemàtica Aplicada III,  
Universitat Politècnica de Catalunya,  
SPAIN

**19:00 to 19:30**    ***Mathematical Knowledge in Navigation: Exploring the Transfer of Skills in the Years up to The Almanack***

**Jane Wess**

The Science Museum, London,  
UNITED KINGDOM

**19:30 to 20:00**    ***British Influences in the Introduction of Calculus in Spain (1717-1767)***

**Elena Ausejo**

University of Zaragoza,  
SPAIN



## **S20 Circulations of Mathematical Texts, Ideas and Practices (1870-1945)**

Coordinated by Frédéric Brechenmacher (Université d'Artois, France)

Chaired by Frédéric Brechenmacher (Université d'Artois, France)

### **Lecture room 1.2**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **11:30 to 12:00 Introduction of Elementary Divisor Theory in Spain**

**Yolima Álvarez Polo (1,2)**

**Luis Español González (1)**

(1) Universidad de la Rioja,  
SPAIN

(2) Universidad Distrital Francisco José de Caldas, Bogotá,  
COLOMBIA

#### **12:00 to 12:30 “Neighbourhoods” versus “Accumulation Point”: a Second Front in Wartime**

**Laura Rodríguez**

Universität Leipzig,  
GERMANY

#### **12:30 to 13:00 Circulations of Algebraic Practices (1870-1940) : Networks, Communities and Disciplines Formations, Evolutions, and Connections**

**Frédéric Brechenmacher**

University of Lille - North of France;  
U. Artois;  
Laboratoire de mathématiques de Lens;  
FRANCE

#### **13:00 to 13:30 Nationalism, Internationalism, and Community Formation: Mittag-Leffler and Individual Agendas in the Circulation of Mathematical Knowledge and Practice**

**Laura E. Turner**

University of Aarhus,  
DENMARK

#### **13:30 to 15:00 BREAK**

#### **15:00 to 15:30 Mathematics and Culture. Cultural Relativism vs. Continuity : Spengler's “Decline of the West”**

**Bjoern Schirmeier**

Museumslandschaft Hessen Kassel,  
GERMANY

#### **15:30 to 16:00 The Swiss Mathematical Society as a Promoter and Center for National and International Exchange in Mathematics**

**Erwin Neuenschwander**

Institut für Mathematik,  
Universität Zürich,  
SWITZERLAND



**16:00 to 16:30**    ***Uncertainty Squared: The Mathematical Construction of Quantum Probability***

**Arianna Borrelli**

Bergische Universität Wuppertal,  
GERMANY

**16:30 to 17:00**    ***Representation Theory in Quantum Mechanics***

**Martina R. Schneider**

Johannes Gutenberg Universitaet Mainz  
GERMANY



## **S21 2010, the Bicentenary of the Annals of Mathematics of Gergonne: the Emergence of the Journals of Mathematics in 19th Century and Their Role in the Diffusion and the Progress of this Science**

Coordinated by Christian Gérini (Université Paris 11 - Orsay, France)

Chaired by Norbert Verdier (GHDSO, IUT de Cachan, Université Paris Sud 11)

### **Lecture room 1.4**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

- 11:30 to 12:00** ***The Circulation of Mathematics in the Europe of the Beginning of the 19th Century: the Fundamental Contribution of the First Journals Dedicated to this Science***
- Christian Gérini**  
Groupe d'Histoire et de Diffusion des Sciences d'Orsay (GHDSO), Université Paris - 11 Orsay,  
FRANCE
- 12:00 to 12:30** ***Mathematical and Physical Journals and the Image of Applied Mathematics in 19th C Germany***
- Thomas Archibald**  
Dept of Mathematics,  
Simon Fraser University,  
CANADA
- 12:30 to 13:00** ***Joseph Liouville (1809-1882): Lector, Author and Successor of J.D. Gergonne (1771-1859)***
- Norbert Verdier**  
GHDSO & IUT Cachan,  
Université Paris-Sud 11,  
FRANCE
- 13:00 to 13:30** ***A Decisive Journal in Portuguese Mathematics. Gomes Teixeira's Jornal de Sciencias Mathematicas e Astronómicas (1877-1905)***
- Luis Saraiva**  
CMAF,  
University of Lisbon,  
PORTUGAL
- 13:30 to 15:00** ***BREAK***
- 15:00 to 15:30** ***The Annali di Matematica and the Rendiconti del Circolo Matematico di Palermo: Two Different Ways in the Diffusion and Progress of Mathematics in Italy***
- Aldo Brigaglia**  
Dipartimento di Matematica e Applicazioni,  
Università di Palermo,  
ITALY



- 15:30 to 16:00** *Mathematical Journals in Spain during the Nineteenth Century and the Beginnings of the Twentieth Century*  
María del Carmen Escribano Ródenas  
Gabriela Fernández Barberis  
Quantitative Methods Department,  
Faculty of Economics and Business Science,  
University San Pablo CEU, Madrid,  
SPAIN
- 16:00 to 16:30** *Investigating 19th-Century Mathematical Journals: Importance and Use of Other Periodicals in Nouvelles Annales de Mathématiques from 1842 to 1870*  
Liliane Alfonsi  
Groupe d'histoire et de diffusion des sciences d'Orsay (GHDSO),  
Université PARIS SUD,  
FRANCE
- 16:30 to 17:00** *The “Rivista di Giornali” (1859-1880) and the Circulation of the European Mathematical Culture in 19th Century Italy: a Case Study*  
Giuseppe Canepa  
Giuseppina Fenaroli  
Ivana Gambaro  
Università di Genova,  
ITALY
- 17:00 to 17:30** *Annales de Gergonne and Nouvelles Annales : from Elementary Geometry to Higher Geometry*  
Jean Delcourt  
Department of Mathematics,  
University of Cergy-Pontoise,  
FRANCE
- 17:30 to 18:00** **COFFEE BREAK**
- 18:00 to 18:30** *The Circulation of Knowledge in Journals and Periodic Publications at the End of the 19th Century. The Example of the New Triangle Geometry*  
Pauline Romera-Lebret  
Centre François Viète,  
Université de Nantes,  
FRANCE
- 18:30 to 19:00** *The Foreign Correspondents in the Annals of Gergonne*  
Georges Thelot  
Académie de Nice and  
GHDSO, Université Paris-11 Orsay,  
FRANCE



## **S22 Applied Biology: Practical Tasks and Fundamental Research**

Coordinated by Natalia Beregoy (Russian Academy of Sciences, Russia)

Chaired by Eduard Kolchinsky (Russian Academy of Sciences, Russia)  
Natalia Beregoy (Russian Academy of Sciences, Russia)

### **'Puig i Cadafalch' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

#### **16:00 to 16:30 Institutionalizing Applied Research in Biology, Russia**

**Eduard I. Kolchinsky**

St. Petersburg Branch of the Institute for the history of science and technology,  
Russian Academy of Sciences,  
RUSSIA

#### **16:30 to 17:00 Botany as Big Science. The Case of Berlin University, 1810 to 1840**

**Staffan Müller-Wille**

University of Exeter,  
UNITED KINGDOM

#### **17:00 to 17:30 Belgian Nurseries Introducing Novelties: did Belgian Taxonomists really Benefit from the Horticultural Industry and Plant Hunters (1830-1865)?**

**Denis Diagre**

National Botanic Garden of Belgium,  
Université Libre de Bruxelles,  
BELGIUM

#### **17:30 to 18:00 COFFEE BREAK**

#### **18:00 to 18:30 The Expeditions of Academy of Sciences of the First Half of the 19th Century and the Development of Practice Biology in the Russian Empire**

**Tatiana Feklova**

Saint-Petersburg branch,  
S.I. Vavilov's Institute for the History of History of Science and Technology,  
Russian Academy of Science,  
RUSSIA

#### **18:30 to 19:00 Botany and Horticulture: Practical and Fundamental Links (1820-1850)**

**Cristiana Oghina-Pavie (1)**

**Stéphane Tirard (2)**

(1) Centre de recherches historiques de l'Ouest,  
University of Angers,  
(2) Centre François Viète d'épistémologie et d'histoire des sciences et des techniques,  
University of Nantes,  
FRANCE



**19:00 to 19:30** *Zemstvos and Naturalists: Objectives of Applied Research, Methods of Fundamental Science*

**Anastasia A. Fedotova**

St. Petersburg Branch of the Institute of the History  
of Science and Technology named after S.I. Vavilov,  
Russian Academy of Sciences,  
RUSSIA

**19:30 to 20:00** *Fighting Against the Cattle Plague in Russia: 1800-1900*

**Natalia Beregoy**

St. Petersburg Branch of the Institute for the History of Science and Technology,  
Russian Academy of Sciences,  
RUSSIA





## **S23 Darwin in Urban Contexts, 1859-1930**

Coordinated by Katalin Stráner (Central European University, Hungary)

Chaired by Daniel Schümann (Universität Bamberg, Germany)

Hans Henrik Hjermitsev (Aarhus University, Denmark)

Katalin Stráner (Central European University, Hungary)

### **Auditorium**

RI - Residència d'Investigadors

*Saturday, 20 November*

**11:30 to 12:00**    ***Darwin's Vienna, 1859-1914***

**Werner Michler**

Institut für Germanistik (Department of German),  
Univ. of Vienna,  
AUSTRIA

**12:00 to 12:30**    ***Darwin in Budapest and Beyond: An Attempt at the Decentralisation of the Hungarian Reception of Darwinism***

**Katalin Stráner**

Central European University, Budapest,  
HUNGARY

**12:30 to 13:00**    ***The Mind of the Beast: Darwinism and Concepts of Animal Intelligence in Dublin, 1859 to 1890***

**Juliana Adelman**

Department of History,  
Trinity College Dublin,  
IRELAND

**13:00 to 13:30**    ***Darwin in Ottoman Istanbul 1859-1922***

**Cemil Ozan Ceyhan**

Istanbul Technical University,  
TURKEY

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***From Beirut Into the Muslim World: Responses to al-Muqtataf's Darwinism Debate***

**Rainer Brömer**

Fatih Üniversitesi Istanbul,  
TURKEY

**15:30 to 16:00**    ***Darwinism, Arts and Literature in Rio de Janeiro in the Beginning of the 20th Century***

**Heloisa Maria Bertol Domingues (1)**

**Magali Romero Sá (2)**

(1) Museu de Astronomia e Ciências Afins - MAST/MCT,

(2) Casa de Oswaldo Cruz - COC/FIOCRUZ,

Rio de Janeiro,  
BRAZIL



**16:00 to 16:30**    ***Theories in Transit. How German Cities Shaped Polish Notions of Darwinism***

**Daniel Schümann**

University of Bamberg,  
GERMANY

**16:30 to 17:00**    ***Darwin in Copenhagen and Askov: Evolution in Urban and Rural Contexts around 1900***

**Hans Henrik Hjermitsev**

Aarhus University,  
DENMARK

**17:00 to 17:30**    ***The Reception of Darwinism in Cities. Some Methodological Considerations***

**Thomas F. Glick**

Boston University,  
USA  
Societat Catalana d'Història de les Ciències  
SPAIN



## **S24 Appropriation of Mental Measurement in Different Cultural Contexts**

Coordinated by Annette Mülberger (CEHIC - Universitat Autònoma de Barcelona, Spain)

Chaired by John Carson (University of Michigan, USA)

Annette Mülberger (CEHIC - Universitat Autònoma de Barcelona, Spain)

### **Lecture room BC**

BC - Biblioteca de Catalunya

*Saturday, 20 November*

#### **11:30 to 12:00** *Intelligence Testing in Barcelona at the Beginnings of the Twentieth Century*

Annette Mülberger  
Vanessa Moreno Lozano  
Andrea Graus Ferrer

CEHIC,  
Universitat Autònoma de Barcelona,  
SPAIN

#### **12:00 to 12:30** *When an Instrument Crosses Borders: Measuring Mind in Early Twentieth-Century France and America*

John Carson

University of Michigan,  
USA

#### **12:30 to 13:00** *Psychological Measurement and the First Intelligence Testings: The Case of Brazil*

Ana Maria Jacó-Vilela

UERJ,  
BRAZIL

#### **13:00 to 13:30** *De Sanctis, Binet, and the Intelligence Test in Italy*

Elisabetta Cicciola

Renato Foschi

Giovanni Pietro Lombardo

"Sapienza" Università di Roma,  
ITALY

#### **13:30 to 15:00** *BREAK*

#### **15:00 to 15:30** *History of Psychological Measurement in Russia and USSR. Some Specificities in the Local Context at the Beginning of the 20th Century*

Irène Léopoldoff-Martin

Section des sciences de l'éducation,  
Didactiques des langues,  
Université de Genève,  
SWITZERLAND



**15:30 to 16:00** *New Problems and New Solutions for Modern Education in the Twentieth Century: Abnormality and Intelligence*

Mónica Balltandre

Jaume García Tora

Facultat de Psicologia,  
Universitat Autònoma de Barcelona,  
SPAIN





**17:00 to 17:30** *Domestic Accidents and Improvements of Gas Infrastructures Safety in the Middle 20th Century*

**Mercedes Arroyo Huguet**

Universitat de Barcelona,  
SPAIN

**17:30 to 18:00** **COFFEE BREAK**

**18:00 to 18:30** *The Production and Consumption of Gas in Málaga (1854-2009)*

**Mercedes Fernández-Paradas**

Universidad de Málaga  
SPAIN

**18:30 to 19:00** *Common Channels to Introducing the Technology of Gas in Catalan Towns, during the 2nd Half of 19th Century*

**Florentí Moyano Jimènez**

Doctor of History, Universitat Rovira i Virgili, and  
Gas Natural,  
SPAIN



## **S26 The World Exhibitions and the Display of Science, Technology and Culture: Moving Boundaries.**

Coordinated by Ana Cardoso de Matos (Universidade de Évora, Portugal)  
Christiane Demeulenaere-Douyere (Archives Nationales - Paris, France)  
Maria Helena Souto (IADE - Instituto de Arte e Design, Portugal)

Chaired by Irina Gouzevitch (Centre Maurice Halbwachs, France)  
Paulo Simões Rodrigues (Universidade de Évora, Portugal)  
Christiane Demeulenaere-Douyere (Archives Nationales - Paris, France)

### **SP lecture room**

UB2 - 'Josep Carner' Building

*Thursday, 18 November*

**12:00 to 12:30** ***Greece at the Paris Universal Exhibition of 1878***

**Konstantinos Chatzis (1)**  
**Georgia Mavrogonatou (2)**

(1) Université Paris-Est 'LATTIS' UMR CNRS 8134,  
FRANCE

(2) National Technical University of Athens,  
GREECE

**12:30 to 13:00** ***An Approach to Science and Engineering in the International Exhibition of Barcelona (1929)***

**Antoni Roca-Rosell**

Dep. Matemàtica Aplicada I,  
Centre de Recerca per a la Història de la Tècnica,  
Universitat Politècnica de Catalunya,  
SPAIN

**13:00 to 13:30** ***Portugal and the 1876 South Kensington Instrument Exhibition***

**Vitor Bonifácio (1)**  
**Isabel Malaquias (1,2)**

(1) Departamento de Física,  
(2) CIDTFF,  
Universidade de Aveiro,  
PORTUGAL

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***The Universal and International Exhibitions, Paris, 1855-1937: a 'Passerelle' to the Non-European Cultures***

**Christiane Demeulenaere-Douyere**

Archives nationales  
CDHTE-Cham, Paris,  
FRANCE



- 15:30 to 16:00** *Circulating Objects, Knowledge and Identities: Colonial India on Display in European and in Indian Exhibitions (1850-1950)*  
Filipa Lowndes Vicente  
ISC,  
Universidade de Lisboa,  
PORTUGAL
- 16:00 to 16:30** *The 19th Century World's Exhibitions and Their Photographic Memories. Between Historicism, Exoticism and Innovation in Architecture*  
Maria Helena Souto (1)  
Ana Cardoso de Matos (2)  
(1) Unidcom/IADE and Escola das Artes/UCP, Lisbon,  
(2) CIDEHUS/University of Évora,  
PORTUGAL
- 16:30 to 17:00** *The Counter-Revolution of Progress. Chicago's 1893 World's Columbian Exposition and the Cultural Uses of Science and Technology*  
Robert H. Kargon  
Department of History of Science and Technology  
The Johns Hopkins University,  
USA
- 17:00 to 17:30** *The Science of Architecture. Representations of the Portuguese National Architecture in the 19th Century World Exhibitions: Archetypes, Models and Images*  
Paulo Simões Rodrigues  
CHAIA (Centro de História da Arte e Investigação Artística),  
Universidade de Évora,  
PORTUGAL
- 17:30 to 18:00** **COFFEE BREAK**
- 18:00 to 18:30** *Inventing a Modern Paris. The Dynamic Relationship between Expositions, Urban Development and Museums*  
Miriam R. Levin  
Department of History,  
Case Western Reserve University Cleveland, Ohio,  
USA





## **S27 Making Sense of the Aurora: The Northern Light in Scientific and Cultural-Political Contexts**

Coordinated by Robert Marc Friedman (University of Oslo, Norway)

Chaired by Robert Marc Friedman (University of Oslo, Norway)

### **Auditorium**

RI - Residència d'Investigadors

*Thursday, 18 November*

- 15:00 to 15:30**    ***The Discovery of the Aurora's Effect on the Magnetic Needle. A Case Study on the Creation of Scientific Authority in Mid 18th-Century Sweden***
- Sven Widmalm**  
Linköping University,  
SWEDEN
- 15:30 to 16:00**    ***The Role of the Societas Meteorologica Palatina of Mannheim in the History of Northern Lights Research***
- Per Pippin Aspaas  
Truls Lynne Hansen**  
University of Tromsø,  
NORWAY
- 16:00 to 16:30**    ***Science or Wonder? Popularizing the Aurora in the late 19th Century German-Speaking Regions***
- Ulrike Spring**  
University of Tromsø,  
NORWAY
- 16:30 to 17:00**    ***Making the Aurora Norwegian: Cultural-politics of the Northern Light, ca. 1900***
- Robert Marc Friedman**  
Institute for Archaeology, Conservation and History,  
University of Oslo,  
NORWAY
- 17:00 to 17:30**    ***Between Astrophysics and Geophysics: the French Contributions to the Study of Auroras at the Beginning of the 20th Century***
- Stéphane Le Gars**  
Centre François Viète, Nantes,  
FRANCE

**S28 The Role of the History and Philosophy of Science and Technology for Analysis of Phenomenon of the Scientific and Technological Schools in the Modern Knowledge Society (World Context)**

Coordinated by Vitaly Gorokhov (Russian Academy of Sciences, Russia / Karlsruhe Institute of Technology, Germany)

Chaired by Vitaly Gorokhov (Russian Academy of Sciences, Russia / Karlsruhe Institute of Technology, Germany)

Gotthard Bechmann (Karlsruhe Institute of Technology, Germany)

Alla Lytvynko (G.M. Dobrov Center for Scientific and Technological Potential and Science History Studies NAS, Kiev, Ukraine)

Lilia Ponomarenko (National Technical University of Ukraine, Kiev)

**'Nicolau d'Olwer' lecture room**

IEC - Institut d'Estudis Catalans

*Saturday, 20 November*

**11:30 to 12:00** *Features of Forming of Scientific Schools in the Area of Statistical Physics in Ukraine and Russia*

**Alla Lytvynko (1)**

**Vitaly Gorokhov (2)**

(1) G.M. Dobrov Center for Scientific and Technological Potential and Science History Studies NAS, Kiev, UKRAINE

(2) Institute of Philosophy of the Russian Academy of Sciences, RUSSIA

Institute of Technology Assessment and Systems Analysis,  
Karlsruhe Institute of Technology,  
GERMANY

**12:00 to 12:30** *Forming of Solid State Physics and Science in Mining Engineering: Aspects of Scientific Schools*

**Lilia Ponomarenko (1)**

**Galina Gorokhova (2)**

(1) National Technical University of Ukraine,  
Kiev Polytechnic Institute,  
UKRAINE

(2) Institute of Philosophy of the Russian Academy of Sciences, RUSSIA

**12:30 to 13:00** *The Historical Development of the Laser Technology as an Example of the Non Classical Engineering Science*

**Elena Gavrulina**

Moscow Bauman State Technological University,  
RUSSIA

**13:00 to 13:30** *Knowledge Society. The Penetration of Scientific Knowledge into Fundamental Areas of Life in Modern Society*

**Gotthard Bechmann**

Institute of Technology Assessment and Systems Analysis,  
Karlsruhe Institute of Technology,  
GERMANY

**13:30 to 15:00** **BREAK**



**15:00 to 15:30** *Changing Map of Methaphysics and Perspectives of Research of Scientific and Technological Schools in the “Society of Knowledge”*

**Natalia Knekht**

Moscow Institute of Electronic Technology,  
RUSSIA

**15:30 to 16:00** *Knowledge System in Crisis: Swedish Philosophy of Science and the Humanities Drift apart. A Late Modern History of the Concept of Scientific Objectivity*

**Victoria Höög**

Department of Philosophy and History of Science,  
Lund University,  
SWEDEN

**16:30 to 17:00** *Nanotechnoscience. Interrelation of the Basic Theories, Modern Experiment and Novel Technologies*

**Vitaly Gorokhov (1)**

**Anatoly Sidorenko (2)**

(1) Institute of Technology Assessment and Systems Analysis,  
Karlsruhe Institute of Technology,  
GERMANY

(2) Institute of Electronic Engineering & Industrial Technologies,  
Kishinev,  
MOLDOVA



## **S29 Biographies of Spanish Scientists during the Franco Period**

Coordinated by Albert Presas i Puig (Max Planck Institute, Germany / Pompeu Fabra University, Spain)

Chaired by Albert Presas i Puig (Max Planck Institute, Germany / Pompeu Fabra University, Spain)

### **'Pi i Sunyer' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

**11:30 to 12:00** *Manuel Lora Tamayo (1904-2002). Chemistry and Power in Franco's Spain*

**Agustí Nieto-Galan**

Universitat Autònoma de Barcelona,  
SPAIN

**12:00 to 12:30** *Joan Antoni Subirana and Jaume Palau: the Early Years of Catalan Molecular Biology, 1958-1977*

**Xavier Calvó-Monreal**

Centre d'Història de la Ciència (CEHIC),  
Universitat Autònoma de Barcelona (UAB),  
SPAIN

**12:30 to 13:00** *Enrique Mendez and the Introduction of Protein Sequencing into Spanish Biomedicine: between the End of Franco and the Beginning of Democracy (1968-1998)*

**Miguel Garcia-Sancho**

Department of Science, Technology and Society,  
Spanish National Research Council (CSIC),  
SPAIN

**13:00 to 13:30** *The Biography of the Spanish Mathematician Tomás Rodríguez Bachiller (1899-1980)*

**M<sup>a</sup> Ángeles Martínez García**

**Luis Español González**

Universidad de La Rioja,  
Logroño,  
SPAIN

**13:30 to 15:00** **BREAK**

**15:00 to 15:30** *Fighting Isolation: the Mathematician Norberto Cuesta Dutari*

**José M. Pacheco**

Departamento de Matemáticas,  
Universidad de Las Plamas de Gran Canaria,  
SPAIN

**15:30 to 16:00** *José Otero Navascués (1907-1983), Science for a Regime*

**Albert Presas i Puig**

Max Planck Institute for the History of Science,  
GERMANY



## **S30 Science and National Identity after 1945**

Coordinated by Oliver Hochadel (Universitat Autònoma de Barcelona, Spain)

Chaired by Oliver Hochadel (Universitat Autònoma de Barcelona, Spain)

### **Lecture room RAF**

RAF - Reial Acadèmia de Farmàcia

*Thursday, 18 November*

**12:00 to 12:30** ***Narratives Surrounding the Emergence and Immediate Aftermath of the Atomic Bomb***

**Maika Nakao**

University of Tokyo,  
JAPAN

**12:30 to 13:00** ***Making Nations outside Spain: The Republican Spanish Scientists in Latin America***

**Carlos Acosta Rizo**

CEHIC (Centre d'Història de la Ciència),  
Universitat Autònoma de Barcelona, and  
CRHT (Centre de Recerca per a la Història de la Tècnica),  
Universitat Politècnica de Catalunya,  
SPAIN

**13:00 to 13:30** ***Scientific Congresses: Science and Nation Identity. Portugal in the mid-twentieth century***

**M<sup>a</sup> Fátima Nunes**

**M. Margaret Lopes**

CEHFCi – History and Philosophy of Science Research Unit,  
Universidade de Évora,  
PORTUGAL

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Radio Astronomy in the Postwar Netherlands***

**Astrid Elbers**

Leiden University,  
THE NETHERLANDS

**15:30 to 16:00** ***How an Anglo-American Methodology Took Root in France***

**Pierre Laszlo**

Ecole polytechnique, Palaiseau,  
FRANCE  
University of Liège,  
BELGIUM

**16:00 to 16:30** ***Spanish Geneticists at the Fringe of the Medicine of the Future: Scientific, Public and Political Discourses***

**Matiana González-Silva**

Centre d'Història de la Ciència,  
Universitat Autònoma de Barcelona,  
SPAIN



**16:30 to 17:00** *Bones Serving the Nation. The Hominid Fossils of Atapuerca and the New Beginning of Spanish History*

Oliver Hochadel

CEHIC,  
Universitat Autònoma de Barcelona,  
SPAIN



## **S31 Historical Geophysical and Astronomical Data (H-GAD)**

Coordinated by José Vaquero (Universidad de Extremadura, Spain)  
Josep Batlló (Universidade de Lisboa, Portugal)

Chaired by José Vaquero (Universidad de Extremadura, Spain)  
Josep Batlló (Universidade de Lisboa, Portugal)

### **Lecture room RACAB**

RACAB - Reial Acadèmia de Ciències i Arts de Barcelona

*Friday, 19 November*

**11:30 to 12:00** *Warming, Plagues and Revolutions. Social Impacts of the Warming Process – the Case of Serbia*

**Aleksandar Petrovic**

Serbian Society of History of Science,  
SERBIA

**12:00 to 12:30** *BACCHUS: Temperature Reconstruction with Vine-Related Records from Original Historical Sources*

E. Koch (1)

C. Hammerl (1)

C. Maurer (2)

T. Hammerl (1)

E. Pokorny (1)

(1) Zentralanstalt für Meteorologie und Geodynamik, Wien,

(2) Institute for Meteorology and Geophysics,

Univ. Vienna,

AUSTRIA

**12:30 to 13:00** *Historical Earthquakes in Tyrol/Austria – from Original Historical Sources to Earthquake Parameters*

**Christa Hammerl**

Zentralanstalt für Meteorologie und Geodynamik, Wien,

AUSTRIA

**13:00 to 13:30** *Managing of Historical Seismograms for Modern Analysis. Problems and Methodological Approach*

**Josep Batlló**

Universidade de Lisboa,

PORTUGAL

**13:30 to 15:00** *BREAK*

**15:00 to 15:30** *Aurorae Observed from Iberian Peninsula during 18th Century: Auroral Silverman Minimum Revisited*

**José M. Vaquero**

Universidad de Extremadura,

SPAIN



**15:30 to 16:00** *History of Science and Climate Reconstruction in Portugal*

**Maria João Alcoforado (1)**

**Maria Fátima Nunes (2)**

(1) Centre for Geographical Studies,  
University of Lisbon,

(2) History and Philosophy of Science Research Unit,  
University of Évora,  
PORTUGAL

**16:00 to 16:30** *Meteorological Instrumental Observations in Barcelona from Historical Documentary Sources. Data Collection and Statistical Treatment (1780-2010)*

**M. Barriendos (1)**

**M. Prohom (2)**

**J. Via (1)**

**M. Herrero (2)**

(1) Department of Modern History,  
University of Barcelona,

(2) SMC (Meteorological Service of Catalonia),  
SPAIN





## **S32 Nuclear Physics after WWII**

Coordinated by Alexei Kojevnikov (University of British Columbia, Canada)  
Olival Freire (UFB, Brazil)  
Christian Forstner (Friedrich-Schiller Universität, Jena, Germany)  
Leonardo Gariboldi (Università degli Studi di Milano, Italy)

Chaired by Leonardo Gariboldi (Università degli Studi di Milano, Italy)  
Christian Forstner (Friedrich-Schiller Universität, Jena, Germany)

### **'Puig i Cadafalch' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**16:00 to 16:30** ***From Peaceful Atoms to an Unfinished Power Station: Nuclear Physics and its Application in Postwar Austria***

**Christian Forstner**

Institute for HSTM,  
Friedrich-Schiller-University Jena,  
GERMANY

**16:30 to 17:00** ***The 'Atoms for Peace' Program Paves the Way: Turkey's First Experience with a Nuclear Research Reactor***

**Kaan Ata**

Department of History of Science,  
Faculty of Letters,  
Istanbul University,  
TURKEY

**17:00 to 17:30** ***Entry of Spain to CERN during Francoism: Valencia's Role***

**Agustín Ceba Herrero (1)**  
**Jorge Velasco González(2)**

(1) Ph D. Student,  
University of Valencia - IES Guillem Colom Casasnovas (Sóller)  
(2) Instituto de Física Corpuscular,  
Centro Mixto CSIC- Universitat de València,  
SPAIN

**17:30 to 18:00** ***COFFEE BREAK***

**18:00 to 18:30** ***Isotope Landscapes and Labscapes in Portugal (1952-1962)***

**Júlia Gaspar**

Universidade de Lisboa,  
PORTUGAL

**18:30 to 19:00** ***American Influence in the Beginning of Nuclear Physics in Mexico***

**María de la Paz Ramos Lara**

Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades,  
Universidad Nacional Autónoma de México,  
MÉXICO



**19:00 to 19:30**    ***Nuclear Emulsions, Cosmic Rays and the Brazilian Physics***

**Cassio Leite Vieira (1)**

**Antonio Augusto Passos Videira (2)**

(1) Instituto Ciência Hoje, Rio de Janeiro;

(2) State University of Rio de Janeiro and

National Council for the Development of Scientific and Technological Research,  
BRAZIL

**19:30 to 20:00**    ***Nuclear and Subnuclear Physics in Italy in the Second Half of 20th Century***

**Luca Malagoli**

Department of Physics, Palermo (I)

History of Physics Group, Association for the teaching of Physics,

ITALY



## **S33 Writing the History of the Physical Sciences after 1945**

Coordinated by Xavier Roqué (Universitat Autònoma de Barcelona, Spain)  
Néstor Herran (Université de Strasbourg, France)

Chaired by Sean F. Johnston (University of Glasgow, UK)  
John Krige (Georgia Institute of Technology, USA)  
Dominique Pestre (Ecole des Hautes Etudes en Sciences Sociales, France)

### **Lecture room 1.5**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **11:30 to 12:00**    *The Physical Sciences in the Global Cold War*

**John Krige**

Georgia Institute of Technology,  
USA

#### **12:00 to 12:30**    *Monitoring Radioactivity in Cold War Europe*

**Néstor Herran**

Institut de Recherches Interdisciplinaires sur les Sciences et la Technologie (IRIST),  
Université de Strasbourg,  
FRANCE

#### **12:30 to 13:00**    *“Good Vibrations”: Nuclear Surveillance during the Cold War*

**Simone Turchetti**

Centre for the History of Science,  
Technology and Medicine (CHSTM),  
University of Manchester,  
UNITED KINGDOM

#### **13:00 to 13:30**    *When France Put the Sun in the Cold War at Odeillo (1948–1991)*

**Pierre Teissier**

Centre François Viète,  
Université de Nantes  
FRANCE

#### **13:30 to 15:00**    *BREAK*

#### **15:00 to 15:30**    *Membership to CERN and the European Scope of Spanish Physics*

**Xavier Roqué**

Centre d'Història de la Ciència (CEHIC),  
Universitat Autònoma de Barcelona,  
SPAIN

#### **15:30 to 16:00**    *United States Nuclear Science Politics towards Latin America: A Mexican Case Study*

**Gisela Mateos**

Centro de Investigaciones Interdisciplinarias en Ciencias y Humanidades,  
Universidad Nacional Autónoma de México,  
MEXICO



**16:00 to 16:30**    ***Biography and Atomic Technoscientific Development in Postwar France***

**Matthew Adamson**

McDaniel College, Budapest,  
HUNGARY

**16:30 to 17:00**    ***Bruno Touschek and the Birth of Electron-Position Collisions after World War II***

**Giulia Pancheri (1)**

**Luisa Bonolis (2)**

(1) INFN (Istituto Nazionale di Fisica Nucleare),  
Frascati National Laboratories,

(2) AIF History of Physics Group,  
ITALY

**17:00 to 17:30**    ***Who Discovered Quarks?***

**Martin Coughlan**

University of Southampton,  
UNITED KINGDOM



## **S34 Crossing Borders in Modern Physics**

Coordinated by Massimiliano Badino (Max Planck Institute for the History of Science, Germany)

Chaired by Massimiliano Badino (Max Planck Institute for the History of Science, Germany)

### **'Turró' lecture room**

RAM - Reial Acadèmia de Medicina

*Thursday, 18 November*

**18:30 to 19:00** ***Optics at the Crossroads: the Case of Optical Dispersion at the Turn of 20th Century***

**Marta Jordi Taltavull**

Max Planck Institute for History of Science,  
GERMANY  
University of Barcelona,  
SPAIN

**19:00 to 19:30** ***Across the Disciplinary Divide: Otto Sackur from Physical Chemistry to Quantum Physics and Back***

**Massimiliano Badino**

Max-Planck-Institut für Wissenschaftsgeschichte,  
GERMANY

**19:30 to 20:00** ***"None of them know what it is worth doing". Quantum Theory in Cambridge***

**Jaume Navarro**

Max Planck Institute for the History of Science,  
GERMANY

*Friday, 19 November*

**11:30 to 12:00** ***From Identity to Indistinguishability***

**Enric Pérez Canals**

Universitat de Barcelona,  
SPAIN

**12:00 to 12:30** ***Gas-Radiation Analogies and the Mutation of Migrant Ideas***

**Daniela Monaldi**

York University, Toronto,  
CANADA

**12:30 to 13:00** ***Transfer and Transformation of Physical Knowledge: A Crucial Case in the History of Superconductivity***

**Gianmarco Ieluzzi**

**Luigi Cerruti**

Department of General Chemistry and Organic Chemistry,  
University of Turin,  
ITALY



## **S35 Transfer and Transformation of Knowledge in the Modern Physical Sciences and Technologies**

Coordinated by Shaul Katzir (Max Planck Institute for the History of Science, Germany)  
Christian Joas (Max Planck Institute for the History of Science, Germany)

Chaired by Christian Joas (Max Planck Institute for the History of Science, Germany)  
Shaul Katzir (Max Planck Institute for the History of Science, Germany)

### **'Turró' lecture room**

RAM - Reial Acadèmia de Medicina

*Thursday, 18 November*

**12:00 to 12:30**    ***From the Phenomena to Useful Instruments and from Them to Other Phenomena***

**Shaul Katzir**

Max Planck Institute for the History of Science,  
GERMANY

**12:30 to 13:00**    ***Understanding Quantum Systems and Getting Numbers Out***

**Edward Jurkowitz**

Fritz-Haber-Institut der Max-Planck-Gesellschaft/ Max Planck Institute for History of Science,  
GERMANY

**13:00 to 13:30**    ***Adding a few Drops of Science in the Cooking Pot***

**Jean Matricon**

Université Paris 7 Denis Diderot,  
FRANCE

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Interacting Fields—The Transfer of Knowledge Between High-Energy and Condensed-Matter Physics***

**Christian Joas**

Theory Department,  
Fritz Haber Institute of the Max Planck Society, and  
Max Planck Institute for the History of Science,  
GERMANY

**15:30 to 16:00**    ***NMR in Biochemistry. Many Failures Add up to Success?***

**Carsten Reinhardt**

Institute for Science and Technology Studies,  
University of Bielefeld,  
GERMANY

**16:00 to 16:30**    ***Transfer of Knowledge from Chemistry to Superconductivity: A First Century of Failures and Successes***

**Georges Waysand**

Observatoire de la Côte d'Azur,  
UMR Galilée, Laboratoire Souterrain Bas Bruit de Rustrel Pays d'Apt,  
Université de Nice Sophia Antipolis,  
FRANCE



**16:30 to 17:00** *Particle Physics as a Field Science: the Emergence of Astroparticle Physics*

**Bernard Revaz**

Département de Physique Nucléaire et Corpusculaire,  
Université de Genève,  
SWITZERLAND

**S36 Internationalism of Physics during the 1920s and 1930s: Formation of a European Research Net and its Impact in the Development and Dissemination of the European Scientific Culture**

Coordinated by Luisa Bonolis (Università degli Studi di Genova, Italy)  
Matteo Leone (Università degli Studi di Genova, Italy)  
Nadia Robotti (Università degli Studi di Genova, Italy)

Chaired by Martha Cecilia Bustamante (Université Paris 7, France)  
Francesco Guerra (University of Rome, Italy)

**'Prat de la Riba' lecture room**  
IEC - Institut d'Estudis Catalans

*Saturday, 20 November*

**12:00 to 12:30** *Fellowships Programs in the 1930s Italian Physics: a Survey*

Matteo Leone (1)  
Francesco Guerra (2)  
(1) Department of Physics,  
University of Genova,  
(2) Department of Physics,  
University of Rome,  
ITALY

**12:30 to 13:00** *Unraveling the Nature of Cosmic Rays. Bruno Rossi and the Spread and Developments of Experimental Practices and Scientific Collaborations in Cosmic-ray Physics before World War II*

Luisa Bonolis  
AIF History of Physics Group,  
ITALY

**13:00 to 13:30** *"If a lot of radium would be sufficient to make important discoveries, ..." - Vienna as a Node in the Network of European Atomic Research Centres*

Silke Fengler  
Institut fuer Zeitgeschichte,  
University of Vienna,  
AUSTRIA

**13:30 to 15:00** *BREAK*

**15:00 to 15:30** *Physicist' Role in the «Rebirth of a Scientific Movement» and also in the Dissemination of Scientific Culture in Portugal during the Inter-War Period*

Augusto J. S. Fitas (1,2)  
Emília Vaz Gomes (1)  
Fátima Nunes (1,2)  
J. P. Príncipe (1,2)  
(1) CEHFCi – Centro de Estudos de História e Filosofia da Ciência,  
(2) Universidade de Évora,  
PORTUGAL





**15:30 to 16:00** *Alexandre Proca or the Internationalism of Physics during the Twenties and Thirties*

**Martha Cecilia Bustamante**

Equipe REHSEIS-SPHERE,  
Université Paris 7,  
FRANCE



## **S37 Beyond the Molecular Vision: Unromantic Perspectives on the History of Biophysics**

Coordinated by Pedro Ruiz-Castell (Universitat de València, Spain)

Chaired by Mathias Grote (University of Exeter, UK)

**'Pi i Sunyer' lecture room**

IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

**12:00 to 12:30**    ***Ersatz-Objects: Knowing Cellular Surfaces, 1920-1940***

**Max Stadler**

Max-Planck-Institute for the History of Science, Berlin,  
GERMANY

**12:30 to 13:00**    ***Seeing the Invisible: the Introduction of Electron Microscopy in Great Britain***

**Pedro Ruiz-Castell**

Departament d'Història de la Ciència i Documentació,  
Universitat de València  
SPAIN

**13:00 to 13:30**    ***Surfaces of Action: Cells and Membranes in Electrochemistry and the Life Sciences***

**Mathias Grote**

ESRC Centre for Genomics in Society (Egenis),  
University of Exeter,  
UNITED KINGDOM

Max Planck Institute for the History of Science, Berlin



## **S38 Circulations in the Neurosciences**

Coordinated by Jean-Gaël Barbara (Université Pierre & Marie Curie, Paris, France)

Chaired by Jean-Gaël Barbara (Université Pierre & Marie Curie, Paris, France)

### **Lecture room BC**

BC - Biblioteca de Catalunya

*Friday, 19 November*

**16:30 to 17:00**    ***Mutation Carriers: US Laboratories Led by Spaniards in the Early 80s***

**Enrique Wulff Barreiro (1)**

**Emilia Currás (2)**

(1) Consejo Superior de Investigaciones Científicas,

(2) Universidad Autónoma de Madrid,

SPAIN

**17:00 to 17:30**    ***Circulations of Invertebrate Animal Models in Neuroscience at Play in Interdisciplinary Research***

**François Clarac**

CNRS, P3M,

FRANCE

**17:30 to 18:00**    ***COFFEE BREAK***

**18:00 to 18:30**    ***Commitments and Scientific Ideas of J.-M. Lahy on Psychotechnics and USSR***

**Isabelle Gouarné**

Cultures et sociétés urbaines (CSU, Paris 8 – CNRS) and

Centre nantais de sociologie (CENS, Université de Nantes),

FRANCE

**18:30 to 19:00**    ***The Rockefeller Fellows and the Transnational Circulations of Neurosciences (1930-1960)***

**Ludovic Tournès**

Professor of history, University of Paris-Ouest Nanterre La défense,

FRANCE

**19:00 to 19:30**    ***Circulations in the Revival of French Neuroscience after Second World War. Part 1 - First Generation Scientists***

**Jean-Gaël Barbara**

CNRS, Université Pierre et Marie Curie and

Université Diderot, Paris,

FRANCE

**19:30 to 20:00**    ***Circulations in the Revival of French Neuroscience after Second World War. Part 2 - Second Generation Scientists***

**Claude Debru**

Professor of Philosophy of Science,

École normale supérieure, Paris,

FRANCE



## **S39 Representations of Science and Technology in the European Daily Press**

Coordinated by Ana Simões (University of Lisbon, Portugal)  
Faidra Papanelopoulou (University of Athens, Greece)

Chaired by Ana Simões (University of Lisbon, Portugal)  
Faidra Papanelopoulou (University of Athens, Greece)

### **'Pere Corominas' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

- 16:30 to 17:00**    ***Science is Feuilleton and Technology is Business? On Orders, Genres and Topics in German Quality Newspapers, 1895-1943***  
Arne Schirmacher  
Max Planck Institute for the History of Science, Berlin,  
GERMANY
- 17:00 to 17:30**    ***Test-tubes, Computers and Black-Holes. 30 Years of Science and Technology in Newspapers***  
Rui Brito Fonseca  
CIES/ ISCTE - IUL,  
Lisbon University,  
PORTUGAL
- 17:30 to 18:00**    **COFFEE BREAK**
- 18:00 to 18:30**    ***Epidemics in the News: Health and Hygiene as Seen by the Press in Periods of Crisis***  
Maria Antónia Pires de Almeida  
CIUHCT – Centre for the History and Philosophy of Science and Technology,  
Faculty of Science and Technology,  
New Lisbon University,  
PORTUGAL
- 18:30 to 19:00**    ***(Re)Presenting Science: Archaeology and Portuguese Daily Press(ing)***  
Ana Cristina Martins  
IICT - Tropical Research Institute, Lisbon,  
PORTUGAL



**19:00 to 19:30** ***Comparing the Public Perceptions of Science and Technology in the Greek and the Portuguese Daily Press, 1908-1910***

Ana Carneiro (1)

Maria Paula Diogo (1)

Ana Simões (1)

Isabel Zilhao (1)

Eirini Mergoupi-Savaidou (2)

Faidra Papanelopoulou (2)

Spyros Tzokas (2)

(1) Centro Interuniversitário de História das Ciências e da Tecnologia –CIUHCT,  
University of Lisbon- New University of Lisbon,  
PORTUGAL

(2) Department of Philosophy and History of Science,  
University of Athens,  
GREECE



## **S40 Cold War Science and Technology in the Arctic**

Coordinated by Matthias Heymann (Aarhus University, Denmark)

Chaired by Matthias Heymann (Aarhus University, Denmark)

### **'Puig i Cadafalch' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

**11:30 to 12:00** ***Secretive Geologies. Rivalry and Cooperation in the Geological Investigation of Greenland, 1946-1958***

**Christopher Jacob Ries**

Dept. of Science Studies,  
Aarhus University,  
DENMARK

**12:00 to 12:30** ***Confidentiality vs. Publicity: Emerging Tensions in Military-Science Collaborations during the Cold War***

**Kristian Hvidtfelt Nielsen**

Dept. of Science Studies,  
Aarhus University,  
DENMARK

**12:30 to 13:00** ***Eternal Ice in the Cold War. EGIG I and German Polar Traditions***

**Christian Kehrt**

Deutsches Museum, Munich,  
Rachel Carson Center für Umwelt und Geschichte, Munich,  
GERMANY

**13:00 to 13:30** ***The Cold War Roots of Ice Core Drilling***

**Aant Elzinga**

Department of Philosophy, Linguistics and Theory of Science,  
University of Gothenburg,  
SWEDEN

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Militarizing the Arctic in Cold War North America. The Contrasting Cases of Canada and the United States***

**Ronald E. Doel**

**Kristine C. Harper**

Department of History,  
Florida State University,  
USA

**15:30 to 16:00** ***Polar Research and the Endings of the Cold War***

**Stian Bones**

Senior Research Fellow,  
Department of History and Religious Studies,  
University of Tromsø,  
NORWAY



## **S41 Technological Innovations, Humanitarian Networking, and Politics in the Red Cross International Movement: the Case of the Spanish Red Cross, 1864-1950s**

Coordinated by Jon Arrizabalaga (Institució Milà i Fontanals, CSIC, Barcelona, Spain)

Chaired by Jon Arrizabalaga (Institució Milà i Fontanals, CSIC, Barcelona, Spain)

### **Lecture room 1.1**

UB2 - 'Josep Carner' Building

*Saturday, 20 November*

**11:30 to 12:00**    ***Scientific Communication and Technological Innovation in the Early Spanish Red Cross, 1863-1876***

**Juan Carlos García Reyes**

**Jon Arrizabalaga**

Institució Milà i Fontanals,  
CSIC, Barcelona,  
SPAIN

**12:00 to 12:30**    ***The Spanish Red Cross, the Repatriation of Soldiers from the Cuban, Philippine and African Wars, and the Development of Medical Science in Spain***

**María-Isabel Porras-Gallo**

Medical School,  
University of Castile-La Mancha,  
SPAIN

**12:30 to 13:00**    ***No Place for Humanitarianism: the Failed Intervention of the International Committee of the Red Cross (ICRC) in the Rif War, 1921-1926***

**Francisco Javier Martínez Antonio**

CCHS, CSIC, Madrid,  
SPAIN



## **S42 Atomic Energy in the Public Sphere**

Coordinated by Alfredo Menéndez-Navarro (University of Granada, Spain)

Chaired by Alfredo Menéndez-Navarro (University of Granada, Spain)

### **Lecture room 0.1**

UB2 - 'Josep Carner' Building

*Saturday, 20 November*

**11:30 to 12:00**    ***Atoms for a Spanish Peace: Education trough Propaganda***

**Javier Ordóñez**

Max Planck Institut for the History of SciencE,  
GERMANY

**12:00 to 12:30**    ***The Development of a Public Idea of the Atomic Energy in the Francoism (1945-64 Period): the Role of the Official Newsreel NO-DO.***

**Felipe E. Ramírez Martínez**

Universidad Autonoma de Madrid,  
SPAIN

**12:30 to 13:00**    ***Legitimating Nuclear Energy in Spain: the Role of Spanish Atomic Forum (1962-1979)***

**Luis Sánchez Vázquez**

Instituto de la Paz y los Conflictos,  
Universidad de Granada,  
SPAIN

**13:00 to 13:30**    ***Public Opinion Strikes back: the Italian Referendum on Nuclear Energy***

**Matteo Gerlini**

**Angelo Baracca**

University of Florence,  
ITALY





## **SS01 Gender Standards in Drugs History: Crossing Boundaries**

Coordinated by Toine Pieters (VU-Medical Centre / University of Amsterdam, Netherlands)  
María J. Santesmases (Instituto de Filosofía - CSIC, Spain)

Chaired by María J. Santesmases (Instituto de Filosofía - CSIC, Spain)

### **Lecture room 0.1**

UB2 - 'Josep Carner' Building

*Saturday, 20 November*

#### **15:00 to 15:30** *Hormonal Contraception, Gender and Society in the Spanish Seventies*

**Teresa Ortiz  
Agata Ignaciuk  
Eugenia Gil García**

Universidad de Granada,  
SPAIN

#### **15:30 to 16:00** *The Gendering of Immunocontraceptives*

**Jessika van Kammen**

Academic Medical Center (AMC) Amsterdam,  
THE NETHERLANDS

#### **16:00 to 16:30** *Gendered Moods in Women's Magazines and Drug Advertising in the Netherlands, 1950-1990*

**Toine Pieters  
Stephen Snelder  
Frans J. Meijman**

VU-Medical Centre & University of Amsterdam,  
THE NETHERLANDS

#### **16:30 to 17:00** *(Un-)Safe Dose Levels. Scientific-Feminist Coalitions and Contradictions in Germany in the 1950s and 60s*

**Heiko Stoff**

Department for the History of Science and Pharmacy,  
Technical University of Braunschweig (Brunswick),  
GERMANY

#### **17:00 to 17:30** *Gender Sensitivity regarding Drug Development, Administration and Surveillance – What can We Learn from the Dialogue between History of Pharmacy and Recent Pharmacoepidemiology?*

**Ljiljana Verner (1)  
Bettina Wahrig (2)**

(1) Medizinische Hochschule Hannover,  
(2) Technische Universität Braunschweig,  
GERMANY



## **SS02 International Association for Science and Cultural Diversity (IASCUD)**

Coordinated by Karine Chemla (REHSEIS-SPHERE, CNRS, France)

Chaired by Mike Osborne (Oregon State University, USA)

### **Lecture room RACAB**

RACAB - Reial Acadèmia de Ciències i Arts de Barcelona

*Thursday, 18 November*

**12:00 to 12:30**    ***Mathematical Cultures in 13th Century China —A view from Diagrams***

**Karine Chemla**

CNRS (UMR 7219, REHSEIS—SPHERE),  
FRANCE

**12:30 to 13:00**    ***Circulation of Knowledge as Reflected in the Indian Travel Accounts to Europe in the Late 18th and 19th Centuries***

**S. Irfan Habib**

National University of Educational Planning and Administration (NUEPA), New Delhi,  
INDIA

**13:00 to 13:30**    ***Intercultural Encounter and the Construction of Modern Science: India and Europe, 16th-20th Centuries***

**Kapil Raj**

Centre Alexandre Koyré,  
Ecole des Hautes Etudes en Sciences Sociales, Paris,  
FRANCE

**13:30 to 15:00**    ***BREAK***

**15:00 to 15:30**    ***Qi-Transformation and the Steam Engine: Visualizing the Body in Chinese Medicine in the Nineteenth Century***

**Sean Hsiang-lin Lei**

Institute of Modern History,  
Academia Sinica,  
TAIWAN

**15:30 to 16:00**    ***Cultural Hybrids and Transmission of Knowledge: The Case of the Philosophy of Quantum Mechanics in Japan, 1925-1940***

**Kenji Ito**

The Graduate University for Advanced Studies,  
JAPAN

**16:00 to 16:30**    ***Gender Diversity in Science***

**Abha Sur**

Massachusetts Institute of Technology,  
USA



## **SS03 Scientific Correspondence**

Coordinated by Federica Favino (University of Rome La Sapienza, Italy)

Chaired by Federica Favino (University of Rome La Sapienza, Italy)

### **Lecture room 0.2**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **19:00 to 19:30 Scientific Correspondences on the Web: Challenges and Opportunities**

**Christine Blondel**

Centre Alexandre-Koyré,  
CNRS, Paris,  
FRANCE

#### **19:30 to 20:00 Circulation of Knowledge in the 17th Century Dutch Republic. Analysing Correspondence in a Webbased Collaboratory**

**Henk Wals**

Huygens Institute,  
Royal Netherlands Academy of Arts and Sciences,  
THE NETHERLANDS

*Saturday, 20 November*

#### **11:30 to 12:00 Circulation of Science through Letters; Circulation of Letters through Web-Technologies. The "Eastways of Science" Project**

**Federica Favino**

University of Rome La Sapienza,  
ITALY

#### **12:00 to 12:30 Men of Science, Men of Letters. Scientific Correspondences of the "Accademia delle Scienze" among the "Archivi del Novecento"**

**Nicoletta Valente**

Accademia Nazionale dei XL, Rome,  
ITALY

#### **12:30 to 13:00 Epistolary Writing and the Discipline of Discourse in Early Modern Medicine**

**Massimo Rinaldi**

Dipartimento di Storia,  
Università di Padova,  
ITALY

#### **13:00 to 13:30 Negotiating Medical Authority in Early Modern Physicians' Epistolary Networks**

**Michael Stolberg**

Institut für Geschichte der Medizin,  
Universität Würzburg,  
GERMANY

#### **13:30 to 15:00 BREAK**



- 15:00 to 15:30** *Verba Volant, Scripta Manent: the Importance of Correspondence in Early Modern Medical Diagnosis*  
Annarita Franza  
University of Pisa,  
ITALY
- 15:30 to 16:00** *Antonio Vallisneri's Network and the Structure of Naturalistic Knowledge in Early 18th-Century Europe*  
Ivano Dal Prete  
Yale University,  
USA
- 16:00 to 16:30** *The Zoological Collections of the Museu de Lisboa and the Networks of Scientific Correspondence and Exchange (1858-1898)*  
Catarina Madruga  
Zoology and Anthropology,  
Museu Nacional de História Natural da Universidade de Lisboa,  
PORTUGAL
- 16:30 to 17:00** *Scientific Correspondence in the Belle Epoque: Henri Poincaré and Friends*  
Scott Walter  
University of Nancy 2, and  
Henri Poincaré Archives (CNRS, UMR 7117),  
FRANCE
- 17:00 to 17:30** *The Epistolar Correspondences between Brioschi and Cremona and Betti and Genocchi*  
Nicla Palladino  
University of Salerno,  
ITALY



## **SS04 Science, Astronomy and Instruments from the Middle Ages to the 17th Century**

Coordinated by the Conference program committee

Chaired by Carles Puig-Pla (Universitat Politècnica de Catalunya, Spain)  
Roser Puig (Universitat de Barcelona, Spain)

### **Lecture room 1.3**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **11:30 to 12:00 *Buildings as Instruments in the Mediterranean Context***

**Mònica Rius (1)**

**Roser Puig (1)**

**Maria Rosa Massa (2)**

(1) Universitat de Barcelona,

(2) Universitat Politècnica de Catalunya,  
SPAIN

#### **12:00 to 12:30 *The Description and Use of the Astrolabe in Medieval Hebrew***

**Josefina Rodriguez Arribas**

The Frankel Institute for Advanced Judaic Studies,  
University of Michigan,  
USA

#### **12:30 to 13:00 *The Reception in the Western Area of a Same Method for Two Medieval Astrological Practices***

**Montse Díaz-Fajardo**

Universidad de Barcelona,  
SPAIN

#### **13:00 to 13:30 *The Artisans of 'Plus Ultra': Pilots, Cartographers, and Cosmographers in the House of Trade in Seville during Sixteenth Century***

**Antonio Sánchez Martínez**

Centro de Ciencias Humanas y Sociales, Madrid,  
Consejo Superior de Investigaciones Científicas,  
SPAIN

#### **13:30 to 15:00 *BREAK***

#### **15:00 to 15:30 *From Denmark to Italy: Franciscus Patricius' Reception and Criticism of Tycho Brahe's Geo-heliocentric Planetary System – and the Repercussions***

**Matjaz Vesel**

Institute of Philosophy,  
Scientific Research Centre of the Slovenian Academy of Sciences and Arts,  
SLOVENIA



**15:30 to 16:00** *The Battle of the Astronomers. Johann Adam Schall von Bell and Ferdinand Verbiest at the Court of the Celestial Emperors*

**Stefano Salvia**

University of Pisa,  
ITALY

**16:00 to 16:30** *The Theory of Space and the Rejection of the Vacuum in Descartes' Early Work*

**Giurgea Madalina**

University of Bucharest  
ROMANIA



## **SS05 Natural History and Medicine from the 16th to the 19th Century**

Coordinated by the Conference program committee

Chaired by Alfons Zarzoso (Museu d'Història de la Medicina de Catalunya / CEHIC, UAB, Spain)

Àlvar Martínez-Vidal (Universitat de València, Spain)

Josep Maria Camarasa (SCHCT, Barcelona, Spain)

### **Auditorium**

RI - Residència d'Investigadors

*Friday, 19 November*

- 11:30 to 12:00**    ***Medical Humanism in Late Renaissance Italy: Girolamo Mercuriale's Suggestion of the Rise of "New Diseases"***
- Maria Kavvadia**  
Dept. of History and Civilization (HEC),  
European University Institute (EUI), Florence,  
ITALY
- 12:00 to 12:30**    ***Amato Lusitano and his Pilgrimages through Europe. His Contribution for the Development of European Medicine in the Sixteenth Century***
- Isilda Teixeira Rodrigues**  
Centro de Estudos de História e Filosofia da Ciência,  
Universidade de Trás-os-Montes e Alto Douro-UTAD, Vila Real,  
PORTUGAL
- 12:30 to 13:00**    ***Giovanni Borelli (1608-79) on Animal Movement***
- Jarmo Pulkkinen**  
University of Oulu,  
FINLAND
- 13:00 to 13:30**    ***Wandering Exotica. The Illustrations in Nieremberg's Historia Naturae (1635)***
- José Ramón Marcaida López**  
Instituto de Historia,  
Centro de Ciencias Humanas y Sociales,  
Consejo Superior de Investigaciones Científicas,  
SPAIN
- 13:30 to 15:00**    ***BREAK***
- 15:00 to 15:30**    ***Doing Science in the Mission Field. The Doctor of the Danish-Halle Mission in Tranquebar, South India, ca. 1730-1766***
- Niklas Thode Jensen**  
European University Institute, Florence,  
ITALY
- 15:30 to 16:00**    ***Commemorating the 250th Anniversary of the Royal College of Surgery of Barcelona***
- Núria Pérez-Pérez**  
Centre d'Estudis d'Història de la Ciència (CEHIC) UAB and  
Observatori de la Comunicació Científica (OCC) UPF,  
SPAIN



- 16:00 to 16:30** *The Young Scientific Audience in Late Enlightenment Spain: the Children's Magazine (1798-1800)*  
Elena Serrano  
CEHIC (Centre d'Història de la Ciència),  
Universitat Autònoma de Barcelona,  
SPAIN
- 16:30 to 17:00** *Circulation as Translation of Books: the Case Ardinghelli in the 18th Century Naples*  
Corinna Guerra  
Seminario di storia della scienza,  
University of Bari,  
ITALY
- 17:00 to 17:30** *Correcting Lazzaro Spallanzani. The Antoni Martí Franquès Contribution to the Knowledge of Sexual Reproduction of Plants (18th Century)*  
Pasqual Bernat  
Centre d'Estudis d'Història de la Ciència,  
Universitat Autònoma de Barcelona,  
SPAIN
- 17:30 to 18:00** **COFFEE BREAK**
- 18:00 to 18:30** *Orchid Hybrids and the Rediscovery of Gregor Mendel's Genetics*  
Romualdas Sviedrys  
Polytechnic Institute of New York University,  
USA
- 18:30 to 19:00** *'Turning poor devils inside out': Manners in Dispute in Mid-Victorian Natural History*  
Raf De Bont  
Research Unit of Cultural History,  
KULeuven,  
BELGIUM  
Department for the History and Philosophy of Science,  
Cambridge University,  
UNITED KINGDOM
- 19:00 to 19:30** *Social Evolutionism: from a Naturalism to Another*  
Emmanuel D'Hombres  
Laboratoire SPHERE UMR 7219,  
Université Catholique de Lyon,  
FRANCE





## **SS06 Science and Technology in the 18th and 19th Centuries**

Coordinated by the Conference program committee

Chaired by Jesús Sánchez Miñana (Universidad Politécnica de Madrid, Spain)

Jaume Valentines Álvarez (Universitat Politècnica de Catalunya, Spain)

### **Lecture room 0.2**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

#### **11:30 to 12:00** *Newton's Quest for a Mathematical-Demonstrative Optics*

**Steffen Ducheyne**

Centre for Logic and Philosophy of Science,  
Ghent University (UGent),  
BELGIUM

#### **12:00 to 12:30** *The Correlation Between Scientific Knowledges and Technological Innovations at the Beginning of the Industrial Revolution (1713-1800)*

**Fabio Zanin**

Liceo "Brocchi"-Bassano del Grappa (VI),  
ITALY

#### **12:30 to 13:00** *The Role of Cavalier Tours in Circulation of Technologies and Technical Methods*

**Milada Sekyrková**

Charles University in Prague  
CZECH REP.

#### **13:00 to 13:30** *The Stethoscope – Presentation of a Medical Innovation and its Impact on its Circulation*

**Maria Winter**

Institute of the History, Philosophy and Ethics of Medicine,  
Ulm University,  
GERMANY

#### **13:30 to 15:00** *BREAK*

#### **15:00 to 15:30** *The Role of Photochemical Processes on the Development of Colour Printing in the XIX Century Cartography*

**Maria Estela Jardim (1)**

**Isabel Marília Peres (2)**

**Fernanda Madalena Costa (2)**

(1) Faculty of Sciences,  
(2) CCMM, Centro de Ciências Moleculares e Materiais,  
University of Lisbon,  
PORTUGAL

#### **15:30 to 16:00** *Designing Engineers: Engineering Literature and the Discourse of Design*

**Courtney Salvey**

University of Kent at Canterbury,  
UNITED KINGDOM



**16:00 to 16:30** *Historical Photographic Developers and their Chemistry: the Lumière's Contribution*

Sara Carvalho (1)  
Maria Estela Jardim (2)  
Fernanda Madalena Costa (1)

(1) CCMM, Centro de Ciências Moleculares e Materiais,  
(2) Faculty of Sciences,  
University of Lisbon,  
PORTUGAL

**16:30 to 17:00** *Moscow Society of Friends of Natural Sciences and Dissemination of Scientific and Technological Knowledge In The 19th Century Russia*

Galina G. Krivosheina

S.I. Vavilov Institute for the History of Science and Technology, Russian Academy of Sciences, Moscow  
RUSSIA

**17:00 to 17:30** *The Diffusion of New Painting Materials in the 19th Century Portuguese Technical Courses: The Case of the Oporto Industrial School*

Sónia Barros dos Santos

CITAR - Research Center for Science and Technology in Art - School of the Arts,  
Portuguese Catholic University,  
PORTUGAL

**17:30 to 18:00** *COFFEE BREAK*

**18:00 to 18:30** *The Circulation of the Knowledge about Synthetic Colorings in the Company La España Industrial*

Assumpta Dangla  
Mònica Dòria

Museu de l'Estampació de Premià de Mar  
SPAIN



## **SS07 Institutions from the 18th to the 20th Centuries**

Coordinated by the Conference program committee

Chaired by Antoni Roca-Rosell (Universitat Politècnica de Catalunya, Spain)

### **Lecture room 0.3**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

**11:30 to 12:00** ***Efflorescence of the Natural Sciences and Medicine at the University of Vilnius at the End of the 18th and the Beginning of the 19th Centuries***

**Ramunas Kondratas**

Vilnius University,  
LITHUANIA

**12:00 to 12:30** ***Intellectual and Political Activity of Baltic Universities in the Beginning of the 19th Century***

**Juozas Algimantas Krikstopaitis**

Lithuanian Research Institute of Culture,  
LITHUANIA

Vice-President of Baltic Association of the History and Philosophy of Science

**12:30 to 13:00** ***Academic Congresses and the Making of Academic Communities in the Russian Empire, the 1860s-1910s***

**Marina Loskutova**

St. Petersburg Branch of the Institute for the history of science and technology,  
the Russian Academy of Sciences,  
RUSSIAN

**13:00 to 13:30** ***Physics at the University of Coimbra in the European Context in the Turning of the 19th to the 20th Century***

**Susana Boloto**

**Décio R. Martins**

Universidade de Coimbra,  
PORTUGAL

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***A Stroboscopic Picture of European Science Attractive Institutions in the Thirties and Forties – Following Portuguese Grant Holders***

**Emília Vaz Gomes**

**Augusto J.S. Fitas**

**Fátima Nunes**

CEHFCi (Centro de Estudos de História e Filosofia da Ciência),  
Universidade de Évora,  
PORTUGAL



## **SS08 Physics in the 20th Century**

Coordinated by the Conference program committee

Chaired by Albert Presas i Puig (Max Planck Institute for the History of Science, Germany)  
Emma Sallent del Colombo (Universitat de Barcelona, Spain)

**'Pi i Sunyer' lecture room**  
IEC - Institut d'Estudis Catalans

*Thursday, 18 November*

- 15:00 to 15:30**    ***The Principle of Popularization of Energy***
- Nemrod Carrasco Nicola (1)**  
**Enric Pérez Canals (2)**
- (1) Seminari de Filosofia Política,  
Universitat de Barcelona,  
(2) Departament de Física Fonamental,  
Universitat de Barcelona,  
SPAIN
- 15:30 to 16:00**    ***New Non-Classical***
- Peeter Mürsepp**  
Tallinn University of Technology,  
ESTONIA
- 16:00 to 16:30**    ***Circulation of Ideas and Forming of Slovak Physics***
- Juraj Šebesta**  
Department of Theoretical Physics and Physics Education,  
Comenius University, Bratislava,  
SLOVAKIA
- 16:30 to 17:00**    ***Cold Wave. Heike Kamerlingh Onnes's Laboratory as an International Centre for Low Temperature Research***
- Dirk van Delft**  
Museum Boerhaave /  
Leiden University,  
THE NETHERLANDS
- 17:00 to 17:30**    ***The Inventions of Jose Ruiz-Castizo: the Planimeter***
- Claudia Teresa Vela Urrego**  
**M<sup>a</sup> Ángeles Martínez García**  
Universidad de La Rioja,  
SPAIN
- 17:30 to 18:00**    ***COFFEE BREAK***
- 18:00 to 18:30**    ***Unsuccessful Transmission of Knowledge. An Example of the Astronomical Society of India***
- Rajinder Singh**  
Physics Education, History and Philosophy of Science - Research Group,  
Faculty V, Institute of Physics,  
University of Oldenburg,  
GERMANY



**18:30 to 19:00**    ***Dayton C. Miller's Ether-Drift Experiments***

**Roberto Lalli**

Dipartimento di Fisica,  
Università degli Studi di Milano,  
ITALY

**19:00 to 19:30**    ***The Approaches to the Lorentz Transformation Derivation Typological Structures Creation***

**Shcherbak O.  
Savcuk W.**

ESHS

**19:30 to 20:00**    ***Understanding Computer Simulation: the Case of the Atmospheric Sciences***

**Matthias Heymann**

Department of Science Studies,  
Aarhus University,  
DENMARK



## **SS09 Science and Technology in the 20th Century**

Coordinated by the Conference program committee

Chaired by Pedro Ruiz-Castell (Universitat de València, Spain)  
Emma Sallent del Colombo (Universitat de Barcelona, Spain)  
Luis Navarro Veguillas (Universitat de Barcelona, Spain)

### **Lecture room 0.1**

UB2 - 'Josep Carner' Building

*Friday, 19 November*

**11:30 to 12:00** ***Pasquale del Pezzo (Berlin 1859 - Naples 1936): "from the Local to the Global"***

**Emma Sallent Del Colombo**

Universitat de Barcelona,  
SPAIN

**12:00 to 12:30** ***A "Science of Exportation"? The Role of Foreign Scholars in the Professionalisation of Spanish Prehistory (1900-1936)***

**José María Lanzarote Guiral**

Department of History,  
European University Institute, Florence,  
ITALY

**12:30 to 13:00** ***The Influences of Aristocracy upon the Development of Motoring in Austro-Hungarian Monarchy***

**Miloš Horejš**

National Technical Museum in Prague,  
CZECH REP.

**13:00 to 13:30** ***Ways of doing Chemical Production at CUF, "Companhia União Fabril" (1909-1972)***

**Isabel Cruz**

CICTSUL (Interdisciplinary Center of Science, Technology and Society),  
Lisbon University,  
PORTUGAL

**13:30 to 15:00** ***BREAK***

**15:00 to 15:30** ***Russia and Mongolia: Transfer of Scientific Knowledge in Political Context (1920s)***

**Tatiana Yusupova**

St. Petersburg Branch,  
Institute for the History of Science and Technology,  
Russian Academy of Sciences,  
RUSSIA

**15:30 to 16:00** ***German Science in Portugal 1933-45***

**Fernando Clara**

Faculdade de Ciências Sociais e Humanas,  
Universidade Nova de Lisboa,  
PORTUGAL



- 16:00 to 16:30**    ***Thematic Maps and their Circulation during National Socialist Era***  
**Petra Svatek**  
Department of History,  
University of Vienna,  
AUSTRIA
- 16:30 to 17:00**    ***Human and Political Factors in Establishing Process of the Russian and Chinese Scientific Schools in the Field of Radio Electronics***  
**Vassili M. Chesnov**  
Russian Academy of Sciences,  
RUSSIA
- 17:00 to 17:30**    ***Personal Bibliographical Index – a Source for the History of Science?***  
**Birute Railiene**  
The Vrublevskiai Library of the Lithuanian Academy of Sciences,  
LITHUANIA
- 17:30 to 18:00**    ***COFFEE BREAK***
- 18:00 to 18:30**    ***The Circulation of Science as News: Newsreels and Regional Television in 1950s and 1960s Britain***  
**Sally M. Horrocks**  
School of Historical Studies,  
University of Leicester,  
UNITED KINGDOM
- 18:30 to 19:00**    ***Standardizing Car Sound – Integrating Europe? The Circulation and Appropriation of Knowledge on Car Acoustics***  
**Stefan Krebs**  
Department of Technology, Innovation & Society,  
Faculty of Industrial Engineering & Innovation Sciences,  
Technical University Eindhoven,  
THE NETHERLANDS
- 19:00 to 19:30**    ***A ‘Language of Mathematics’: Neutrality as a Facilitator of Circulation during Cold War***  
**Helena Durnova**  
Brno University of Technology,  
CZECH REP.
- 19:30 to 20:00**    ***Aircraft Narratives and Development in Indonesia, 1976-1998***  
**Sulfikar Amir**  
Division of Sociology,  
Nanyang Technological University,  
SINGAPORE



## **SS10 Medicine in the 20th Century**

Coordinated by the Conference program committee

Chaired by Mercè Piqueras (Universitat de Barcelona, Spain)

Jorge Molero (Universitat Autònoma de Barcelona, Spain)

### **Lecture room RAF**

RAF - Reial Acadèmia de Farmàcia

*Saturday, 20 November*

#### **11:30 to 12:00** *Invisible Maps of the Body: Constructing Myths, Uncovering Legends*

**Karen Fleming (1)**

**Professor John McLachlan (2)**

**Miss Gabrielle Finn (2)**

(1) Research Institute Art and Design,  
University of Ulster,

(2) Durham University,  
UNITED KINGDOM

#### **12:00 to 12:30** *Science, Industry and Ideology in 20th-Century Catalonia: The Institute Ravetllat-Pla in Latin America between 1919 and 1939*

**Sara Lugo Márquez**

Universidad Autonoma de Barcelona,  
SPAIN

#### **12:30 to 13:00** *The Adaptation and Recycling of Instruments. A Closer Look at Albert Michotte's Psychological Laboratory of Perception*

**Sigrid Leyssen**

Eikones NCCR Iconic Criticism, Basel,  
SWITZERLAND  
Leuven University,  
BELGIUM

#### **13:00 to 13:30** *From Books to Cities to Provinces. The Travel and Circulation of Knowledge on Trachoma in Interwar Turkey*

**Sanem Güvenç Salgırlı**

Department of Sociology,  
Marmara University,  
TURKEY

#### **13:30 to 15:00** *BREAK*





**15:00 to 15:30** *Film, Medicine and Empire: Inclusion-Exclusion Discourses in Spanish Medical-Colonial Documentaries of the 1940s*

**Carlos Taberero (1)**

**Isabel Jiménez (2)**

**Jorge Molero (3)**

(1) Internet Interdisciplinary Institute (IN3),

Open University of Catalonia (UOC),

(2) History of Science Studies,

University of Malaga,

(3) Centre for the History of Science / Faculty of Medicine,

Autonomous University of Barcelona (UAB),

SPAIN

**15:30 to 16:00** *The Discovery of the Antihistaminic Drugs and of Chlorpromazine*

**Daniele Cozzoli**

Universitat Pompeu Fabra,

SPAIN

**16:00 to 16:30** *The Media Coverage of Asbestos Risks in Spain (1960-1990)*

**Mikel Astrain**

Dept. History of Science,

University of Granada,

SPAIN

**16:30 to 17:00** *PVC and its Controversies*

**Maria Elvira Callapez (1)**

**Ernst Homburg (2)**

(1) Centro Interuniversitário de História das Ciências e da Tecnologia (CIUHCT),

Faculdade de Ciências,

Universidade de Lisboa,

PORTUGAL

(2) Department of History, Faculty of Arts and Social Sciences,

University of Maastricht,

THE NETHERLANDS

**17:00 to 17:30** *Contesting Expertise from Locally Produced Knowledge: Asbestos Hazard Management in Spain during the Transition to Democracy*

**Alfredo Menéndez-Navarro**

Departamento de Historia de la Ciencia,

Facultad de Medicina,

Universidad de Granada,

SPAIN



## W Workshop

Coordinated by Ida Stamhuis (Editor of Centaurus)

Chaired by Ida Stamhuis (Editor of Centaurus)

### **Auditorium**

RI - Residència d'Investigadors

*Thursday, 18 November*

**12:00 to 13:30** **Workshop: 'Publishing in an International History of Science Journal (such as Centaurus)'**

Ida Stamhuis (editor of Centaurus)  
Helge Kragh (president and past editor of Centaurus)  
Matthias Heymann (associate editor of Centaurus)  
Raf de Bont (author and book review editor of Centaurus)

### **'Pere Corominas' lecture room**

IEC - Institut d'Estudis Catalans

*Friday, 19 November*

**13:30 to 15:00** **Meeting of Journal Editors**



## Y Posters

Coordinated by the Conference program committee

Chaired by [N/A]

### **Cloister**

IEC - Institut d'Estudis Catalans

#### *Permanent display*

- ***How Greek Sciences Passed to Europe by the Arab through Al-Andalus and Sicily***

**Inas Ahmed Elsayed Abbas**

Faculty of Arts,  
Alexandria University,  
EGYPT

- ***Scientific Exhibits from the Virtual Museum of the University of Barcelona***

**I. Garcia Malet (1)**

**L. Cirlot (1)**

**S. Vallmitjana Rico (2)**

(1) Vicerektorat d'Arts, Cultura i Patrimoni,  
(2) Departament de Física Aplicada i Òptica,  
University of Barcelona  
SPAIN

- ***Natural Philosophy and Religion in Byzantium: Dialogue or Conflict?***

**Manolis Kartsonakis**

The Hellenic Open University,  
GREECE

- ***Foundations of an Ancient Optical Textbook, Al-Baṣā'ir fī 'Ilm al-Manāzīr, Comparing with Today's Textbooks and Major Books of Optics before it***

**Maryam Farahmand**

Institute for History of Science  
University of Tehran,  
IRAN

- ***History of Physics as a Didactic Tool***

**Jorgo Mandili**

**Silvana Mico**

**Valbona Tahiri**

Department of Physics  
University of Vlora,  
ALBANIA



## **Z Assembly**

Coordinated by [N/A]

Chaired by [N/A]

**'Prat de la Riba' lecture room**

IEC - Institut d'Estudis Catalans

*Saturday, 20 November*

**18:00 to 20:00**    ***General Assembly of the European Society for the History of Science***