



Symposium of the Commission on the History of Modern Chemistry, Division of
History of Science and Technology, International Union of History and
Philosophy of Science

***Renewing the Heritage of Chemistry in the 21st Century:
Conversations on the Preservation, Presentation and Utilization of Sources,
Sites and Artefacts***

Paris, 21-24 June 2011

in Conjunction with the IUPAC-UNESCO International Year of Chemistry, 2011

Centenary of Marie Curie's Nobel Prize for Chemistry (1911)

École supérieure de physique et de chimie industrielles

(ESPCI ParisTech)

and

Maison de la Chimie

<http://www.chmc2011.fr>

<http://chmc2011.fr/?lang=en>

Acknowledgements / Remerciements

The mounting of the symposium *Renewing the Heritage of Chemistry in the 21st Century* has been made possible by the generous support and collaboration of the following donors and sponsoring organizations. We express our warmest thanks to all those who have helped in this way.

Organizing committee

Patrons

Ministère de l'enseignement supérieur et de la recherche (MESR), France

Ministère de la culture et de la communication (Délégation générale à la langue française et aux langues de France)

Académie des sciences de l'Institut de France, Paris

Centre national de la recherche scientifique (CNRS), Paris

École supérieure de physique et de chimie industrielles de la ville de Paris (ESPCI ParisTech)

Fondation de la Maison de la Chimie, Paris

Société chimique de France (SCF), Paris

Chemical Heritage Foundation (CHF), Philadelphia, USA

AREVA

ARKEMA

BASF France

International Union of History and Philosophy of Science (IUHPS), Division of History of Science and Technology (DHST)

Comité national français d'histoire et de philosophie des sciences (CNFHPS), attached to the Académie des sciences, Paris

Groupe d'histoire et de diffusion des sciences d'Orsay (GHDSO), University of Paris-Sud 11, Orsay

With the support of

Comité national de chimie, attached to the Académie des sciences, Paris

European Association for Chemical and Molecular Sciences (EuCheMS)

European Society for the History of Science (ESHS)

Société d'encouragement pour l'industrie nationale (SEIN), Paris

The facilities for simultaneous translation have been made possible by the generous support of the
Délégation générale française et aux langues de France
(Ministère de la Culture et de la Communication)

PROGRAMME

Tuesday 21 June

18.30-20.00. Reception at the Académie des sciences, Institut de France, 23 quai Conti, 75006 Paris

Welcome by Gérard Férey, member of the Institut de France, Académie des sciences

Address by Edmond Amouyal, Representative of the International Year of Chemistry, within the Ministère de l'enseignement supérieur et de la recherche

Presentation of the collected correspondence of Lavoisier by Patrice Bret, secretary of the Comité Lavoisier

Wednesday 22 June

École supérieure de physique et de chimie industrielles (ESPCI ParisTech), 10 rue Vauquelin, 75005 Paris

Plenary sessions between 9.00 and 10.15, 12.15 and 12.30, and between 18.00 and 18.30; parallel sessions between 10.35 and 12.05 and between 14.30 and 17.45.

Simultaneous translation will be available for the plenary lectures and all other sessions in Room A.

8.30. *Welcome – coffee*

9.00-9.15. **Address**

François Lequeux, Directeur scientifique, ESPCI

9.15-9.30. **Opening lecture**

Jeffrey Johnson, President of the Commission on the History of Modern Chemistry (CHMC)

9.30-10.15. **Plenary lecture**

Chair : Gérard Emptoz

Valérie Marchal, Institut national pour la propriété industrielle (INPI), Paris

La numérisation des brevets français

10.15-10.35. *Coffee break*

10.35-12.05. **Communication and documentation in chemistry**

Session 1A

Chair : Christoph Meinel

10.35. Jennifer Landry and Rosie D. Cook (USA), "More than black boxes. The instrument collection at the Chemical Heritage Foundation"

11.05. Susanne Rehn (Germany), "The new chemistry exhibition in the Deutsches Museum"

11.35. Isabel Martin (Germany), "A preview of the new chemistry exhibition at the Deutsches Museum. Polymer chemistry as a temporary exhibition"

Session 1B

Chair : Agustí Nieto-Galan

10.35. Bernadette Bensaude-Vincent, Emmanuel Bertrand, Sophie Jourdin, Sacha Loeve, and Pierre Teissier (France), " 'Sciences. Histoire orale'. A website for the history of recent science"

11.05. Ana Alfonso-Goldfarb, Marcia H. M. Ferraz, and Silvia Waisse (Brazil), "Digital media for the history of chemistry. Division of Multimedia Documentation at Center Simão Mathias (CESIMA)"

11.35. Masanori Kaji (Japan), "Establishment of chemical heritage in the first half of the XXth century. The role of Riko Majima, the leading first-generation organic chemist in Japan"

12.15-12.30. **Special plenary session (Salle A)**

Philippe Garderet, Scientific Vice-President, AREVA :

Chemistry. A key technology for nuclear assembly

12.30-14.30. *Lunch at ESPCI ParisTech, sponsored by AREVA*

14.30-16.00. **Historians and their sources (1)**

Session 2A

Chair : Philippe Garderet

14.30. Glaucia Maria Da Silva, Léo Degrève, Felipe Conrado F.F. Sousa, and Lucas R. Testa (Brazil), "Les archives de la Faculté de pharmacie et d'odontologie et l'histoire de l'enseignement de la chimie à Ribeirão Preto, Brésil"

15.00. Isabel Serra and Elisa Maia (Portugal), "Les archives Curie et la recherche sur la radioactivité au Portugal"

15.30. Denise Ogilvie (France), "Archives et laboratoires. Les sources de l'histoire de la chimie à l'Institut Pasteur. XX^e –XXI^e siècles"

Session 2B

Chair : Patrice Bret

14.30. Sara Carvalho, Maria Estela Jardim, and Ferdinanda Madalena Costa (Portugal), "Photography as chemical enquiry. The Lumière brothers' quest for organic developers"

15.00. Erik Langlinay (France), "The social history sources of French chemical history"

15.30. Seymour H. Mausekopf (USA), "Chemical landmarks and public understanding"

16.00-16.15. *Coffee break*

16.15-17.45

Session 3A **Historians and their sources (2)**

Chair : Laurence Lestel

16.15. Ad Maas (Netherlands), "The Unilever collection and the dilemmas of collecting modern chemical heritage"

16.45. Marco Taddia (Italie), "Ciamician's chemistry courses in Bologna (1889-1921). A selection of student lecture notes"

17.15. Alexandre Hocquet (France), "The Computational Chemistry List. Comprendre les chimistes computationnels à travers leurs échanges au sein d'une mailing list"

Session 3B **Documentation, Evaluation and Re-use of Heritage Sites of the Chemical Industry. TICCIIH special session.**

Chair and introduction to the session : Helmuth Albrecht

16.15. Helmuth Albrecht and Stefanie Ullrich (Germany), "Documentation and evaluation of industrial heritage sites of the chemical industry in Saxony/Germany"

16.45. Randi Bårtvedt (Norway), "The re-use of an electrochemical plant in the Fjords of Norway"

17.15. Alexander Kierdorf (Germany), "Of white and black sides. Historic coke plants as monuments of science, technology, architecture, and environment in Germany"

17.45-18.00. *Break*

18.00-18.30. **Public lecture**

Chair : Sylvain Gilat

Address to Gérard Férey by Jacques Prost, read by Bastien Fournié

Gérard Férey, membre de l'Institut de France, Académie des sciences,
Vice-président de la Société chimique de France, Médaille d'or CNRS 2010 :

**Porous solids. From a mineralogical curiosity in 1756
to currently strategic materials**

Thursday 23 June

At the Maison de la Chimie, 28 rue Saint-Dominique, 75007 Paris (Plenary sessions throughout the day). *Simultaneous translation will be available for the lectures and all other sessions, including the Round Table.*

8.45. Welcome

9.00-9.15. **Address**

Jean-Bernard Borfiga, Vice-Président de la Fondation de la Maison de la Chimie

9.15-10.30. **Plenary lectures**

Chair : Jeffrey A. Johnson

9.15-10.00.

Ronald Brashear, Othmer Library, Chemical Heritage Foundation, Philadelphia:

**The Chemical Heritage Foundation.
An 'American model' of a multifunctional institution**

10.00-10.30.

Robert Anderson, Clare Hall, University of Cambridge (UK):

Laboratories, generally considered

10.30-11.00. *Coffee break*

11.00-13.00.

Session 4 Institutions and the heritage of chemistry for historians

Chair : Brigitte van Tiggelen

11.00. Francine Glière (France), "Les Archives départementales de la Savoie et le patrimoine industriel de la chimie"

11.30. Gilles Chatry (France), "Conservation du patrimoine. La chimie en océanologie"

12.00. Patrick H. Shea (USA), "Science, technology, and the future of history"

12.30. Muriel Le Roux (UK & France), "La chimie contemporaine, une discipline sans histoire? Twentieth-century chemistry, a discipline without history?"

13.00-14.45. *Lunch at the Maison de la Chimie*

14.45-16.15.

Session 5 Chemists and the general public

Chair : Masanori Kaji

14.45. Robert Bud (UK), "Stories about chemistry. Illuminating folklore"

15.15. Elena Zaitseva (Russia), "The educational potential of historical artefacts related to chemistry"

15.45. Yasu Furukawa (Japan), "From chemistry to history. Chemist-historians and the Japanese Society for the History of Chemistry"

16.15-16.45. *Coffee break*

16.45-17.45. **Round table**

Chair : Jeffrey Johnson

Access to sources and institutions: private policy, public policy

with contributions by Gildas Illien (Web Archives, BNF, France), Alexander L. Bieri (Hoffmann-LaRoche, Switzerland), and Hans-Hermann Pogarell (Bayer Archives, Germany)

18.00-18.30. **Concluding plenary lecture**

Chair : Jeffrey A. Johnson

Carsten Reinhardt, University of Bielefeld (Germany):

A gaze at the spectrum of sources for the heritage of chemistry

20.00. Conference dinner (optional), sponsored by BASF France

Friday 24 June

Optional visits

For further information

Concerning the programme: jeffrey.johnson@villanova.edu

Concerning organization and registration: danielle.fauque@u-psud.fr

Website : <http://www.chmc2011.fr> <http://chmc2011.fr/?lang=en>

Webmaster : Marie-Claude Vitorge

Abstracts booklet and programme: Danielle Fauque

Production : Service de reprographie, Université Paris-Sud 11, 91405 Orsay cedex

© Design : Renaud Rey, artistic director, Société Arterrien, Toulouse

© Website : Pierre Miquel, with the assistance of Michael Jullien, Société Arterrien, Toulouse

<http://www.arterrien.com>

The work of the organizing committee has been made possible by the assistance it has received from colleagues within the Société chimique de France, the Fondation de la Maison de la Chimie, the Club d'histoire de la chimie, and in particular the École supérieure de physique et de chimie industrielles de la ville de Paris (ESPCI ParisTech), also from Jean Alécian and his team (JEAN.ALECIAN.COM). We express our warmest thanks to all those who have helped in this way.

© 2011, Club d'histoire de la chimie, 250 rue Saint-Jacques, 75005 Paris, France. Association 1901 déclarée en 1991. SIREN 530 004 126 – SIRET 530 004 126 00013. Préfecture : W751102320-13-01-2011.

The CHC is a special interest group of the the Société chimique de France
<http://www.societechimiquedefrance.fr/fr/club-histoire-de-la-chimie.html>