KARINE CHEMLA

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1.a Education

Born February 8, **1957** in Tunisia.
1973: Secondary school degree.
1976: Entry in the Ecole Normale Supérieure de Jeunes Filles (ENSJF).
1977: 4th year of mathematics (U. Paris 7).
1978: Agrégation de mathématiques.
1979: Master Degree (5th year), Mathematics (U. Paris 7).
1980-1981: Scholarship of the Foundation Singer-Polignac on a project "Science and Culture", undertaken in China. Self Learning of Chinese. Studies on the History of Mathematics in China at the Institute for the History of Natural Sciences, Academia Sinica, Beijing. Winner of the Prize of the Foundation to the Best Travel Report.
1981-82: 5th year in the ENSJF.
October 1982: Ph. D. in mathematics, Univ. Paris 13: "Etude du livre *Reflets des Mesures du Cercle sur la Mer* de Li Ye (1248)".

1.b Academic Positions

1982-Today: CNRS (French National Center for Scientific Research, Department: Mathematics. National Institute for the Humanities and Social Sciences).
Senior researcher, exceptional class, 1st level, 2017. 2nd level, 2019.
Senior researcher 1st class, 2005-.
Senior Researcher 2nd class, 1997-.
Junior Researcher 1st class, 1986-.
Junior Researcher 2nd class, 1982-.

Research group: SPHERE (Sciences, Philosophy, History), UMR 7219, CNRS-University Paris Diderot-University Paris Panthéon Sorbonne (formerly: REHSEIS).

- Member of the Research Group (GDR) "History of science and technology in China, Korea and Japan." (1984—1996)
- Participation in the Young Scholar Project "Looking at it from Asia: The processes that shaped the sources of history of science," head: F. Bretelle-Establet. (2004-2007)
- Professor on a Guest Chair at Northwest University, Xi'an (2005-).
- Participation in the ANR Project "History of Numerical Tables," head: D. Tournès. (2009-2013)
- Senior Fellow at the Institute for the Study of the Ancient World (New York U.) (2010-).
- Professor on a Guest Chair at Jiaotong University, Shanghai (2010-2013),
- Professor on a Guest Chair at Hebei Normal University (2010-2013).

1.c Awards and Honors

- Member of the Deutsche Akademie der Naturforscher Leopoldina, Section History of Science and Medicine (Elected 2005).
- Effective Member of the Académie internationale d'histoire des sciences (2005-; corresponding member: elected 1997).
- Prize Binoux, Henri de Parville, Jean-Jacques Berger, Remlinger, French Academy of science (2006).

- (with Guo Shuchun), Prize Hirayama, Academy of Inscriptions & Belles-Lettres (Paris) for the book *Les Neuf chapitres* (2006).
- Silver Medal CNRS (2008).
- Chevalière, Ordre national du Mérite (2010).
- Member of the Academia Europaea, Section History and Archeology (Elected 2013).
- George Sarton chair holder, Universiteit Ghent (2013-4).
- Chevalière, Legion of Honor (2014).
- The Hans Rausing Lecture, Uppsala University (27 November 2017).
- Doctor Honoris Causa, Vrije Universiteit Brussel, 2 April 2019.
- Member, American Philosophical Society, Class 4: Humanities (April 2019).
- Zeeman fellow (October 13 - November 3, 2019): Zeeman lecture: « The shaping of scientific classics for modern uses. An Invitation to a critical approach » (October 14, 2019) and Masterclass for graduate students of the Vossius Center (October 17, 2019), Zeemanstichting and Vossius Center, University of Amsterdam.
- Otto Neugebauer Prize, European Mathematical Society (2020).
- Elected Fellow of the European Academy of Sciences (16 May 2020)

1.d Fellowships and Grants

- Long-term visits at the Institute for the History of Natural Sciences, Chinese Academy of Science (CAS), Beijing, for the joint project of a critical edition and French translation of *The Nine Chapters* with Guo Shuchun, and for the editorial project of the China volume of the *Storia della Szienza*. (within the framework of the exchange program CNRS—CAS, June—Nov. 1984, Aug.—Nov. 1991, Sept.—Oct. 1998).
- Wissenschaftskolleg zu Berlin (Institute for Advanced Study, Berlin). Elected *Sprächerin* of the Fellows. (October 1994-July 1995).
- Invited Professor, University of Sao Paolo (Brazil). (November 1995).
- Invited Professor, Stanford University (Department of Classics and Program HPS). (February—March 2004).
- Fellow, Dibner Institute, MIT, Cambridge, Mass., US. (January-June 2006).
- Invited Fellow at the Max Planck Institute für Wissenschaftsgeschichte, Berlin. (July-August 2007; August 2012; July-August 2014; July-August 2017; August-December 2018).
- Fellowship "Chinese Academy of Sciences Visiting Professorship for Senior Foreign Scientists 外国专家特聘研究员", Chinese Academy of Science, Beijing (2009, for a visit in August-October 2010 at the Institute for the History of Natural Sciences).
- Principal Investigator of the European Research Council Advanced Research Grant, 5 years, Project "Mathematical Sciences in the Ancient World (SAW)" (co-directors of the project: Agathe Keller (CNRS) and Christine Proust (CNRS)) (2011-2016).
- Invited Professor, Institute for the History of Science, Inner Mongolia Normal University, China. (August 2011)
- Invited Professor at National Seoul University, South Korea. (August-September 2013)
- Invited researcher at the Institute for the History of Natural Sciences, Chinese Academy of Science (CAS), Beijing, for the joint project about the history of algebra with Tian Miao (April 28, 2017-May 31, 2017).

2. Publications

2.a Monographs

Etude du livre Reflets des mesures du cercle sur la mer *de Li Ye*. Ph.D. dissertation, Mathematics, University Paris 13, October 12, 1982.

(with Guo Shuchun), *Les neuf chapitres. Le classique mathématique de la Chine ancienne et ses commentaires*. Critical edition and annotated French translation by K. Chemla and Guo Shuchun. Glossary of ancient mathematical terms in Chinese, by K. Chemla. Original calligraphies by Toshiko Yasumoto. Foreword by Geoffrey Lloyd, Dunod, 2004, 1150 p.

> **Reviews**: *Mathematical reviews,* **MR2111394 (2005h:01004)** 01A25 ; Emily Grosholz, *Gazette des mathématiciens,* 105, 2005, p. 49-56 ; Donald Wagner: http://www.staff.hum.ku.dk/dbwagner/Chemla-rev/Chemla-rev.html, published in *Centaurus*, 48, 2006, p. 319-322 ; Catherine Jami, in *Etudes Chinoises*, 24, 2005, p. 342-348 ; Tian Miao, in *T'oung Pao,* vol. 92, 4-5, 2006, pp. 511-514. Essay review by Christopher Cullen in *Studies in history and philosophy of science*, 37-3, 2006, p. 515-525. Reviews by: Annick Horiuchi in *Sciamus*, 7, 2006, p. 213-218 ; Andréa Bréard, *Zentralblatt*, 2007, notice 1055.01004 ; Lisa Raphals, in *Isis,* 2007, 98:1, p. 175-176 ; Alain Bernard, in *International Journal for the History of Mathematics Education*, 2007, 2.2, p. 103—106. Essay review by Alexei Volkov, "Commentaries upon commentaries: The translation of the *Jiu zhang suan shu* 九章算術 by Karine Chemla and Guo Shuchun", *Historia Mathematica*, 37, 2010, p. 281—301. Review by Joël Brenier in the *Encyclopedia Universalis*.

The Motley Practices of Generality in Various Epistemological Cultures, The Hans Rausing lecture 2017, Salvia Småskrifter n˚17, 2018, 48 p, ISBN: 978-91-519-0708-6. Online at: https://www.idehist.uu.se/avdelningen-for-vetenskapshistoria/hans-rausing-forelasningar/2017/

2.b Edited and Co-edited Books

K. Chemla and I. Ekeland (eds.), *Mathématiques à venir. Quels mathématiciens pour l'an 2000 ?,* Dunod, 1988, Supplement of the *Bulletin de la Société Mathématique de France*, 1987, 400 p. Available online at: http://www.maths-a-venir.org/2009/sites/math-a-venir.org/files/pdf/MAV1987.pdf

K. Chemla (ed.), "Démarches mathématiques", *Encyclopédie Philosophique Universelle,* Presses Universitaires de France, 1989, p. 987 -1106.

K. Chemla, A. Volkov and V. Lichtmann (eds.), *Modèles et structures des textes chinois anciens*, Recueil de travaux soviétiques en sinologie, *Extrême-Orient, Extrême Occident, 13*, 1991, 162 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1991_num_13_13.

P. Benoit, K. Chemla and J. Ritter (eds.), *Histoire de fractions, fractions d'histoire,* Birkhäuser, 1992, Book Series "Science Networks", n° 10, 440 p.

> **Comptes rendus:** Vincent Jullien, *Revue d'histoire des sciences*，1994, 47, 3-4, p. 514-515．Hélène Gispert, *Historia Mathematica,* 23, 3, 1996, p. 319-323．

A. Dahan, J.-L. Chabert and K. Chemla (eds.) *Chaos et déterminisme*, Book Series "Points Sciences", Le Seuil, 1992, 416 p.

K. Chemla (ed.), *Regards obliques sur l'argumentation en Chine*, *Extrême-Orient, Extrême-Occident, 14*, 1992, 206 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1992_num_14_14.

K. Chemla and François Martin (eds.), *Le juste nom*, *Extrême-Orient, Extrême-Occident, 15,* 1993, 176 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1993_num_15_15.
        Review: V. Alleton, *Etudes chinoises,* 15, 1-2, 1996, p. 183-192.

K. Chemla, François Martin and Jacqueline Pigeot (eds.), *Le travail de la citation en Chine et au Japon, Extrême-Orient, Extrême-Occident*, *17*, 1995, 160 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1995_num_17_17.

K. Chemla and Michael Lackner (eds.) *Disposer pour dire, placer pour penser, situer pour agir. Pratiques de la position en Chine*, *Extrême-Orient, Extrême-Occident,* 18, 1996, 192 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1996_num_18_18.

Siegmund Probst, K. Chemla, Agnès Erdély and Antonio Moretto (eds.), *Ceci n'est pas un festschrift pour Imre Toth*, 29-12-1996. Online at: http://halshs.ccsd.cnrs.fr/halshs-00004274/

K. Chemla (ed.), *La valeur de l'exemple. Perspectives chinoises*. *Extrême-Orient, Extrême-Occident, 19*, 1997, 160 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1997_num_19_19.

François Martin, Jacqueline Pigeot and K. Chemla (eds.), *Du divertissement dans la Chine et le Japon anciens. Homo Ludens Extrême-Orientalis*, *Extrême-Orient, Extrême-Occident, 20,* 1998, 176 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1998_num_20_20.

K. Chemla, Marc Kalinowski and Donald Harper (eds.), *Divination et rationalité en Chine ancienne, Extrême-Orient, Extrême-Occident, 21*, 1999, 176 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_1999_num_21_21.

K. Chemla (ed.), with an editorial board: F. Bray, Fu Daiwie, Huang Yilong, and G. Métailié, "La scienza in Cina", in Sandro Petruccioli (gen.ed.), *Storia della scienza*, 8 volumes, Enciclopedia Italiana, Roma, 2001, volume II, 2001, p. 1-608 (The text of the Encyclopedia is available online at: http://www.treccani.it/enciclopedia/). The China volume was partly translated into Chinese in the journal 法國漢學 *Faguo hanxue* (French Sinology), 6, 2002, p. 1-397.

K. Chemla (ed.), *History of science, history of text,* Springer, Collection "Boston studies in the philosophy of science", 2004, XXVIII+254 p.
        Essay reviews par Norma B. Goethe, "Modes of representation, working tools, and the history of mathematics", *Historia Mathematica*, 35, 3, 2008, p. 242-247 (Erratum: 36 (1) (2009), 109) ; Annette Imhausen Warner, *Aestimatio*, 5, 2008, http://www.ircps.org/publications/aestimatio/pdf/Volume5/2008-04-01_ImhausenBW.pdf.

Florence Bretelle-Establet and K. Chemla (eds.), *Qu'était-ce qu'écrire une encyclopédie en Chine*? *What did it mean to write an encyclopedia in China*, *Extrême-Orient, Extrême-Occident*, hors-série, 2007, 224 p. Available online at: http://persee.cines.fr/web/revues/home/prescript/issue/oroc_0754-5010_2007_hos_1_1.

K. Chemla (ed.), with Mireille Delbraccio, *Action Concertée "Histoire des savoirs" 2003—2007. Recueil de synthèses*, 2007. Available online at: http://www.cnrs.fr/prg/PIR/programmes-

termines/histsavoirs/histsavoirs.htm, and more precisely at: http://www.cnrs.fr/prg/PIR/programmes-termines/histsavoirs/synth2003-2007Histoiredessavoirs.pdf, CNRS, 2007.

K. Chemla (ed.), *The History of Mathematical Proof in Ancient Traditions*, Cambridge University Press, 2012, xvi + 596 p. Paperback edition (2015).
    Reviews: Serafina Cuomo, *The British Journal for the History of Science*, 46 (03), 2013, p. 517-519. doi:10.1017/S0007087413000459. Jacqueline Feke, *Early Science and Medicine*, 18, 6, 2013, p. 568-570. doi: 10.1163/15733823-0186P0005. Bryon E. Wall, *Isis*, 105, 4, 2014, p. 836-837. Michalis Sialaros, *The Journal of Hellenic Studies,* 134, 2014, p. 267-268. Jochen Brüning, *Common Knowledge*, 21, 3, 2015, p. 524-525. Duncan Melville, *Aestimatio* 11, 2014, p. 179-187.

K. Chemla (ed.), Special issue *Explorations on the History of Recreational mathematics*, *Historia mathematica*, 41, 4, 2014, p. 367-517. Issue for the 40th anniversary of the journal.

K. Chemla and J. Virbel (eds.), *Texts, Textual Acts and the History of Science,* Book Series "Archimedes", Springer, 2015.
Reviews: Nathan Sidoli, *Isis*, 108, 2, 2017, p. 417-418.

K. Chemla, R. Chorlay and D. Rabouin (eds.), *The Oxford Handbook of Generality in Mathematics and the Sciences*, Oxford University Press, 2016.
    Reviews: Jenny Boucard, *Revue d'histoire des sciences*, 70, 1, 2017, p. 238-241. Vincenzo De Risi, *Early Science and medicine*, 22, 4, 2017, p. 399-403. David Rowe, *Isis*, 108, 4, 2017, p. 872-873. Christoph Eckes (translated by Rachel Keith), *HOPOS*: *The Journal of the International Society of the History of Philosophy of Science*, 8 (Spring 2018), p. 214–217.

K. Chemla and Evelyn Fox Keller (eds.), *Cultures without culturalism: The making of scientific knowledge*, Duke University Press, April 2017.
    Reviews: Yeang Chen-Pang, *East Asian Science, Technology and Society: An International Journal*, 11, 2017, p. 463–466; Michael Barany, "Culture's tension", *Metascience*, 27, 2, 2018, p. 275-278, https://doi.org/10.1007/s11016-018-0286-2. Alfred Freeborn, *Journal for General Philosophy of Science*, 2018, p. 1-6, https://link.springer.com/content/pdf/10.1007%2Fs10838-018-9434-z.pdf. Nadin Heé, *NTM. Natur, Technik, Medizin,* 27, 2, 2019, p. 221-223.

K. Chemla (ed.), Two special issues of *East Asian Science, Technology and Medicine*, 43 & 44 (2016) titled *Numerical Tables and Tabular Layouts in Chinese scholarly documents* (I & II) (vol. I (March 2017), vol. II (April 2017)).

D. Morgan, D. Chaussende, with the collaboration de K. Chemla (eds.), *Monographs in Tang Official Historiography. Perspectives from the Technical Treatises of the* History of Sui (Sui Shu) (Accepted. Preprint handed out and discussed during the conference of the project ERC SAW "Treatises of the *Book of Sui*", 2013, organized by D. Chaussende, K. Chemla and Zhu Yiwen). Springer, 2019.

C. Michel and K. Chemla (eds.), *Mathematics, Administrative and Economic Activities in Ancient Worlds* (Forthcoming, Springer, 2020).

Karine Chemla and Glenn W. Most (eds.), *Mathematical Commentaries in the Ancient World: A Global Perspective*. A preprint of the book was handed out and discussed during a workshop held at the Max Planck Institut für Wissenschaftsgeschichte, Berlin, August 2017. The final version of the book was accepted by Cambridge University Press, 2019.

Tian Miao and K. Chemla (eds.), *A Worldwide Approach to the Early History of Algebra seen from China* (contract with Springer).

2.c Articles and Book Chapters (Last twelve years only)

"Penser sur la science avec les mathématiques de la Chine ancienne", in Anne Cheng (ed.), *La pensée en Chine aujourd'hui*. Epilogue of the Book "Dépasser l'altérité", Gallimard, Folio, 2007, p. 353-386, 432-438. Preprint available online at: http://halshs.archives-ouvertes.fr/halshs-00903738.

K. Chemla and Florence Bretelle-Establet, "Introduction: Qu'était-ce qu'écrire une encyclopédie en Chine?", in K. Chemla and F. Bretelle-Establet (eds.), *Qu'était-ce qu'écrire une encyclopédie en Chine*? *What did it mean to write an encyclopedia in China*, *Extrême-Orient, Extrême-Occident*, 2007, p. 7-18. Available online at: http://persee.cines.fr/web/revues/home/prescript/article/oroc_0754-5010_2007_hos_1_1_1066.

"La généralité, valeur épistémologique fondamentale des mathématiques de la Chine ancienne", Journée Jean Filliozat, *Comptes rendus de l'Académie,* Académie des Inscriptions et Belles-Lettres, Institut de France, 2006 (2008), 10 bis, fascicle IV, p. 113—146.

"Antiquity in the shape of a Canon. Views on antiquity from the outlook of mathematics", in Dieter Kuhn and Helga Stahl (eds.), *Perceptions of Antiquity in Chinese Civilization,* Book Series "Würzburger Sinologische Schriften", 2008, p. 191-208. The version submitted is available online at: http://halshs.ccsd.cnrs.fr/halshs-00010369/.

"Classic and commentary: An outlook based on mathematical sources," Preprint, Max Planck Institut für Wissenschaftsgeschichte, 2008, http://www.mpiwg-berlin.mpg.de/Preprints/P344.PDF, accepted for publication by the *British Journal for the History of Science*.

"On mathematical problems as historically determined artifacts. Reflections inspired by sources from ancient China", *Historia Mathematica*, 36, 3, 2009, p. 213-246. The article was reprinted in the special issue published for the 40th anniversary of the journal *Historia Mathematica*, 2014, available online at: http://www.journals.elsevier.com/historia-mathematica/news/four-decades-of-excellence-in-the-history-of-mathematics-ann/.

"Literacy and the history of science. Reflections based on Chinese and other sources", in David R. Olson and Nancy Torrance (eds.), *Cambridge Handbook of Literacy*, Cambridge University Press, 2009, p. 253-270.

"Apprendre à lire: La démonstration comme élément de pratique mathématique", *Communications,* 2009, 84, special issue: R. Mandressi (ed.), *Figures de la preuve*, p. 85-101.

"從古代中國數學的觀點探討知識論文化 (An approach to epistemological cultures from the vantage point of some mathematics of ancient China)", 祝平一 Chu Pingyi (ed.), *New views on Chinese history. Volume on the History of Science and Technology*: *Science, technology and Chinese society* 中國史新論科技史分冊：科技與中國社會 (in Chinese), Book published for the 80th anniversary of the Institute of History and Philology, Academia Sinica, Taiwan, 台北：聯經出版社, 2010, p. 181-270.

"A Chinese Canon in Mathematics and its two Layers of Commentaries: Reading a collection of texts as shaped by actors", in F. Bretelle-Establet (ed.), *Looking at it from Asia: the processes that shaped the sources of history of science*, Springer, Book Series "Boston Studies in the Philosophy of Science", 265, 2010, p. 169—210.

"Mathematics, Nature and Cosmological Inquiry in Traditional China", in Guenther Dux and Hans-Ulrich Vogel (eds.), *Concepts of Nature in Traditional China: Comparative Approaches*, Leiden: Brill, 2010, p. 255—284 (Proceedings of the Symposium "Understanding Nature in China and Europe until the eighteenth century. A cross-cultural Project ", March 23-25, 2000).

"Proof in the Wording: Two modalities from Ancient Chinese Algorithms", in G. Hanna, H. N. Jahnke, and H. Pulte, *Explanation and Proof in Mathematics: Philosophical and Educational Perspectives*,

Springer, 2010, pp. 253—285. Preprint available online at: http://halshs.archives-ouvertes.fr/halshs-00841587.

"Changes and continuities in the use of diagrams *tu* in Chinese mathematical writings (3rd century-14th century) [I]", EASTS. *East Asian Science, Technology, and Society, An International Journal*, 4, 2010, p. 303–326. A preprint of the full article, in French, is available online at: http://halshs.archives-ouvertes.fr/halshs-00837549.

"Usage of the terms "likewise" and "like" in texts for algorithms. Algorithmic analogies in ancient China", in Klaus Hentschel (ed.), *Analogien in Naturwissenschaft und Medizin*, Leopoldina, 2010 (*Acta Historica Leopoldina*), p. 329-357. Preprint available online at: http://halshs.archives-ouvertes.fr/halshs-00837518.

Karine Chemla and Ma Biao, "Interpreting a newly discovered mathematical document written at the beginning of Han dynasty in China (before 157 B.C.E.) and excavated from tomb M77 at Shuihudi 睡虎地," *Sciamvs*, 12, 2011, p. 159-191.

"數學證明編史學中的一個理論問題 (A theoretical issue in the historiography of mathematical proof)", *Science & Culture Review* (科学文化评论), 8, 3, 2011, p. 16—25.

"Constructing value with instruments versus constructing equivalence with mathematics. Measuring grains according to early Chinese mathematical sources", in John Papadopoulos and Gary Urton (eds.), *The Construction of Value in the Ancient World*, Cotsen Institute of Archaeology, 2012, p. 459-474 (references, p. 536-595).

"Reading proofs in Chinese commentaries: Algebraic proofs in an algorithmic context", in K. Chemla (ed.), *The History of Mathematical Proof in Ancient Traditions*, Cambridge University Press, 2012, p. 423—486.

"Prologue: Historiography and history of mathematical proof: A research program", in K. Chemla (ed.), *The History of Mathematical Proof in Ancient Traditions*, Cambridge University Press, 2012, p. 1—68.

"Using documents from ancient China to teach mathematical proof", in G. Hanna & M. de Villiers (eds.) *Proof and Proving in Mathematics Education*, Book Series "New ICMI Study Series", 15, Springer, 2012, p. 423-429.

"Shedding some light on a possible origin of the concept of fraction in China. Division as a link between the newly discovered manuscripts and *The Gnomon of the Zhou [dynasty]*", *Sudhoffs Archiv,* 97 (2), 2013, p. 174-198. Preprint available online at: https://halshs.archives-ouvertes.fr/halshs-01138465.

"Ancient writings, modern conceptions of authorship. Reflections on some historical processes that shaped the oldest extant mathematical sources from ancient China", in Markus Asper (ed.), *Writing Science. Medical and Mathematical Authorship in Ancient Greece,* De Gruyter, 2013, p. 63-82.

"Observing mathematical practices as a key to mining our sources and conducting conceptual history. Division in ancient China as a Case study", in Léna Soler, Sjoerd Zwart, Michael Lynch and Vincent Israël-Jost (eds.), *Science after the Practice Turn in Philosophy, History, and the Social Studies of Science*, Routledge, 2014, p. 238-268. Preprint available online at: http://halshs.archives-ouvertes.fr/halshs-00803425.

"On the sources of the historian of science from the perspective of a history of education", in Alain Bernard & Christine Proust (eds.), *Scientific Sources and Teaching Contexts throughout History: Problems and Perspectives*, Book Series "Boston Studies in the Philosophy of Science", vol. 301, Springer, 2014, p. 305-324.

"The Dangers and Promises of Comparative History of Science", *Sartoniana*, 27, 2014, Sarton Chair of the History of Sciences, University of Ghent, Belgium, p. 13-44. The published version is available online at: http://www.sartonchair.ugent.be/file/288.

"Explorations on the History of Recreational Mathematics: An Introduction", *Historia Mathematica* (Introduction to the special issue *Explorations on the History of Recreational mathematics*), 41, 4, 2014, p. 367-376.

"Describing texts for algorithms: how they prescribe operations and integrate cases. Reflections based on ancient Chinese mathematical sources", in K. Chemla and J. Virbel (eds.), *Texts, Textual Acts and the History of Science,* Springer, Book Series "Archimedes", 2015, p. 317-384.

K. Chemla and Jacques Virbel, "Introduction: Textual acts and the History of science", in K. Chemla and J. Virbel (eds.), *Texts, Textual Acts and the History of Science,* Springer, Book Series "Archimedes", 2015, p. 1-46.

K. Chemla and Ma Biao, "How do the earliest known mathematical writings highlight the state's management of grains in early imperial China?", *Archive for history of exact sciences*, 69 (1), 2015 (2014), p. 1-53.

"The Value of Generality in Michel Chasles's Historiography of Geometry", in K. Chemla, R. Chorlay and David Rabouin (eds.), *The Oxford Handbook of Generality in Mathematics and the Sciences*, Oxford University Press, 2016, p. 47-89.

K. Chemla, Renaud Chorlay and David Rabouin, "Prologue: Generality as a component of an epistemological culture", in K. Chemla, R. Chorlay and David Rabouin (eds.), *The Oxford Handbook on Generality in Mathematics and the Sciences*, Oxford University Press, 2016, p. 1-41.

"Proof, Generality and the Prescription of Mathematical Action: A Nanohistorical Approach to Communication", European Society for the History of Science, Presidential address, *Centaurus*, 57, 2015 (2016), p. 278–300. The article is available online at: http://onlinelibrary.wiley.com/doi/10.1111/1600-0498.12111/full

"Reading *The History Manifesto* as a historian of mathematics in ancient China", *Isis*, 107 (2), 2016, p. 324-333. The article is available online at:
http://www.journals.uchicago.edu/doi/pdfplus/10.1086/687222.

墨子涵 (Daniel Morgan) and 林力娜 (Karine Chemla), "也有輪著寫的：張家山漢簡《筭數書》寫手與篇序初探 (There is Also Writing in Turns: Initial Investigation of the Hands and Compilational Order of the Han Bamboo Manuscript *Suan shu shu* (*Writings on mathematical procedures*) from Zhangjiashan)", *Jianbo* 簡帛 12, 2016, p. 235-252. Preprint available online at: https://halshs.archives-ouvertes.fr/halshs-01347036.

Daniel Morgan and Karine Chemla, "Writing in Turns : An Analysis of Scribal Hands in the Bamboo Manuscript *Suan shu shu suan* 筭數書 (*Writings on Mathematical Procedures*) from Zhangjiashan Tomb No. 247", *Silk and Bamboo*, 1, 2018, p. 152-189. English version significantly revised of the previous title.

"Numerical tables in Chinese writings devoted to mathematics: From early imperial manuscripts to printed Song-Yuan books", *East Asian Science, Technology and Medicine*, 44, 2016 (2017), p. 69-121.

"Numerical Tables and Tabular Layouts in Chinese scholarly documents: An introduction (part I): On the work to produce tables and the meaning of their format)", Introduction to volume 1 of a special issue, titled *Numerical Tables and Tabular Layouts in Chinese scholarly documents* (I), *East Asian Science, Technology and Medicine*, 43, 2016 (2017), p. 9-15.

"Numerical Tables and Tabular Layouts in Chinese scholarly documents: An introduction (part II): Synchronic and Diachronic approaches to the texts of tables)", Introduction to volume 2 of a special issue, titled *Numerical Tables and Tabular Layouts in Chinese scholarly documents* (II), *East Asian Science, Technology and Medicine*, 44, 2016 (2017), p. 11-20.

"Changing mathematical cultures, conceptual history and the circulation of knowledge. A case study based on mathematical sources from ancient China", in K. Chemla and E. Fox Keller (eds.), *Cultures without culturalism: The making of scientific knowledge*, Duke University Press, April 2017, p. 352-398.

K. Chemla and Evelyn Fox Keller, "Cultures without culturalism in the making of scientific knowledge. Introduction", in K. Chemla and E. Fox Keller (eds.), *Cultures without culturalism: The making of scientific knowledge*, Duke University Press, 2017, p. 1-25. Available online at: https://www.dukeupress.edu/Assets/PubMaterials/978-0-8223-6372-9_601.pdf.

"What can be derived from Evelyn Fox Keller's article about scientific cultures? Some thoughts about language and scientific activity", EASTS. *East Asian Science, Technology, and Society, An International Journal*, 11, 3, 2017, p. 411-416.

"Abstraction as a value in the historiography of mathematics in ancient Greece and China. A Historical approach to comparative history of mathematics", in Geoffrey Lloyd and Jingyi Jenny Zhao (eds.), in collaboration with Qiaosheng Dong, *Ancient Greece and China Compared*, Cambridge University Press, 2018 (2017), p. 290-325.

(with Wu Min 吴旻) "数学史料与中国古代社会——访法国汉学家林力娜教授 (Mathematical documents and Society in ancient China—Interview with the French Sinologist Karine Chemla)", 中国史研究动态 (*Trends of Recent Researches on the History of China*), 2018, 6, p. 69-75.

Ma Biao (馬彪) and K. Chemla (林力娜) "秦、西汉容量"石"诸问题研究 (Research on various problems raised by the capacity measuring unit '*dan*' in the Qin and Western Han time periods)", *Zhongguo shi yanjiu* 中國史研究 (Researches on the history of China), 160, 4, 2018, p. 41-58.

(with 鄒大海 ZOU Dahai), "Parts in Chinese mathematical texts. Interpreting the chapter form of *The Nine Chapters on Mathematical Procedures*", Preprint handed out at the conference "Parts and Pieces: an Exploration of the Textuality of Scientific Writings", SAW Project, 3 - 4 July 2013. The revised version has appeared in Florence Bretelle-Establet and Stéphane Schmitt (eds.), *Pieces and Parts in Scientific Texts*, Springer, 2018, p. 91-133.

"Mathematical Knowledge and Practices from early imperial China till the Tang Dynasty (618-907)", in Alexander Jones and Liba Taub (eds.), *Cambridge History of ancient science,* Cambridge University Press, 2018, p. 553-573.

"Mathematics", in Paul Goldin (ed.), *Routledge Handbook of Early Chinese History*, Routledge, 2018, p. 473-492.

"How has one, and how could have one, approached the diversity of mathematical cultures?", In Volker Mehrmann and Martin Skutella (eds.), *Proceedings of the 7th European Congress of Mathematics 2016*, Berlin, 18-22 August 2016 (2018), p. 1-61.

"The proof is in the diagram. Liu Yi and the graphical writing of algebraic equations in 11th century China", *Endeavour*, 42, 2018, p. 60–77.

"Different clusters of text from ancient China, different mathematical ontologies", Preprint handed out for the workshop "Science in the forest, Science in the past: Clash of ontologies and problems of translation", organized by Geoffrey Lloyd, Aparecida Vilaça, Mauro Almeida and Manuela Carneiro da Cunha, Cambridge University, May 31- June 2, 2017. Revised version published in *HAU: Journal of Ethnographic Theory*, 9, n° 1, 2019, p. 99–112.

"Writing abstractly in mathematical texts from early imperial China", preprint handed out at the conference *Technical Arts and Historical Writing in Early China*, Berkeley, November 6-8, 2014. The revised version is accepted in Mark Csikszentmihalyi and Michael Nylan (eds.), *Technical Arts and Historical Writing in Early China*.

(with Zhu Yiwen) "Contrasting commentaries, and contrasting subcommentaries on mathematical and on Confucian canons", in K. Chemla and G. W. Most (eds.), *Mathematical Commentaries in the Ancient World: A Global Perspective*, final version accepted by Cambridge University Press, 2019.

Zhu Yiwen and K. Chemla, "Algorithms carrying out derivations (*tui*) versus Algorithms for looking for (*qiu*). On the first entry of *Mathematical Procedures for the Five Canonical Texts*", in M. Husson, A. Keller and C. Proust (eds.), *Practices of reasoning in the mathematical sciences* (title to be confirmed). Preprint handed out at the conference with the same title, December 2017.

"Li Ye *Ce Yuan Hai Jing* de jiegou ji qi dui shuxue zhishi de biaoshi 李冶測圓海鏡的結構 及其對數學知識的表示", ("Textual structures and expression of mathematical knowledge in Li Y's *Ce Yuan Hai Jing*"), 數學史文集 *Shuxueshi wenji* (Collected papers on the history of mathematics), 5, 1993, p. 123-142 (in Chinese) (Presentation in Chinese in *NHCS*, 9, 1995, p. 22-3). An English version of this article will appear in Tian Miao and K. Chemla (eds.), *A Worldwide Approach to the Early History of Algebra seen from China* (contract with Springer).

"Working on and with division in early China", Preprint handed out at the conference "Cultures of computation and quantification in the ancient world", SAW Project, 25-29 March 2013. The revised version is forthcoming in K. Chemla, A. Keller & C. Proust (eds.), *Cultures of computation and quantification in the ancient world* (Forthcoming). A preprint version, before English polishing, is available at the following address: https://halshs.archives-ouvertes.fr/halshs-01954353.

"Various facets of a formal work on operations in a tradition from China, 1st century—13th century", in Tian Miao and K. Chemla (eds.), *A Worldwide Approach to the Early History of Algebra seen from China*, (Contract with Springer).

"Different Concepts of Equations in *The Nine Chapters on Mathematical Procedures* and in the Commentary on it by Liu Hui (3rd century)", *Historia Scientiarum*, 4, n° 2, 1994, p. 113-37. (Presentation in *NHCS*, 10, 1995, p. 25). A revised version of this article is forthcoming in Tian Miao and K. Chemla (eds.), *A Worldwide Approach to the Early History of Algebra seen from China* (contract with Springer).

"L'histoire des sciences dans la sinologie des débuts du XIXe siècle : les Biot père et fils", Preprint handed out at the conference "Jean-Pierre Abel-Rémusat et ses successeurs. Deux cents ans de sinologie française en France et en Chine / 中法汉学之间两世纪的交流 ： 中法合办法兰西学院雷慕沙讲座两百周年纪念学术研讨会", organized by P. E. Will, Collège de France, June 11-13, 2014 (The document is available online at: https://halshs.archives-ouvertes.fr/halshs-01509318/document). The revised version is forthcoming in Pierre-Etienne Will (ed.), *Jean-Pierre Abel-Rémusat et ses successeurs. Deux cents ans de sinologie française en France et en Chine,* Proceedings of the conference, Publications of the Académie des Inscriptions et Belles-Lettres, 2018.

"Needham and the issue of Chinese as a language for science: Taking a linguistic turn materially", *Isis* (in D. Schaefer & Florence Hsia (eds.), Needham – Second Look), 110, 1, 2019, p. 109-115.

"Reading and (Re-)Classifying Canonical Instructions of the Past: Commentaries on *The Nine Chapters on Mathematical Procedures* from the 3rd to the 13th Centuries", Preprint for the Blog of the conference "Learning by the book", Princeton University, June 6-10, 2018, History of Knowledge, June 5, 2018, https://historyofknowledge.net/2018/06/05/reading-and-re-classifying-canonical-instructions-of-

the-past-commentaries-on-the-nine-chapters-on-mathematical-procedures-from-the-3rd-to-the-13th-centuries/. See the set of contributions online at: https://historyofknowledge.net/lbtb/.

(with Glenn W. Most) "Introduction: Why study mathematical commentaries?", in Karine Chemla and Glenn W. Most (eds.), *Mathematical Commentaries in the Ancient World: A Global Perspective*, final version accepted by Cambridge University Press, 2019.

"Hourya : un témoignage et une relecture de Corps et modèles", in E. Haffner and D. Rabouin, *L'épistémologie du dedans. Mélanges en l'honneur d'Hourya Benis-Sinaceur*, Classiques Garnier, 2020, Forthcoming.

"On the Diagrammaticity of Ancient Texts and its Importance for the History of Science. Taking the Early Chinese Mathematical Text *The Gnomon of the Zhou* as an Example," *EASTS (East Asian Science, Technology and Society*), 14, 2020 (Forthcoming).

"Ancient and Medieval Science in Peril", *Looking Back as We Move Forward: The Past, Present, and Future of the History of Science. Liber amicorum for Jed Z. Buchwald on his 70th birthday*, April 2019, p. 195-201.

(with Ma Biao) "The use of volume in the measurement of grains in early imperial China", in C. Michel and K. Chemla (eds.), *Mathematics, Administrative and Economic Activities in Ancient Worlds* (Forthcoming, Springer, 2020).

(Cécile Michel and Karine Chemla) "Mathematics, Administrative and Economic Activities in the Ancient Worlds: An Introduction", in C. Michel and K. Chemla (eds.), *Mathematics, Administrative and Economic Activities in Ancient Worlds* (Forthcoming, Springer, 2020).

"Vertige interpretatif", in Mechtild Fend, Anke te Heesen, Christine von Oertzen and Fernando Vidal (eds.), *Surprise. 107 Varations on the unexpected*, 2019, p. 59-62.

"Reading instructions of the past, classifying, and reclassifying them. Commentaries on the Canon *The Nine Chapters on Mathematical Procedures* from the 3rd to the 13th centuries", *British Journal for the History of Science. Themes*, Special issue entitled *Learning by the Book*, edited by Angela Creager, Mathias Grote and Elaine Leung, 2020 (Forthcoming).

"From Reading Rules to Reading Algorithms. Textual Anachronisms in the History of Mathematics and their Effects on Interpretation", in N. Guicciardini (ed.), *Anachronisms in the History of Mathematics*, Cambridge University Press, 2020 (Forthcoming).

2.d For a wider readership (Last twelve years only)

"Matematica e cultura nella Cina antica", in Claudio Bartocci and Piergiorgio Odifreddi eds.), *La matematica.*I.: *I luoghi e i tempi*, Einaudi, 2007, pp. 91-137. A revised version was translated into French by D. Vernerey and appeared as: "Mathématiques et culture. Une approche appuyée sur les sources chinoises les plus anciennes", in Claudio Bartocci and Piergiorgio Odifreddi (eds.), *La mathématique. 1. Les lieux et les temps*, Editions du CNRS, 2009, p. 103—152.

"K. Chemla", in P. Pajot (éd.), *Parcours de mathématiciens,* Book Series "*Comment je suis devenue ...*", "Le Cavalier Bleu" Publishing house, 2010, p. 77—94.

"Une figure peut en cacher une autre. Reconstituer une pratique des figures géométriques dans la Chine du XIIIe siècle", *Images des mathématiques*, May 2011, http://images.math.cnrs.fr/Une-figure-peut-en-cacher-une.html.

K. Chemla, Thomas Coudreau and Giuseppe Leo "Observation: pratiques et enjeux", introduction to the book K. Chemla, Thomas Coudreau and Giuseppe Leo (eds.), *Observations: pratiques et enjeux*, Omniscience, 2015, p. 5-16. See online at:
http://www.omniscience.fr/files/2015/02/21/itm0499_Introduction.pdf

Introduction to *Les Neuf Chapitres. Le classique mathématique de la Chine ancienne. Extraits du Neuvième Chapitre.* A book prepared by André Deledicq on the basis of *Les Neuf Chapitres*, Les Classiques Kangourou. ACL-Les Editions du Kangourou, 2013.

"La diversité des cultures mathématiques: un passé et quelques futurs possibles", *Gazette des mathématiciens*, 150, 2016, p. 16-30 (available online at: http://www.smf.emath.fr/files/150-bd.pdf). English translation in *Newsletter de l'EMS*, 104, June 2017, p. 14-24 (http://www.ems-ph.org/journals/newsletter/pdf/2017-06-104.pdf).

(with Bruno Belhoste) "A friendship with Hilary", in Roy Cook & Geoffrey Hellman (eds.), *Hilary Putnam on Logic and Mathematics,* Springer, 2018, p. 6-7.

(with Pierre Arnoux, Marc Schoenauer and Georges Skandalis) "Une brève histoire de Jean-Christophe", *Gazette des mathématiciens*, Special issue *Jean-Christophe Yoccoz*, April 2018, p. 17-19.

(with Etienne Ghys) "Jean-Christophe Yoccoz", Eloge, French National Committee for the History and Philosophy of Science and Technology, May 29, 2018. Online at:
http://www.cnfhpst.org/sites/default/files/documents/eloge_Jean-Christophe_Yoccoz.pdf.

2.e Reviews (Last ten years only)

Review of Charlotte Furth, Judith T. Zeitlin and Ping-chen Hsiung (eds.), *Thinking with cases. Specialist knowledge in Chinese cultural history*, University of Hawai'i Press, 2007, in *Revue de synthèse*, 6ᵉ série, 131, 4, 2010, p. 634—637.

Review of Francesca Bray, Vera Dorofeeva-Lichtmann and Georges Métailié (eds.), *Graphics and Texts in the Production of Technical Knowledge in China. The Warp and the Weft.* Brill, 2007, in *Etudes chinoises*, 29, 2010, p. 478—485.

Essay review de *The Mathematics of Egypt, Mesopotamia, China, India, and Islam. A sourcebook.* Victor J. Katz, Annette Imhausen, Eleanor Robson, Joseph W. Dauben, Kim Plofker, J. Lennart Berggren (eds.), Princeton University Press, 2007, in *Historia Mathematica*, 39, 2012, p. 324-334.

Review of Anne Marie Décaillot, *Cantor et la France. Correspondance du mathématicien allemand avec les Français à la fin du XIXe siècle*, Kimé, 2008, in *Historia Mathematica*, 41, 3, 2014, p. 342-344.

Review of Jiri Hudecek, *Reviving Ancient Chinese Mathematics. Mathematics, history and politics in the work of Wu Wen-Tsun*, Routledge, 2014, in *Isis* 107, 4, 2016, p. 894-896.

Review of Tina Su Lyn Lim and Donald B Wagner, *The Continuation of Ancient Mathematics: Wang Xiatong's Jigu suanjing, Algebra and Geometry in 7th Century China*, NIAS Press, 2017, in *T'oung-Pao* (Forthcoming).

3. Conferences

3.a Organization of conferences: A sample

Below is a selection of conferences that I organized or co-organized.

(with Eberhard Knobloch and Jeanne Peiffer), Conference "Invention, transmission, réception et transformation des idées mathématiques", MFO, April 24-30, 1994, Oberwolfach.

Conference "Histoire des sciences, histoire du texte", Wissenschaftskolleg and Einstein Forum, March 30-April 2, 1995, Berlin.

(with Eberhard Knobloch and Jeanne Peiffer), Conference "Histoire de la lecture des anciens en mathématiques", CIRM, October 16-20, 1995 (Abstracts publiés dans les *Publications du Centre international de rencontres mathématiques*. Résumés des colloques n° 11, 1995, pp. 177-97), Luminy.

(with Jeanne Peiffer (Centre Koyré)), "Gabarits, patrons, pochoirs et autres modèles. Fabrication, usage et circulation" , IHP, March 23-24, 2001, Paris.

Workshop "Histoire et historiographie de la démonstration mathématique", Columbia University-MSH-REHSEIS, Reidhall, May 17-19, 2002, Paris.

(with Roshdi Rashed), "Writing and rewriting the history of mathematics 1900-2000", Foundation Les Treilles, September 5 -11, 2003, Tourtour.

Conferences "Histoire des savoirs", First Conference: May 24-25, 2004, Central Building of CNRS; Second Conference, December 1-3, 2005, ENS-Rue d'Ulm; Final Conference, November 29 – December 1, 2007, ENS Rue d'Ulm, Paris.

(with Evelyn Fox Keller (MIT & Chaire Blaise Pascal)), Workshop "Styles and cultures", Project "Cultures épistémologiques", REHSEIS, November 10, 2006, Paris.

(with Evelyn Fox Keller (MIT & Institute for Advanced Study, Paris)), Conference "Styles and cultures of scientific practice", Foundation Les Treilles, June 15-21, 2008, Tourtour.

(with Alexander Jones (ISAW)), workshop "The history of ancient mathematical sciences", REHSEIS—NYU, November 24-25, 2008, New York.

(with A. Malet (Pompeu Fabra U., Barcelona) and E. Knobloch (TU Berlin)), Conference "History and philosophy of mathematical notations and symbolism", Mathematisches Forschungsinstitut, October 25-31, 2009, Oberwolfach.

(with Qu Anjing (Northwest University)), Conference "Cultures and elements of practices in mathematics, 1800-1930", Northwest University, August 11-17, 2010, Xi'an.

(with Evelyn Fox Keller (MIT & Institute for Advanced Study)), Workshop "Simplicity as an Epistemological Value in Scientific Practice", Maison Suger, January 8-9, 2010, Paris.

(with Evelyn Fox Keller (MIT)), Conference "Styles and cultures of scientific practice", Foundation Les Treilles, June 20-25, 2011, Tourtour.

(with Tian Miao (IHNS, CAS)), Workshop "On the international history of algebra", Institute for the history of Natural Sciences, Chinese Academy of Science, August 27-31, 2011, Beijing.

Workshop "Tables en Chine", Project ANR "History of numerical tables", SPHERE, Université Paris Diderot, March 22-23, 2012, Paris.

(with Tom Archibald, Pan Liyun and Qu Anjing), Conference "History of modern mathematics II", In honor of Prof. Li Wenlin, Northwest University, May 16-20, 2012, Xi'an.

(with Zhu Yiwen (SAW)), Symposium "Meanings and Uses of Measuring Units in pre-modern China", Congress of the European Association of Chinese Studies, September 5-8, 2012, Paris.

(with Damien Chaussende (CRCAO) and Zhu Yiwen (SAW)), Workshop "Li Chunfeng 李淳風 (602-670), praticien des mathématiques et des sciences astrales à la cour des Tang" and "Les monographies des histoires dynastiques composées dans la Chine des Tang" , SPHERE, Université Paris Diderot, November 29, and December 1, 2012, Paris.

(with Lorraine Daston (MPIWG)), Conference "Thinking with tables", Max Planck Institut fuer Wissenschaftsgeschichte, March 12-13, 2012, Berlin.

(with Agathe Keller, Christine Proust and the members of the SAW project), Conference "Cultures of computation and quantification in the ancient world", SPHERE, Université Paris Diderot, March 25-29, 2013, http://sawerc.hypotheses.org/conferences/conference-cultures-of-computation-and-quantification-in-the-ancient-world, , which concluded the two month workshop on the same topic (http://sawerc.hypotheses.org/workshops/workshop-cultures-of-computation) , Paris.

(with the members of the SAW project), Conference "Shaping the sciences of the ancient world. Text Criticism, Critical Editions and Translations of ancient and medieval Scholarly Texts (18th-20th century)", SPHERE, Université Paris Diderot, June 17-21, 2013, Paris (http://sawerc.hypotheses.org/conferences/conference-shaping-the-sciences-of-the-ancient-world).

Conference "Circulations et interactions entre domaines des mathématiques aux XIXe et début du XXe siècles", French-Chinese Meeting of early-career researchers, Henri Poincaré Institute, June 27-28, 2014, Paris.

(with the Korean Society for History of Mathematics), Conference "Histoire des équations algébriques", International Congress of Mathematicians, August 2014, Seoul.

(with Qu Anjing (Northwest University)), Conference "Algorithms in the mathematical sciences in the ancient world (International Conference on History of ancient mathematics and astronomy. In Memory of Professor Li Jimin)", SAW & Northwest University, August 24-27, 2015, Xi'an (http://sawerc.hypotheses.org/conferences/international-conference-on-history-of-ancient-mathematics-and-astronomy-2015).

(with the members of the SAW project), Conference "Shaping the sciences of the past", SPHERE, Université Paris Diderot, December 1-4, 2014, Paris (http://sawerc.hypotheses.org/workshops/workshop-history-of-critical-editions).

(with Matthieu Husson, Agathe Keller, Christine Proust and the members of the SAW project), Conference "Mathematical practices in relation to the astral sciences", SPHERE, Université Paris Diderot, March 26-31, 2015, Paris, http://sawerc.hypotheses.org/conferences/conference-mathematical-practices-in-relation-to-the-astral-sciences, which concluded the two month workshop on the same topic

(http://sawerc.hypotheses.org/workshops/three-day-meeting-how-do-writings-in-the-astral-sciences-document-mathematical-practices-and-the-practitioners).

Conference "Reflecting on the fragmentation of the field of the history of science and technology. Perspectives from Europe", European Society for the History of Science, November 5-7, 2015, Paris.

Symposium "Historical and theoretical approaches to comparison in the history of ancient science", History of Science Society, November 19-22, 2015, San Francisco.

(with Lorraine Daston, Mark Geller and Glenn Most), Workshop "Commentaries for Teaching and Research in Medicine and Mathematical Sciences", Max Planck Institute, August 25-27, 2016, Berlin.

(with the SAW group and the Center for the study of manuscript cultures, Hamburg Universität (CSMC)), Conference "Mistakes and the study of manuscripts", SPHERE, Université Paris Diderot,May 2-3, 2016, Paris (http://sawerc.hypotheses.org/conferences/conference-on-mistakes-and-the-study-of-manuscripts-2016).

(with Petr Svobodny and Milada Sekyrkova (Charles University), Bi-annual Conference of the European Society for the History of Science, "Science and Power. Science as Power", September 22-24, 2016, Prague (http://7eshs2016.guarant.eu/files/eshs-2016-book-of-abstracts.pdf).

(with Agathe Keller, Christine Proust and the members of the SAW project), Conference "Writing histories of ancient mathematics – Reflecting on past practices and opening the future, 18th – 21st centuries", SPHERE, Université Paris Diderot, October 24-28, 2016, Paris (http://sawerc.hypotheses.org/conferences/conference-octobre-2016), which concluded the two month workshop on the same topic (http://sawerc.hypotheses.org/workshops/writinghistancmath-septoct16).

(with Emmylou Haffner, Gerhard Heinzmann, Marco Panza and David Rabouin), Conference in honor of Hourya Benis Sinaceur, , ENS Ulm-Paris 1-Panthéon-Sorbonne, June 15-17, 2017, Paris.

(with Kenji Ito), symposium "Historical inquiry & intellectual transmission: How shall we write about how knowledge travels?", 25th International Congress of History of Science and Technology, July 23-29, 2017, Rio de Janeiro.

(with Lorraine Daston, Mark Geller and Glenn Most) "Commentaries for Teaching and Research in Medicine and Mathematical Sciences" Organization of an authors' workshop, Max Planck Institute, August, 1-15, 2017, to prepare the book deriving from the project.

(with Olival Freire and Yves Gingras), Symposium "How the sources of funding can affect the results of research and contribute to the disunity of knowledge", Conference of the European Society for the History of Science September 14-17, 2018, London,.

Member of the Scientific Committee of the "International Conference on Traditional Sciences in Asia 2017: East-West Encounter in the Science of Heaven and Earth", October 25-28, 2017, Kyoto.

(with Matthieu Husson, Agathe Keller, Christine Proust) Conference "Practices of reasoning", SPHERE, Université Paris Diderot, December 4-7, 2017 (http://sawerc.hypotheses.org/conferences/reasoning-2017. The abstracts can be found at: https://f-origin.hypotheses.org/wp-content/blogs.dir/946/files/2017/12/prog-reasoning-dec2017.pdf).

(with Gilles Dowek), one day workshop "Logique et philosophie des sciences : quels présents et quels futurs ?", French National Committee for the History and Philosophy of Science and Technology, June 18, 2018, Paris (http://www.cnfhpst.org/journee-de-reflexion-logique-et-philosophie-des-sciences).

Member of the Scientific Committee of the Conference of the European Society for the History of Science, 14-17 September 2018, London.

 (with Lorraine Daston) Workshop on the epistemological value of simplicity, Max Planck Institute for the History of Science, October 12-13 2018, Berlin.

(with Agathe Keller and Christine Proust), Conference "On cultures of scientific practice in ancient mathematical sciences. Historical and historiographic approaches", SPHERE, Université Paris Diderot, 10-13 April 2019, Paris (https://sawerc.hypotheses.org/conferences/cultures-scientific-practise-april19).

(with Agathe Keller), Conference "H.T. Colebrooke and historiographies of sciences in Sanskrit", SPHERE, Université Paris Diderot, 15-16 April 2019, Paris (https://sawerc.hypotheses.org/conferences/colebrooke).

(with Philip Beeley, Sally Humphreys, Agathe Keller, Yelda Nasifoglu, Benjamin Wardhaugh), Conference "Reading the Classics of Science: historical and anthropological perspectives" (SPHERE, University of Oxford & Maison Française d'Oxford), June, 3-4, 2019, Oxford.

Member of the International Advisory Committee & (with Guo Shirong (Inner Mongolia Normal University) and Zhu Yiwen (Sun Yat-Sen University), Two panels, "The diversity of mathematical practices in East Asia, and their historiography. Panel-1 and Panel-2", 15th International Conference on the History of Science in East Asia (ICHSEA 2019), August 19-23, 2019, Jeonju, Korea.

(with Nina Atanasova, Karine Chemla, Vitaly Pronskikh and Peeter Müürsepp), Symposium for the commission IASCUD "Communication and exchanges among scientific cultures", International Conference of Logic, Methodology and Philosophy of Science and Technology, August 5-10, 2019, Prague.

Co-Chair of the After Kant subcommittee, Biennal conference of the Society HOPOS (History of Philosophy of Science) 2020 (2018-2020), Singapore.

Member of the Scientific Committee of the Conference of the European Society for the History of Science, August 31-September 3, 2020, Bologna. Symposium organized with Adeline Reynaud (4 sessions) on the theme: "Visual and material cultures in the mathematics of the ancient world". Symposium organized for the scientific section DHST-DLMPST (2 sessions) on the theme: "How can the description of visual and material practices contribute to a better understanding of scientific cultures? - 1 Mathematical cultures 2 Scientific Cultures".

3.b Lectures (Last seven years only)

(Invited lecture) "How tacit is tacit knowledge? Or: Looking for sources to approach tacit knowledge", Conference "Explicit versus tacit knowledge in mathematics", organized par J. Peiffer, N. Schappacher, and T. Archibald, January 8-14, 2012, Oberwolfach.

"Tables in ancient Chinese mathematical writings. From textual tables to diagrammatic tables", Workshop "History of Numerical Tables", MPIWG (Department II, L. Daston), March 12-13, 2012, Berlin.

"Contextualizing and Historicizing Generality as an Epistemological Value", Conference "History of modern mathematics II", In honor of Prof. Li Wenlin, May 16-20, 2012, Xi'an.

(Invited lecture) "Observing mathematical practices as a key to mining our sources and conducting conceptual history. Division in ancient China as a Case study", Conference "Rethinking

Science after the Practice Turn", organized by Léna Soler and the team of PratiSciens, June 19-20, 2012, Nancy.

(Plenary lecture) "Rethinking computation: The outline of a research program", Third Young Researchers Days in Logic, Philosophy and History of Science, Belgian Society of Logic and Philosophy of Science, Royal Academy, September 3-4, 2012, Brussels.

"Approaching the scientific work at play in the analysis of standard measuring vessel in ancient China (3rd—7th centuries)", Symposium, Conference of the European Association of Chinese Studies (EACS), September 5-8, 2012, Paris.

(Keynote speaker) "The meaning of parts in mathematical texts. The example of chapters in mathematical writings from ancient China", Conference Mathematical Cultures, September 10-12, 2012, London. Online at: http://www.youtube.com/watch?v=9Vy_Te9aNgk

"Towards a history of the historiography of circulation of knowledge", In IASCUD Symposium "Writing Cultural Identity and Trans-Nationality in the History of Science: Methodological Challenges", European Society for the History of Science, November 1-3, 2012, Athens.

(Keynote speaker) "Practices of abstraction as features of a mathematical culture. Views from ancient China", Conference "Cultures of mathematics and logic", Sun Yatsen University, November 9-12, 2012, Canton.

"Working on and with division in early China", SAW Conference "Cultures of computation and quantification", March 25-29, 2013, Paris.

(with Ma Biao) "Measuring grains in early China", SAW Conference "Cultures of computation and quantification", March 25-29, 2013, Paris.

(Invited lecture) "The composition of commentaries on classics in the light of newly excavated mathematical manuscripts", Conference "Reading the Signs, Language of prognostication in Chinese history", organized in the International Consortium for Research in the Humanities, Friedrich-Alexander Universität, May 30-31, 2013, Erlangen.

(Invited lecture) "Cause et abstraction dans une pratique mathématique de la Chine ancienne", Conference "Liens de causalité. Divination et autres enquêtes sur la nature et les hommes", in honor of Geoffrey Lloyd, EHESS, June 6-7, 2013, Paris.

"Parts in Chinese mathematical texts. Interpreting the chapter form of *The Nine Chapters on Mathematical Procedures*", SAW Conference "Parts and Pieces: an Exploration of the Textuality of Scientific Writings", organized by F. Bretelle-Establet and S. Schmitt, July 3-4, 2013, Paris.

"The diversity of mathematical cultures in ancient China", International Congress of the History of Science, Technology and Medicine, July 24-28, 2013, Manchester.

"Research in the History and Philosophy of Science in France", Conference of the European Society for History of Science, organized by F. Bevilacqua, October 31-November 2, 2013, Florence, Italy.

(Invited lecture) "The use of mathematics in the measurement and management of grains as a means of payment in ancient China", Workshop "Historical Perspectives on Mathematics As a Tool", November 13-15, 2013, ZiF, Bielefeld.

(Plenary lecture) "Eléments d'histoire des pratiques mathématiques et leur impact sur l'historiographie", Congress of the French Society for the History of Science and Technology, April 28-

30, 2014, Lyon. On line: http://www.youtube.com/watch?v=3EuLT3F2zMk, http://www.youtube.com/watch?v=-_u1YahG9-Y, http://www.youtube.com/watch?v=EWZWdC87xNo.

(Plenary lecture, with Daniel Morgan) "Math lessons: Towards an interdisciplinary approach to an early Chinese manuscript culture", Workshop organized conjointly by the Hamburg Center for the Study of Manuscript Cultures and the SAW project, May 8-10, 2014, Hamburg.

"L'histoire des sciences dans la sinologie des débuts du XIXe siècle: Biot père et fils", Conference "Jean-Pierre Abel-Rémusat et ses successeurs. Deux cents ans de sinologie française en France et en Chine / 中法汉学之间两世纪的交流：中法合办法兰西学院雷慕沙讲座两百周年纪念学术研讨会", organized by P. E. Will, Collège de France, June 11-13, 2014, Paris. Online at: http://www.college-de-france.fr/site/pierre-etienne-will/symposium-2014-06-11-17h00.htm.

(Invited lecture) "Mathematical Cultures and the Interpretation of Ancient Texts", American Mathematical Society and Israel Mathematical Union Joint meeting, June 16-19, 2014, Tel Aviv.

(Invited lecture) "Proving and searching for the cause: some reflections inspired by mathematical writings from Ancient China", Invited Presidential panel on proof/justification in mathematics, organized by Janet Folina and Elaine Landry, jointly sponsored by HOPOS and PMA (Philosophy of Mathematics Association), HOPOS, July, 3-6 2014, Ghent.

"Equations as written diagrams and diagrammatic formulas. Mathematical Cultures and the Interpretation of Ancient Texts", International Congress of Mathematicians, August 13-21, 2014, Seoul.

(Plenary lecture) "Transformations of division in early imperial China and their historical significance", Satellite Conference of the International Congress of Mathematicians 2014, "Traditional Mathematics of East Asia and Related Topics", Ochanomizu University, August 25-30, 2014, Tokyo, Japan.

(Plenary lecture) "Prescribing mathematical action: a nanohistorical approach to communication", Congress of the European Society for the History of Science (http://eshs2014.ciuhct.com/programme.html), September 4-6, 2014, Lisbon.

(Invited lecture) "*Measuring the circle on the sea-mirror*: Revisiting the first talk I gave with Jeremy in the audience (CIRM, 1983)", Conference to honor Jeremy Gray, September 11-12, 2014, Milton Keynes.

"Proving and searching for the cause: Reflections inspired by ancient and modern mathematical writings", Conference "Contemporary research in the history of modern mathematics and applications to pedagogy", September 20-24, 2014, Hangzhou.

(Invited lecture) "Writing abstractly in mathematical texts from early imperial China", Conference "Technical Arts and Historical Writing in Early China", organized by Mark Csikszentmihalyi and Michael Nylan, November 6-8, 2014, Berkeley.

(with Li Liang) "Progressions, motions and changes in the astral sciences of ancient China", SAW Conference "Mathematical practices in relation to the astral sciences", March 26-31, 2015, Paris.

"Conjunctions between the sun and the moon, and pursuit problems. Mathematical reasoning in Chinese writings on astral sciences", SAW Conference "Mathematical practices in relation to the astral sciences", March 26-31, 2015, Paris.

Conclusions of the workshop "Case studies in mathematical practices", organized by Ken Manders and Douglas Marshall, SPHERE, Paris, June 29-July 4, 2015.

(Invited lecture) "In which sense can we speak of mathematics and culture in ancient China?", Symposium "Features of Representative Scientific Systems in the History of Science and Their Mutual Influences", Institute of Basic Theory of Traditional Chinese Medicine, China Academy of Chinese Medical Sciences, and Needham Research Institute (NRI), Cambridge, August 15-17, 2015, Beijing.

"Mathematical reasoning and computation in the early astral sciences in Chinese", International Conference on History of Ancient Mathematics and Astronomy. In Memory of Professor Li Jimin (1938-1993). Topic: "Algorithms in the mathematical sciences in the ancient world", Northwest University, August 24 – 27, 2015, Xi'an, China.

(Plenary lecture) "The use of algorithms in early Chinese astral sciences", Ninth Conference of the Society for the History of Mathematics in China, 第九届全国数学史学会年会, Sun Yatsen University, October 10-12, 2015, Canton.

"Comparisons in early historiographies of mathematics in ancient China", Symposium "Historical and theoretical approaches to comparison in the history of ancient science", History of Science Society, November 19-22, 2015, San Francisco.

(Plenary lecture) "Generality as a value in various epistemological cultures", Conference of the HOPOS (History of philosophy of science) Society, Minneapolis, June 23-25, 2016.

(Plenary lecture) "How has one and how could have one approached the diversity of mathematical cultures? », European Congress of Mathematicians, July 18-22, 2016, Berlin. Online at: https://www.youtube.com/watch?v=cK6-T1-muYY

"Values in the historiography of mathematics and the "measure" of "peoples." The case of 19th century historiographies of mathematics in ancient China", Symposium "The power of the historiography of science", organized by Z. Chen, J. Hudecek and M. Schneider, Biannual conference of the European Society for the History of Science, "Science and Power. Science as Power", September 22-24, 2016, Prague.

(Plenary lecture) "Writing the history of ancient mathematics in China and beyond in the 19th century: who? for whom?, and how?", Conference "Making of the Humanities V", Johns Hopkins University, October 5-7, 2016, Baltimore.

Martina Schneider and K. Chemla, "The reception of Wylie's 1852 *Jottings* in 19th century Europe", SAW Conference "Writing histories of ancient mathematics – Reflecting on past practices and opening the future, 18th – 21st centuries", October 24-28, 2016, Paris.

Mizuno Hiromi and K. Chemla, "Mikami Yoshio (1875-1950): From the philosophy of mathematics to cultural history of mathematics", SAW Conference "Writing histories of ancient mathematics – Reflecting on past practices and opening the future, 18th – 21st centuries", October 24-28, 2016, Paris.

(Invited lecture) "Revisiting the use of colors in diagrams from Chinese sources
Song-Yuan writings on equations", Conference "Visual representation in science and technology", National Tsing Hua University, organized by Hsien-chun Wang, Hsiang-ke Chao, Alexei Volkov, November 24-25, 2016, Hsinchu, Taiwan.

(Invited lecture) "The diagram is the proof: The correctness of algorithms in 11th century China", Interdisciplinary Workshop "Tools of Reason: The Practice of Scientific Diagramming from Antiquity to the Present", organized by Paula Findlen, Greg Priest and Silvia De Toffoli, February 10-11, 2017, Stanford Humanities Center.

(Invited lecture) "Positions and computations in China and beyond", Conference for the 60th anniversary of the Institute for the History of Natural Sciences, "China and the World in the Global History of Science and Technology", May 30—June 1, 2017.

(Invited lecture) "Different clusters of text from ancient China, different mathematical ontologies", "Science in the forest, Science in the past: clash of ontologies and problems of translation", Workshop organized by Geoffrey Lloyd (Darwin College, Cambridge), Aparecida Vilaça (Museu Nacional, UFRJ, Brazil), Mauro Almeida (Unicamp, São Paulo), & Manuela Carneiro da Cunha (USP, São Paulo & University of Chicago, USA), Cambridge University, May 31—June 2, 2017.

Contribution at the round table "History and Philosophy of Mathematics in the 19th century", Conference in honor of Hourya Benis Sinaceur, June 15-17, 2017.

(Invited lecture, with Daniel Morgan), "Should headings of sections in *Writings on mathematics* 筭數書 (before *ca.* 186 BCE) be interpreted as a curriculum?", Symposium "Specificities of scientific or scholarly documents as a reflection of curricula", organized by Carlos Goncalves, Christine Proust and Alexei Volkov, 25th International Congress of History of Science and Technology, Rio, July 23-29, 2017. Abstract : https://halshs.archives-ouvertes.fr/halshs-01406453

Commentary on the symposium organized by Angela Creager and Mathias Grote, "Knowledge by the Book: Manuals in the History of Science", 25th International Congress of History of Science and Technology, Rio, July 23-29, 2017.

(with Zhu Yiwen) "Contrasting mathematical commentaries on mathematical canons and on Confucian canons", Workshop "Commentaries on mathematical texts in a comparative perspective", organized by K. Chemla, L. Daston, M. Geller and G. Most, Max Planck Institut für Wissenschaftsgeschichte, August 1-15, 2017.

(Invited lecture) "What is at stake in bridging the history of mathematics and the history of the astral sciences? An approach from the perspective of mathematical practices", Conference for launching the ERC Project ALFA, organized by Matthieu Husson and al., September 27-29, 2017.

(Invited lecture) "Abraham Moles vu d'une perspective d'histoire des sciences", Conference "Abraham Moles, l'école de Strasbourg", Strasbourg University, September 28-29, 2017, online at: https://www.canal-u.tv/video/uds/theorie_des_actes_nouvelles_applications_nouvelles_lectures.37847.

(Featured speaker) "Elements of a history of ideality in mathematics", Midwest PhilMath Workshop (MWPMW 18), University of Notre Dame, October 13-15, 2017.

(Invited lecture) "Algorithms for human beings, algorithms for machines. Views inspired by the chewing of ancient texts", Workshop "The intelligence of algorithms", organized by Lorraine Daston and David Sepkoski, Max Planck Institute, Berlin, October 19-21, 2017.

(Invited lecture) « The Motley Practices of Generality in Various Epistemological Cultures », Hans Rausing Lecture 2017, http://www.idehist.uu.se/office-for-history-of-science/hans-rausing-lectures/hans-rausing-lecture-2017/#Abstract.

"La diversité des cultures : approches et enjeux", Workshop in homage to Simha Arom, "Simha Arom : ethnomusicologie, musicologie et création musicale", Department of Musicology and Analysis, Conservatoire National Supérieur de Musique, February 1st, 2018.

Contribution to the round table "Défendre et promouvoir la démarche scientifique", Conference in homage to Jean-Pierre Kahane, organized by the French Communist Party, April 7, 2018.

(Invited lecture) "Reading and (Re-)Classifying Canonical Instructions of the Past: Commentaries on *The Nine Chapters on Mathematical Procedures* from the 3rd to the 13th Centuries", Conference

"Learning by the book", Princeton University, June 6-10, 2018 (Talk given by teleconference). Text for the Blog of the conference, *History of Knowledge*, 5 June 2018, https://historyofknowledge.net/2018/06/05/reading-and-re-classifying-canonical-instructions-of-the-past-commentaries-on-the-nine-chapters-on-mathematical-procedures-from-the-3rd-to-the-13th-centuries/. All contributions are online at: https://historyofknowledge.net/lbtb/.

(keynote lecture) "Quantities, standards, measurement and computation. Views from mathematical sources from the ancient world", Conference "Measurement at the crossroads", organized by Nadine de Courtenay, Fabien Grégis, and Christine Proust, June 26-29, 2018, University Paris Diderot, https://measurement2018.sciencesconf.org/resource/page/id/3.

(Invited lecture), "Equations, representations and proofs in 13th century China", Workshop "Proofs and Representations", Conference organized by Marianna Antonutti and Dirk Schlimm, Munich Center for mathematical philosophy, July 6-8, 2018.

(Invited lecture) "Needham and the issue of Chinese as a language for science. Taking a linguistic turn materially", Workshop "Joseph Needham : A second look", organized by Dagmar Schaefer and Florence Hsia, Max Planck Institute for the History of Science, August, 3, 2018.

(Invited lecture) "A philological and historical approach to *The Gnomon of the Zhou* (周髀 *Zhou bi*). Mathematical practices in the astral sciences in early imperial China », Biennal Conference of the European Society for the History of Science, September 14-17, 2018, London, Symposium "Stabilities and innovations in the astral sciences: perspectives from Chinese, Sanskrit, Arabic, and Latin sources", organized by Matthieu Husson, Li Liang and A.J. Misra.

(keynote lecture) "Computing with positions, computing with tables in ancient China", Conference in honor of Jean-Paul van Bendegem, for his retirement, September 28-29, 2018, Vrije Universiteit Brussels.

"Simple, easy, economical and simplified: How do the early Chinese canonical literature in mathematics testify to the practice of these values?", workshop on the epistemological value of simplicity, co-organized with Lorraine Daston, October 12-13, 2018, Max Planck Institute for the History of Science.

(Invited lecture) "Comment l'activité mathématique façonne sa langue et ses formes textuelles", Colloque for the opening of the year, Collège de France, October 18-19, 2018, "Langue et science, langage et pensée". Video online at: https://www.college-de-france.fr/site/colloque-2018/symposium-2018-10-19-16h50.htm

(Invited lecture: PAN Shuyuan and Karine Chemla) "The Insertion of Added Material into the Translation of the First Six Books of Euclid's *Elements* into Chinese: a First Approach", Workshop "Euclid on the Road: Cross-Cultural Transmission, Translation and Transformation of the *Elements*", organized by Vincenzo de Risi, MPIWG, Berlin, October 29, 2018.

(Invited lecture) "Shedding light on the emergence of a symbolic notation for and work with polynomials in 13th century China", Conference organized in honor of Ken Manders, on the occasion of his retirement, Pittsburgh University, November 10, 2018.

(Plenary lecture) "Fragments of a history of the concept of ideal. Poncelet and Chasles' reflections on generality in geometry and their impact on Kummer's work with ideal divisors", 29th Novembertagung on the History of Mathematics, "History of mathematical concepts and conceptual history of mathematics", 28-30 November 2018, Sevilla, Spain.

(with Hiromi Mizuno) "D. E. Smith and Mikami Yoshio's *A History of Japanese Mathematics:* An Unequal Cooperation in the Making of the History of Mathematics", Conference "David Eugene Smith and the historiography of mathematics", University Paris Diderot, 9-10 January, 2019.

(Invited lecture) "On Numbers as Formulas", Conference "Philosophy in Mathematics: Purity and Idealization. A Conference in Honor of Mic Detlefsen", organized by Tim Bays, Patricia Blanchette and Curtis Franks, Notre Dame University, March 22-23, 2019. (Talk given by teleconference)

"Mathematical practices with problems in ancient China. Commentaries on the "rule of double false position" (盈不足術) of *The Nine Chapters on Mathematical Procedures* from the 3rd to the 13th Centuries", Conference "Mathematical Cultures: History and Historiography", organized by the SAW group, University Paris Diderot, 10-13 April 2019.

(Invited lecture) "Wu Wenjun's talk at the 1986 International Congress of Mathematicians and the understanding of Qin Jiushao's treatment of the 'Chinese remainder theorem'", International Forum on Mathematics and History of Mathematics, Dedicated to the l00th Birthday of Wen-tsun WU, organized by Ji Zhigang et al., Jiaotong University, Shanghai, May 9-10, 2019.

(Plenary lecture) "Reading diagrams from ancient Chinese mathematical texts: Liu Yi's 劉益 *Discussing the Source of the Ancient (Methods)* 議古根源", Tenth Meeting of the Chinese Society for the History of Mathematics, organized by Ji Zhigang et al., Shanghai, May, 11-12, 2019 (in Chinese).

(Invited lecture) "Performing computations and texts of procedures", Workshop "Performing (with) manuscripts", organized by Matthieu Husson et al., Center for the Study of Manuscript Cultures (Hamburg) and ERC project ALFA-Paris Observatory, May 20-23, 2019.

"The history of reading and the interpretation of a classic: Reading a problem, reading a procedure, reading the organisation in *The Nine Chapters*", Conference "Reading the Classics of Science: historical and anthropological perspectives", organized by SPHERE, University of Oxford & Maison Française d'Oxford, Oxford, June, 3-4, 2019.

(Invited lecture, keynote panel) "Science and philosophy in China", 21st International Conference on Chinese Philosophy, International Society for Chinese Philosophy, 2019 Congress, "Reality, Argumentation, and Persuasion: Metaphysical Explorations and Epistemological Engagements in Chinese Philosophy", organized by Richard King, University of Berne, Institute of Philosophy, Berne, Switzerland, July 2-5, 2019.

(Invited lecture) "Comparing the geometric style and algebraic style of establishing equations in China, 11th-13th centuries", CLMPST Congress, Symposium "Styles in Mathematics", organized by Erick Reck and Georg Schiemer, Prague, August 5-10, 2019.

"Division and Multiplication as opposed processes of computation in Qin Jiushao's *Mathematical Writings in Nine Chapters*", contribution to the symposium organized with Guo Shirong (Inner Mongolia Normal University) and Zhu Yiwen (Sun Yat-Sen University) « The diversity of mathematical practices in East Asia, and their historiography. Panel-1 and Panel-2 », 15th International Conference for the History of East Asian Science (ICHEAS2019), Jeonju, Korea, 19-23 August 2019.

(keynote speaker), "Mathematical cultures in flux and the reshaping of language games. Views from China," European Society for the History of Science, First Young Scholars Conference, "Transcultural knowledge," Paris Observatory, September 10-12, 2019.

(Invited lecture) "Unexpected forms of narrative in mathematical proofs. What is at stake in proofs from third century China?", Workshop "Narrative and Mathematical Argument", organized by Dominic Berry and Mary S. Morgan, London School of Economics, September 28, 2019.

(Invited lecture) "Is looking for standard notations a historiographic trap? A perspective from ancient Chinese sources", Conference "Measuring: Practices, Publics and Politics in doing History of Mathematical Practices", January 23-24, 2020, ETH Zurich.

(Invited lecture) "Reflections on How Practices of comparison in the History of Science have Shaped Geographies of Truths", Workshop of the London Historiography of Philosophy Working Group, organized by Matt Hare, Marie-Louise Krogh and Daniel Whistler, on « *The Geography of Truths: Nations, Territories and the History of Philosophy* », British Society of the History of Philosophy, March 12, 2020.

"From material objects to diagrams. Counting rods in China between the first and the thirteenth centuries CE", Conference of the European Society for the History of Science, August 31-September 3, 2020, Bologna. Symposium organized with Adeline Reynaud on the theme: "Visual and material cultures in the mathematics of the ancient world".

4. Teaching activities

4.a PhD students advised

(jointly advised with JP Benzécri (University Paris VI)) Cheung Yanleung, *Le formulaire géométrique de* Reflets sur les mesures du cercle *de Li Ye par l'analyse des données* (PhD degree from the University Paris VI, Thesis defense: 1985).

(jointly advised with Eberhard Knobloch (Technische Universität, Berlin)) Andréa Eberhard (Bréard), *Re-création d'un concept mathématique dans le discours chinois: Les séries du premier au dix-neuvième siècle* (PhD degree from the University Paris Diderot and the TU Berlin, Thesis defense: September 27, 1997). Prize of the best dissertation awarded by the French Association of Chinese Studies (1999) and Prize of the International Academy of History of Science (1999).

Agathe Keller, *Un commentaire indien du VIIème siècle. Bhaskara et le* Ganitapada *de l'*Aryabhatiya (PhD degree from the University Paris VII, Thesis defense: March 21, 2000).

(jointly advised with Alain Chenciner) Anne Robadey, *Différentes modalités de travail sur le général dans les recherches de Poincaré sur les systèmes dynamiques* (PhD degree from the University Paris VII, Thesis defense: January 2006).

Mizuno Mitsuko, *The works of KŐNIG Dénes (1884–1944) in the domain of mathematical recreations and his treatment of recreational problems in his works of graph theory* (PhD degree from the University Paris VII, Thesis defense: December 3, 2010).

(with Sophie Desrosiers, EHESS) Eric Vandendriessche, *String figures as mathematics? Les jeux de ficelle une activité mathématique?* (PhD degree from the University Paris VII, Thesis defense: December 8, 2010).

Félix Zheng [Zheng Fanglei] *Des* Data *d'Euclide au* De numeris datis *de Jordanus de Nemore* (PhD degree from the University Paris VII, Thesis defense: September 27, 2012).

(jointly advised with Horng Wann-sheng (National Taiwan Normal University)) Charlotte Pollet, *Comparaison des pratiques algébriques de la Chine et de l'Inde médiévales. Comparison of Algebraic Practices in Medieval China and India* (PhD degree from the University Paris VII and National Taiwan Normal University, Thesis defense: November 13, 2012).

CHEN Yifu, *L'étude des Différents Modes de Déplacement des Boules du Boulier et de l'Invention de la Méthode de Multiplication Kongpan Qianchengfa et son Lien avec le Calcul Mental* (PhD degree from the University Paris VII, Thesis defense: December 6, 2013)

(jointly advised with Mic Detlefsen (Notre Dame University)), Emmylou Haffner, *The "Science of Numbers" in action in Richard Dedekind's works: between mathematical explorations and foundational investigations* (PhD degree from the University Paris VII, Thesis defense: December 8, 2014).

Frédéric Jaeck, *Topologie et structures algébriques dans l'histoire de l'analyse fonctionnelle* (PhD degree from the University Paris VII, Thesis defense: December 2015).

(jointly advised with Nalini Balbir (University Paris III)) Catherine Singh, *Mathématiques et cosmologie Jaina. Nombres et algorithmes dans le Ganitasarasamgraha et la Tiloyapannati*, (PhD degree from the University Paris III, Thesis defense: November 9, 2015).

(jointly advised with Jean-Jacques Szceciniarz (University Paris Diderot)), Wang Xiaofei, *The Teaching of Analysis at the École Polytechnique 1795-1809*. (PhD degree from the University Paris VII, Thesis defense: November 29, 2017, degree awarded with the congratulations of the thesis committee).

(jointly advised with TIAN Miao (Chinese Academy of Science)) Zhou Xiaohan, *Elements of Continuity between Mathematical Writings from the Song-Yuan (13th–14th Century) dynasties and the Ming Dynasty (15th Century): Comparing Yang Hui's Mathematical Methods (1261 C.E.) and Wu Jing's Great Compendium (1450 C.E.)* (PhD degree from the University Paris VII, Thesis defense: November 28, 2018).

(jointly advised with Ivahn Smadja (University Paris Diderot)), Nicolas Michel, *Géométrie analytique et géométrie synthétique: Enjeux historiques et épistémologiques d'une distinction plurivalente* (PhD degree from the University Paris Diderot, 2016-).

(jointly advised with Shirley Carter-Thomas (University Paris III)), Edgar Lejeune, *Sur les mutations du travail de l'historien provoquées par l'irruption des moyens électroniques* (PhD degree from the University Paris Diderot, 2016-).

Directrice du mini-mémoire M1 de Yasmine Kadi, sur les rapports entre Chine et Monde Arabe en sciences astrales (2017).
Directrice du mémoire de M2 de Yasmine Kadi sur le *Madkhar* de Kushyar ibn Labban (fin Xe siècle) et sa traduction en chinois fin XIVe siècle (2018-2019).

Paul Ribrag, Master thesis, *La pratique du nombre dans les mathématiques d'Arthur Cayley* (Master degree from the University Paris Diderot, 2018-2019).

Dominique Allard, Master thesis, *La conjecture de Monge et les travaux de ses proches sur la vision des couleurs – 1789-1817* (Master degree from the University of Paris, 2019-2020).

4.b Courses (a sample)

"Mathematical writings as revelatory of textual practices in China: writing up algorithms", Ecole des Hautes Etudes en Sciences Sociales, 1990-1991.

"History of science in Asia", University Paris VII, Lecture course (Master level), 1990-1991, 1991-1992 (with C. Despeux, A. Horiuchi, M. Kalinovski, and G. Métailié).

"The various approaches to algebraic equations and their synthesis", Ecole des Hautes Etudes en Sciences Sociales, 1991-1992.

"History of Arabic mathematics", University Paris VII, Lecture course (Master level), 1992-1993 (with H. Bellosta and P. Abgrall).

"History of mathematics", University Paris VII, Lecture course (Master level), 1993-1994.

"History of mathematics in China", Lecture course (Master level), Technische Universität, Berlin, 1994-1995 ; Sao Paulo University (Brazil), November 1995.

"How to read mathematical texts?", University Paris VII, Lecture course (Master level), 1995-1996, 1996-1997, 1997-1998.

"Non-Western Knowledge", Department of anthropology, University Paris X-Nanterre, Lecture course (Master level), 1997-1998.

"History of algebra", University Paris VII, Lecture course (Master level), 2002-2003.

"Cosmology and sciences in East Asia", INALCO— Universities PARIS III et Paris VII, Lecture course (Master and PhD level) (with Catherine Despeux (INALCO) and Georges Métailié (Koyré Center)).

"Critical Reflections on Algebra—An outlook from Chinese sources", University Paris VII, Lecture course (Master level), 2003-2004.

"History of infinitesimal methods—an outlook from from Chinese texts", University Paris VII, Lecture course (Master level), 2004-2005.

Creation of a course in global history of science for the Master degree, University Paris VII, Lecture course (Master level), 2005-2006, 2006-2007 (with Régis Morelon).

Multidisciplinary European Summer School on Observation, U. Paris 7, September 2009 (Organization with Thomas Coudreau & Giuseppe Leo (Physicists)).

Interdisciplinary course "Methods of observation in various disciplines" for Ph.D. students in all fields (University Paris Diderot) (17-19/3/2010) (Organization with Thomas Coudreau).

Course in methods of history of science (Scientific writings). University Paris VII, Lecture course (Master level), 2009-2010, 2010-2011.

Workshop *La variété des sources mathématiques et la question de leur interprétation*, Summer School in the History of Mathematics, organized by N. Schappacher and S. Gauthier, for the GDR 3398 "Histoire des mathématiques", Centre International de Rencontres Mathématiques, November 4-8 2013 (with Renaud Chorlay and Baptiste Mélès).

"Histoire des mathématiques en Chine des Han aux Yuan », in the context of a lecture course (Master level) "Histoire des sciences en Asie", Master LOPHISS-SC2, responsible of the lecture course: Florence Bretelle-Establet. March 16, 2016 (3 hours), February 1, 2017 (3 hours), February 14, 2018 (3 hours), January 29 janvier, 2019 (3 hours): Title "Cultures mathématiques en Chine, des Han aux Yuan".

"Nombres, opérations, démonstrations: Vues d'Asie", Lecture course on the history of mathematics, Master (2nd year) "Nombres, grandeurs, mesure", Master LOPHISS-SC2, Université Paris Diderot, March 26 mars 2018 (3 hours), February 25 and March 4, 2019 (6 hours). January 20, 2020.

Three-day Masterclass: "Philosophy of mathematical practice", Vrije Universiteit Brussels, Brussels, May 17-19, 2018. 7 hour lectures. 1: Practices of generality in the mathematics of ancient China and beyond. 2: Working with diagrams, interpreting diagrams. Views based on Chinese sources. 3: The practices of abstraction and their interpretations in the mathematics of ancient China (https://www.illc.uva.nl/NewsandEvents/Events/Conferences/newsitem/9674/17---19-May-2018,-Masterclass-in-the-Philosophy-of-Mathematical-Practice-with-Karine-Chemla).

Masterclass for graduate students of the Vossius Center (October 17, 2019), Zeemanstichting and Vossius Center, University of Amsterdam.

5. Service to the Profession

5.a Editorial activities

• 2003-: Editor responsible of the technical terms linked to mathematics in classical Chinese, in C. Harbsmeier (ed.), *Thesaurus Linguae Sinicae* (TLS).

• 1992-: Editor with F. Martin (EPHE) of *Extrême-Orient, Extrême-Occident* (1992-2005). 2005-: Editorial Board.

• 1995-: Member of the Editorial Board of the series "*Science Networks*", created by Hans Wussing et Erwin Hiebert, and now edited by Olivier Darrigol and Eberhard Knobloch, Birkhäuser, and then Springer.

• 1994-: Editor with J. Peiffer and B. Belhoste of *Revue d'histoire des mathématiques* (1998-2001). Editorial Board (1994-98, 2001-04) and then, Reading Committee (2004-).

• 1999-: International Editorial Board of *Taiwanese Journal for the Studies of Science, Technology and Medicine*.

• 2006-: Member of the Editorial Board of *Ganita Bharati*.

• 2007-: Member of the Advisory Board of EASTS. *East Asian Science, Technology and Society: an international journal*.

• 2007-: Member of the Editorial Board of *Zhongguo keji shi zazhi* (*Journal for the history of science and technology in China* 中国科技史杂志), Academia Sinica, Beijing.

• 2007-: Member of the Wissenschaftlicher Beirat of *NTM —Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin*.

• 2008-: Editor of the Series "Histoire des savoirs", Editions Omnisciences.

• 2010-: Member of the Editorial Board of *Ziran kexueshi yanjiu* (*Studies in the History of Natural Sciences* 自然科学史研究), Academia Sinica, Beijing (2010-)

• 2011-: Member of the Editorial Board of *Computability*– The Journal of the Association Computability in Europe.

• 2011-: Member of the Reading Committee of *Etudes chinoises*.

•   2014-:   Member of the Scientific Board of *Studia Historiae Scientiarum* (Polska Akademia Umiejetnosci).

•   2014-:   Member of the Board of Associate Editors for *History of Humanities*.

•   2015-:   Member of the Scientific Board of the "Book Series on Chinese Science and Technology Sources (中国科技典籍选刊)".

•   2015-:   Member of the Scientific Board of the series "Frontiers in History of Science", Birkhäuser (Springer).

•   2016-:   Member of the Editorial Board of *Transversal: International Journal for the Historiography of Science*, https://seer.ufmg.br/index.php/transversal/index.

•   2016-:   Member of the Editorial Board of *Studies on the History of Mathematics*, China (Editor: Guo Shirong).

•   2016-:   Editor, with Agathe Keller and Christine Proust, of the Series "Why The Sciences of the Ancient World Matter" (http://www.springer.com/series/15657), Springer.

•   2017-:   Member of the Editorial Board of the Series *Documents Mathématiques,* Publications of the French Mathematical Society.

•   2017-:   Member of the Editorial Board of the journal *Chinese Annals of the History of Science and Technology* (CAHST).

•   2018:   Member of the Editorial Board of the journal *HOPOS*, the official journal of the International Society for the History of Philosophy of Science.

•   2018-:   Associate editor of the journal *Sciamvs*, which specializes in the publication of primary mathematical sources.

•   2018 -:   Member of the Editorial Board of the journal *Interdisciplinary Science Reviews*.

•   2019 -:   Member of the Editorial review board of the book series "Global Epistemics".

•   2019- :   Member of the Editorial Board of the book series "Logic, Epistemology and the Unity of Science", https://www.springer.com/series/6936?detailsPage=titles.

•   2019- :   Member of the Editorial Board of the book series "Logic, Argumentation and Reasoning. Perspectives from the Humanities and the Social Sciences", https://www.springer.com/series/11547?detailsPage=titles.

5.b Management

Responsibilities

•   1999-2008:   Direction of the research group REHSEIS (CNRS & University Paris Diderot). 1999-2000: Vice-Director. 2001-2008: Director.

•   2001-:   Director of the Doctoral School 400 "Savoirs scientifiques. Epistémologie, Histoire des sciences, Didactique des disciplines",

University Paris Diderot. 2001-2012: Member of the Scientific Council. 2012-2014: Vice-Director. 2014-2018: Director. 2019-: Member of the Scientific Council.

- March-June 2002: Head of an International Project of Advanced Study "History and historiography of mathematical proof in ancient traditions", Columbia University-MSH-REHSEIS.

- 2003-2007: Director of the French Nation-wide Interdisciplinary Program CNRS-Ministry of higher education and research (MESR) "History of knowledge". For a synthesis of the projects funded, and their outcomes: http://www.cnrs.fr/prg/PIR/programmes-termines/histsavoirs/histsavoirs.htm.

- March-July 2008: Head of a project on "Epistemological cultures," Institute of Advanced Study—Paris. Members: Richard Yeo, Fan Fa-Ti, Ito Kenji and Micah Ross.

- 2011-2016: Principal Investigator of the European Research Council Advanced research grant (5 years) for the project "Mathematical Sciences in the Ancient World (SAW)" (with the co-directors: Agathe Keller (CNRS) et Christine Proust (CNRS))

Membership in Committees and Responsibilities in Learned Societies

- 2012-2018: European Society for the History of Science (President Elect, 2012-2014; President, 2014-2016; Vice-President, 2016-2018).

- 2003, 2004: International Academy of the History of Science: Elected auditor of the accounts (2003). Member of the nominating committee for the positions of President and Vice-President (2004). Scrutineer of the vote, with Marco Beretta (2018).

- 1991-: International Commission for the History of Mathematics. Member representing France. 2003-: Member of the Nominating committee for the Kenneth O'May Medal. 2016-2017: Member of the Sub-Committee awarding the Kenneth O'May Prize 2017

- 1997-: Member of the Scientific Council of the Institut des Hautes Etudes Chinoises (Collège de France).

- 1999-: French National Committee for History and Philosophy of Science, Academy of Sciences (1999-: Elected Member. 2000-: Elected Member of the Board of Trustees. 2000-2006: Assistant Secretary General. 2006-2007: Secretary General. 2011-: Elected Chair).

- 2001-: Member of the International Commission of Science and Cultural Diversity (IASCUD) of the Division of History and Philosophy of Science. 2001-: Vice-President. 2005-: General secretary. 2013-: Assessor.

- 2004-: Contribution to the creation of an Inter-University Master degree LOPHISS (Logic, philosophy, history and sociology of science)-University Paris I/Paris IV/Paris VII/ENS Ulm (2004-2005). Member of the Scientific Council (2005-).

- 2008: Elected Member of the Board of Trustees, University Paris Diderot.

- 2009-2013: Member of the Scientific Committee of the Mediterranean Institute of Advanced Study (IMERA).

- 2009-2013: Assistant Secretary General of the Council of the Division of History of Science and Technology (International Union of History and Philosophy of Science, ICSU, 2009-2013).

- 2008-2010, 2011-2014: International Congress of Mathematicians: Member of the panel nominated by the organizing committee to nominate invited lecturers for the section "History of mathematics", Congress Hyderabad, 2010. Chair of the Panel for the Congress in Seoul, 2014.

- 2013: Member of the working group gathering Principal Investigators of ERC projects and members of the Direction of CNRS to improve the management of ERC projects in the CNRS.

- 2016-: Member of the International Advisory Board of the Vossius Center (Amsterdam)

- 2016-2018: Member of the Nominating Committee of the History of Science Society. 2017-2018: chair of the committee.

- 2017-2018: Member of the committee of the Dan David Prize (Dan David Foundation and Tel Aviv University). Resignation.

- 2017-2018: Member of the committee HOPOS (History of Philosophy of Science) in charge of assessing special issues for the Society's journal.

- 2017: Member of the thesis committee for Magali Dessagnes, *La circulation des tablettes cunéiformes mathématiques et la constitution des collections de la fin du XIXe siècle à la première moitié du XXe siècle. Une contribution à l'historiographie des mathématiques mésopotamiennes.* (Defense on January 31, 2017).

- 2017: Member of the habilitation committee for Paul-André Melliès, *Une étude micro-logique de la négation,* Université Paris Diderot (Defense on November 20, 2017).

- 2017: Member of the thesis committee for Wang Xiaofei, *The Teaching of Analysis at the École Polytechnique 1795-1809.* le 29 novembre 2017.

- 2017: Member of the thesis committee for Cédric Vergnerie, *La théorie des caractéristiques dans les Vorlesungen über die Theorie der algebraischen Gleichungen de Kronecker : la fin du "cycle d'idées sturmiennnes" ?,* Université Paris Diderot (Defense on December 2 2017).

- 2018—2020: Co-Chair of the committee for the biennal conference of the Society HOPOS (History of Philosophy of Science) 2020 (chair of the "After Kant subcommittee") (2018-2020).

- 2018: Chair for the thesis committee for Nacera Bensaou, *Takmilat al 'Uyūn d'al-Isfahānī et ses sources : Une histoire des méthodes algorithmiques de résolution des équations cubiques,* Université Paris Diderot (Defense on July 9, 2018).

- 2018-2023: Member of the International Scientific Council of the CIRM (International Center of Mathematical Meetings/Centre International de Rencontres Mathématiques (CNRS, SMF et Aix-Marseille Université)).

Evaluation activities

- Referee reports for journals (*Historia Mathematica, Archives Internationales d'Histoire des Sciences, Tsing Hua Journal of Chinese Studies, Centaurus, Science in context, Isis, Arabic sciences and philosophy, Revue d'histoire des mathématiques*, EASTS, *Histoire, épistémologie, langage, Indian Journal of History of science, Foundations of Science, Ziran kexueshi yanjiu, Sciamvs*, EASTM, *Journal for general philosophy of science, Studies in History and Philosophy of science, Mathematical Intelligencer, Cahiers de Linguistique de l'Asie Orientale, Archive for History of Natural Sciences, History of Humanities, Chinese Annals for History of Science and Technology, British Journal for the History of Science—Themes, Folia Linguistica, South Asian History and Culture*).

- Referee reports for publishers (Birkhäuser, Kluwer, Cambridge University Press, Presses Universitaires de Vincennes, Springer, Oxford University Press, Presses Universitaires de Franche Comté).

- Evaluation for scholarships and positions (Netherlands Organization for Scientific Research (NWO), Wissenschaftskolleg, Dibner Institute for History of Science (MIT), Museum quai de Branly, Rockefeller Foundation, US Committee on Advanced Study in China (National Academy of Sciences), CNRS, Fondation Chiang Ching-kuo, Maison des sciences de l'homme d'Aquitaine, ANR, NSF, U.S. Fullbright Scholar Program, Scientific Council of Strasbourg University, Institut Universitaire de France, Greek Ministry of Research, IUF, Conseil de recherche en sciences humaines, Fonds de Recherche, Société et culture (Québec), Brown University, Northwestern University, Berkeley, Ts'ing-Hua University, Third World Academy of Science, Korean Institute for advanced study KIAS, EURIAS, Washington State University, National Endowment for the Humanities, Max-Planck Institut für Wissenschaftsgeschichte, Israel Science Foundation, University of California at Berkeley, EHESS, Johann Wolfgang Goethe-Universität (member of the committee), Stanford University, University of Texas at Austin), ERC project ALFA, Lausanne University/ École polytechnique fédérale de Lausanne, Aarhus University, Qinghua University (Beijing), for Academia Sinica (Taiwan), University of the Chinese Academy of Science, ICREA programme for hiring researchers in Catalogne, National Sun Yat-Sen University (Taiwan), Indiana University, Indiana University, NWO project (Netherlands), Cohn Institute (Tel Aviv University), Department of Oriental Studies, Faculty of Arts, University of Malta (2020)..

- 1992- 1997: Member of hiring committees for Epistemology and History of Science, University Paris Diderot and CNAM. 1992- 1997: Member as associate professor. 2004-2011: Member as professor.

- 2000: Member of the Evaluation Committee of the Institute of History, Ts'ing-Hua University (Taiwan).

- 2008-2012: Member of the National Committee of CNRS (hiring committee), Section 33 "Early modern and modern history" (2008-2011). 2009: Elected member of the Interdisciplinary Committee 42 "Sciences de la communication" (Resigned in 2010).

- 2013 (17-18 Oct.): Member of the International Assessment Committee of the Institute for the History of Natural Sciences, Beijing, Chinese Academy of Science.

- 2012, 2014, 2016: Member of hiring committees for positions of: Professor in the history and philosophy of life sciences, University Paris Diderot; Professor in modern history, University Paris Diderot; Professor of history and philosophy of science, University Paris Nanterre Paris X.

6. Activities Towards a Broader Audience (a sample)

6.a Publications and editorial activities

Member of the Editorial board of the journal *Préfaces* (six issues per year), Cercle de la Librairie (1987- 1990).

Member of the Editorial board of *Gazette des mathématiciens* (1987-1991, 1997-2000, to launch a section on the history of mathematics).

Scientific Council of the *Encyclopedia Universalis* for their section on mathematics (1997-1999).

Member of the Editorial board of the website "Images des mathématiques", responsible of the section on history of mathematics (2008-2014)

Amy Dahan, Jean-Luc Chabert, K. Chemla (eds.), *Chaos et déterminisme*, Le Seuil, 1992.

K. Chemla, Thomas Coudreau and Giuseppe Leo (eds.), *Observation*: *Pratiques et enjeux*, Omniscience, 2015, 336 p.

After the invited lecture at the International Congress of Mathematicians, 1998: Article in *CNRS Info* n° 371, Feb. 1999 ("Algorithmes et démonstrations en Chine ancienne"), p. 9-10. Followed by an article in *Infoscience* (16-2-99), and interviews for a radio program in Sidney (Australia) (Feb. 16, 1999), and for *Le monde*, *Science et Avenir, Eurêka, Sciences Humaines, Le Point, Le Journal du CNRS* (June 1999). Articles in *Le Nouvel Observateur*, *La Libre Belgique, China News Daily,* and several Chinese and Japanese newspapers.

After the publication of *Les Neuf Chapitres*, echoes in newspapers and beyond: *Sciences et avenir*, Dec. 2004, p. 111. *Les génies de la science,* Supplementary issue of *Pour la science,* Nov. 2004. *Le nouvel observateur,* Dec. 23, 2004, p. 143. *Le Monde*, Jan. 8, 2005, p. 24, *Le Figaro,* March 18, 2005, p. 12. Book of the month in *La Recherche*, May 2005, p. 87. BULLETIN ELECTRONIQUE DE CHINE, 16, Feb. 2005, Scientific office, Beijing. Chinese newspapers: *Quotidien du peuple*, French version (http://french.people.com.cn/Sci-Edu/3585102.html) and Chinese version (http://www.qglt.com/bbs/ReadFile?whichfile=36381&typeid=43), and in the international website of the Chinese news agency Xinhua (http://big5.xinhuanet.com/gate/big5/news.xinhuanet.com/overseas/2005-09/20/content_3516955.htm), in the website of the Chinese Academy of Science (http://www.cas.cn/html/Dir/2005/07/31/2200.htm), and China.org (http://www.china.org.cn/french/187751.htm).

"Les connaissances élaborées en Chine ont vocation d'universalité", Interview for the weekly newspaper *Le Point*, Special issue 13: *Confucius, Lao-tseu, Tchouang-tseu. Les textes fondateurs de la pensée chinoise*, March-April 2007, p. 70-73.

"Il faut sortir d'une vision unique de la science", Interview by J.F. Mondot, for the monthly journal *Les Cahiers Sciences et vie. Numéro spécial Chine. Les inventions qui ont changé le monde*, n° 113, Oct.-Nov. 2009, p. 22-25.

"Les mathématiques sont le fruit d'un métissage", for the monthly journal *Sciences et Avenir*, n° 777, Nov. 2011, Interview by Khalatbari, Azar et Leglu, Dominique, p. 52-55.

"Edouard Biot, ingénieur sinologue de la première moitié du XIXe siècle" and "Histoire des mathématiques en Chine", for the section "Mathématiques et astronomie", http://heritage.bnf.fr/france-chine/homepage, and more precisely, respectively, http://heritage.bnf.fr/france-chine/fr/biot-edouard-article and http://heritage.bnf.fr/france-chine/fr/histoire-mathematiques-chinois-article.

Interview in the form of video, carried out by Antonio Becchi and Montserrat de Pablo, for the 25th anniversary of the Max Planck Institut für Wissenschaftsgeschichte, 31-7-2017. Forthcoming on the website of the Institute.

6.b Radio and TV Programs

Regular participation in the radio program "Archipel Sciences", (to give news about the history of science, 1987, 1989, 1990, 1992, 1993, 1995, 1997, live broadcasts).

Radio programs on France Culture after the publication of the translation of M. Ascher, *Mathématiques d'ailleurs*, with a postface, by K. Chemla and Serge Pahaut (Dec. 5, 1998, "Le Gai Savoir", with G. Gromer ; Jan. 19, 1999, "Archipel Sciences", with Stéphane Deligeorges. Also, with Serge Pahaut, No 1, 1993, on France-Culture: "Ethnomathématiques et histoire des mathématiques".

Radio programs "Cultures d'Islam" by Abdelwahab Meddeb, France-Culture. On my research, Nov. 2002. On the book *Livre d'algèbre et d'al-muqabala*, d'al-Khwarizmi by R. Rashed, Sept. 2008.

TV Program for the Shandong TV Channel (China) on the history of mathematics in China, August 2002.

TV Program for the National TV Channel 10 (China) on *The Nine Chapters*, August 2002.

After the publication of *Les Neuf Chapitres*: Radio Program for Radio France International (RFI), Oct. 2004. Interview in Chinese for RFI, Jan. 27, 2005. Radio Program of the Union Rationaliste, Apr. 24, 2005; in "Continent sciences", Stéphane Deligeorges, France Culture (50 minutes, live broadcast); in the series "Voyages mathématiques", Radio Suisse Romande, Ruth Scheps, August 22 and 24, 2005.

Interview for an online video for teachers, website "CultureMath" (http://www.dma.ens.fr/culturemath/video/html/Chemla.htm), 2006.

Radio Program 3D, Stéphane Paoli, France Inter, "3D", to mark the opening of the exhibition on mathematics at the Cartier Foundation. Public Live broadcast, Nov. 20, 2011.

After the beginning of the ERC project "Mathematical Sciences in the Ancient World (SAW)", Radio program "Autour de la question: 'Pourquoi retourner aux sources des mathématiques ?'", RFI, April 11, 2013, live broadcast. Online video for an exhibition on mathematics at Fermat house, Beaumont Lomagne, 2013 (http://www.youtube.com/watch?v=jmCu-BCGY5E).

Interview for the online journal *Circé*. Questions prepared by Pierre Chaigneau et al. Film produced by: Manon Chaigneau. Edited by: Nicolas Boileau. Video online at: http://www.revue-circe.uvsq.fr/portrait-karine-chemla/, 2016.

After the plenary lecture at the 7th European Congress of Mathematics, Interview for *Paperhive,* 25 juillet 2016, https://magazine.paperhive.org/paperhive-conversations-karine-chemla/

6.c Lectures

Participation in a debate on Arabic Science, Library of the Paris area La Goutte d'or, Apr. 5 2002.

Participation in a debate on "China: mathematics, astronomy and astrology", with Marc Kalinowski (EPHE), Jan. 22, 2004, Library Buffon, Paris, in the context of the events organized by Paris libraries for the China year.

After the publication of *Les Neuf Chapitres*: Oct. 2004, Press Conference on the book, for a Press Conference "CNRS Research on China". Lectures: Oct. 12, 2004, Lyon Public Library; Nancy, Nov. 17, 2005. Oct. 14, 2004, Lecture for pupils, CNRS. Oct. 16, 2004; Science Festival, University Paris VII. Oct. 17, 2004, Cité des Sciences et de l'Industrie, Paris. Nov. 19, 2004, UniverCité Ouverte 2004-2005, Castle of Belleville, Gif-sur-Yvette. Book presented by J.-P. Kahane, at the Académie des sciences, Jan. 18, 2005, and by Léon Vandermeersch at the Académie des Inscriptions et Belles-Lettres, March 3, 2006,. Presentation at the bookstore "Ombres blanches", Toulouse, Mai 14, 2005. Press Conference, July 30, 2005, Beijing, French Cultural Center.

Organisation of a series of lectures on the history of science in China at the Cité des sciences et de l'Industrie, with Annick Audoir and Alain Peyraube, Jan. 5, 2006—Feb. 2, 2006.

Plenary lecture for pupils, Congress Maths-en-jeans, March 24, 2007, "A quoi pourrait ressembler une histoire des mathématiques pour tous?".

Lectures at Universities for Senior Citizens: University Paris VII, 1990, 1991. Besançon, and Lyon, 2007.

Lectures on the history of mathematics at primary schools: 2nd grade, Rue Rampal, Paris, 1999.

Lectures on the history of mathematics in China for secondary schools: Paul Eluard, Saint Denis, 1988. Fernay International Secondary School, Geneva, Switzerland, 1990. Marie Curie, Sceaux, 1994. Jacquart, Paris, Camille Guérin, Poitiers, 2007. Flora Tristan, Noisy le Grand, 1988, 1996, 2008, 2010, 2017. Henri Wallon, Aubervilliers, 2011. Louis Le Grand, 2011, 2012. Is sur Tille, Côte d'Or, 2014. Lecture for pupils in Aarhus, Denmark, 1990. Science Festical, October 2013. Janson de Sailly, June 1, 2018.

Co-organization, avwithec Pascale Cossart, Claude Debru, Etienne Ghys, Jean-Pierre Kahane, then Antoine Danchin, of the "5 to 7 of the history and philosophy of science at the Academy of Science (2014-). First session on gnomons and sundials: https://www.academie-sciences.fr/fr/Colloques-conferences-et-debats-par-et-pour-la-communaute-scientifique/gnomons-et-cadrans-solaires-a-travers-les-ages.html. Session of December 3, 2019: « L'apport du monde arabe à la science »: https://www.academie-sciences.fr/fr/Seances-publiques/5-a-7-apport-sciences-arabes.html

Lecture at the Agora des Savoirs, Montpellier, April 2016: "Quoi de neuf dans les mathématiques de la Chine ancienne ?". Online at: https://www.youtube.com/watch?v=vB6HthmgFpk.

Participation in a round table in Homage to the specialist of the history of Arabic mathematics and sciences Roshdi Rashed, Institute of the Arabic World, May 30, 2018, https://www.imarabe.org/sites/default/files/documents/1.1%20Programme%20Chaire%20d%20l%27IMA%2030%20mai%202018.pdf.

(Invited lecture) "Mathématiques anciennes à l'échelle de la planète", Opening Ceremony for the 2019—2020 Year of Mathematics, in the context of the Eightieth Anniversary of the French National Center for Scientific Research (CNRS), Ministry of Education & CNRS, Large Amphitheater in the Sorbonne, October 2, 2019. https://cache.media.eduscol.education.fr/file/CST/93/2/programme-maths_1183932.pdf, video of the lecture: https://eduscol.education.fr/cid146221/ceremonie-de-lancement-de-l-annee-des-mathematiques-2019-2020.html.