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## Curriculum Vitae Professor Dr Karine Chemla

**Name:** Karine Chemla  
**Date of birth:** 8 February 1957

**Research Priorities:** History of mathematics, chinese mathematics, mathematical cultures, history of algebra, mathematical terminology

Karine Chemla is a French sinologist and mathematics historian. Her research focuses on the history of Chinese mathematics. She investigates the influence of mathematics on world history and the diversity of mathematical cultures. Other topics include the history of algorithms, the history of algebra, and mathematical terminology.

### Academic and Professional Career

2018	Visiting Researcher, Max Planck Institute for the History of Science, Berlin, Germany
since 2010	Visiting Professor, Shanghai Jiao Tong University, Shanghai, China and Hebei North University, Zhangjiakou City, China
since 2005	Visiting Professor, Northwest University, Xi'an, China
since 2001	Director, French National Centre for Scientific Research (CNRS), France
1997 - 2001	Director of Research, CNRS, France
since 1982	Researcher, CNRS, France
1982	PhD in Mathematics, History of Mathematics, Université Sorbonne Paris Nord, Paris, France
1980 - 1981	Research, Chinese Academy of Sciences (CAS), China
1979	MSc in Mathematics, Paris Diderot University (now: Paris Cité University), Paris, France
1978	Agrégation de mathématiques, France

1976 - 1982 Mathematics Studies, Ecole Normale Supérieure de Jeunes Filles, Paris, France

### **Functions in Scientific Societies and Committees**

- 2014 - 2016 President, European Society for the History of Science (ESHS)
- 2013 - 2017 Assessor, Division of History and Philosophy of Science, International Commission of Science and Cultural Diversity (IASCU)
- since 2011 President, Comité national français d'histoire et de philosophie des sciences (CNFHPS), France
- 2009 - 2013 Assistant Secretary General, Division of History of Science and Technology (DHST), International Union Of History and Philosophy (IUHPST)
- 2008 - 2012 Member, Section 33, CNRS, France
- since 2010 Member, Board, Conseil d'Orientation Scientifique et Pédagogique (COSP), Université Sorbonne Paris Cité (PRES), Paris, France
- 2003 - 2007 Director, Interdisciplinary Programme "History of Knowledge", CNRS, France
- since 2001 Member, Division of History and Philosophy of Science, IASCU
- 2001 - 2008 Director, Unité mixte de recherche (UMR), Recherches épistémologiques et historiques sur les sciences exactes et les institutions scientifiques (REHSEIS), CNRS, France
- since 1997 Member, Scientific Advisory Board, Instituts des Hautes Etudes Chinoises – Collège de France, France
- since 1992 Member representing France, International Commission for the History of Mathematics, International Mathematical Union

### **Project Coordination, Membership in Collaborative Research Projects**

- 2011 - 2016 Principal Investigator, Advanced Research Grant "Mathematical Sciences in the Ancient World" (SAW), Seventh Framework Programme (FRP), European Research Council (ERC)
- 2009 - 2013 Member, Project "History of numerical tables", French National Research Agency, France
- 2003 - 2007 Director, National Programme "History of Knowledge", CNRS, France
- 2002 Head, International Project of Advanced Study "History and historiography of mathematical proof in ancient traditions", Maison des Sciences de l'Homme (MSH), REHSEIS, CNRS, France and Columbia University, New York City, USA

## Honours and Awarded Memberships

2021	Hirst Prize, London Mathematical Society, London, UK and British Society for the History of Mathematics, UK
2020	Member, Social Sciences and Humanities Division, European Academy of Sciences
2020	Otto Neugebauer Prize, European Mathematical Society
2019	Honorary Doctorate, Free University of Brussels, Brussels, Belgium
since 2019	Member, American Philosophical Society (APS), USA
since 2013	Member, Academia Europaea
since 2010	Senior Fellow, Institute for the Study of the Ancient World, New York University (NYU), New York City, USA
2010	Fellowship, CAS, China
2008	Silver Medal, CNRS, France
2006	Fellow, Dibner Institute, Massachusetts Institute of Technology (MIT), Cambridge, USA
2006	Prix Hirayama for the book "Les Neuf chapitres. Le classique mathématique de la Chine ancienne et ses commentaries" (together with Guo Shuchun), Académie des Inscriptions et Belles-Lettres, Institut de France, Paris, France
2006	Binoux Prize, Académie des Sciences, France
since 2005	Member, International Academy of the History of Sciences
since 2004	Member, German National Academy of Sciences Leopoldina, Germany
2002	Fellow, Columbia University, New York City, USA
1994 - 1995	Fellow, Wissenschaftskolleg zu Berlin, Berlin, Germany

## Research Priorities

Karine Chemla is a French sinologist and mathematics historian. Her research focuses on the history of Chinese mathematics. She investigates the influence of mathematics on world history and the diversity of mathematical cultures. Other topics include the history of algorithms, the history of algebra, and mathematical terminology.

Karine Chemla researches the history of mathematics and investigates the meaning of mathematical cultures. She analyses text types, investigative methods, epistemological values and the discussions that accompany mathematical work. Building on this, she seeks to understand the correlations between mathematical concepts and these factors. Above all she works with

comparative studies and concentrates on the interpretation of scientific texts. She also researches how the universality of mathematical knowledge has been shaped in specific historical contexts.

She is co-editor of the critical edition of “The Nine Chapters on the Mathematical Art”, a classic of ancient Chinese mathematics and one of the oldest surviving Chinese mathematical texts.

Karine Chemla is a member of the Euler Committee. Swiss-born Leonhard Euler is considered one of the most influential mathematicians. The Committee’s objective is to publish the complete works of Leonhard Euler and it has published a large amount of his writings and correspondence.