

CURRICULUM VITAE
ACADEMIC POSITIONS, LIST OF PUBLICATIONS, FELLOWSHIPS
Updated March 2019

DAGMAR SCHÄFER

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ACADEMIC POSITIONS

Director, Department III, Max Planck Institute for the History of Science, Berlin	04/2013–
Adjunct Professor, Institute of Sinology, Freie Universität Berlin	11/2016–
Guest Professor, Tianjin University	2018–2021
Guest Professor, School of History and Culture of Science, Shanghai Jiao Tong University	07/2016–
Professor h.c., History of Science and Technology, Technische Universität Berlin	07/2015–
Head of Department of East Asian Studies, University of Manchester	01/2012–07/2013
Professor and Chair of Chinese Studies and History of Technology, School for Arts and Languages, University of Manchester	09/2011–07/2015
Director, Confucius Institute Manchester	08/2011–07/2013
Director, Independent Research Group “Concepts and Modalities: Practical Knowledge Transmission” (China, 10th–18th century), Max Planck Institute for the History of Science, Berlin	05/2006–08/2011
Assistant Professor, Department of Chinese Studies, University of Würzburg	04/2005–08/2005

EDUCATION

Habilitation University of Würzburg, Chinese Studies (<i>opus eximium</i>)	2005
Ph.D. Chinese Studies, Japanese Studies, Political Science University of Würzburg (<i>opus eximium</i>)	1996
M.A. Chinese Studies, Japanese Studies, Political Science University of Würzburg (<i>summa cum laude</i>)	1993

AWARDS AND FELLOWSHIPS

Joseph Levenson Book Prize (pre-1900 category) of the Association for Asian Studies <i>The Crafting of the Ten Thousand Things</i>	2013
Pfizer Award of the History of Science Society best scholarly work and outstanding book <i>The Crafting of the 10,000 Things</i>	2012
Award for Excellent and Outstanding International Research Ruchti-Stiftung	2006
Member of the School of Historical Studies, Institute for Advanced Study, Princeton, New Jersey	01/2019–04/2019
Scholarship for Outstanding Scholars Bavarian Ministry of Science	2005–2006
Award for Excellent Research Unterfränkische Gedenkstiftung	1997
Individual Fellowship	09/2005–10/2005

Max Planck Institute for the History of Science	
HWP Scholarship	2003–2004
Bavarian state scholarship for outstanding academics	
German Research Council (DFG) Grant	2001–2004
Dept. of Sinology, University of Würzburg	
Academia Sinica, Research Grant, P.R. China, Beijing	09/2000–11/2002
DFG, Research Grant, Taiwan, <i>Ts'ing-hua</i> -University	03/2002–07/2002
Academia Sinica, Research Grant, P.R. China, Beijing	01/2002–02/2002
Post-Doctoral Fellowship, University of Würzburg	1998–2001
DFG, PhD Scholarship	1994–1996
Academic Exchange Scholarship (DAAD)	1990–1991
P.R. China, National Zhejiang University	
Dept. of Chinese History and Journalism	
University of Würzburg, Exchange Scholarship	1990
P.R. China, National Zhejiang University	

RESEARCH GRANTS

Principal Investigator	08/2018–07/2021
<i>Translation Terroirs – East Asian and European maps between Language, Ritual and Space</i>	
Research team of three, funded by the DFG	
Project Director	2018–2019
<i>Chinese Local Gazetteers: Producing Full Texts and Making Them Open-Access</i>	
Cooperative research project of MPIWG and Harvard-Yenching Library (HYL), funded by the Chiang Ching-kuo Foundation (CCK) Database Grant	

PROFESSIONAL SERVICES

Services to the University

Principal Investigator British Inter-University Centre for Chinese Studies BICC (2012–2013)
 Research Director of the Division for Language-Based Area Studies (2012–08/2013)
 Head of the Department of East Asian Studies (2011–2012)

PhD (principal supervisor)

Qiao Yang: 09/2017 –The Role of Astronomers and Physicians in the Exchange of Scientific
 Knowledge in the Mongol Empire (1206–1368), Mandel School for Advanced Studies –
 Hebrew University of Jerusalem
 Kerstin Pannhorst: 09/2017 –Practices and Conceptions of Nature Surrounding the Collecting and
 Trading of Insects in early 20th century Taiwan, Chair of the History of Science – Humboldt-
 Universität zu Berlin
 Cathleen Paethe: 06/2009 –The Bibliophile Qi Chengye. A Study of Ming Dynastic Book
 Consumption and Production, Co-supervised by Michael Lackner, DFG-Research Fund –
 University of Erlangen
 Jia-ou Song: 2012–2014 –Physical Science in Museums: a Comparative Study between the UK and
 China since 1900, ESRC Grant – University of Manchester
 Johannes Lotze: 2012–14 –In Many Minds: Translators and Interpreters during the Early Ming Era
 (1368–ca. 1450), Presidential Scholarship – University of Manchester

Academic Memberships

British Society for the History of Science (BSHS)
 History of Science Society (HSS)
 Society for the History of Technology (SHOT)
 Association for Asian Studies (AAS)
 Alexander von Humboldt Stiftung (AvH)

Deutsche Vereinigung für Chinastudien (DVCS)
 Gesellschaft für Technikgeschichte (GTG)
 Gesellschaft für Deutsch-Chinesische Freundschaft (GDCF)
 German-Israeli Frontiers of Humanities Symposium (GISFOH)
 Appointed/Selected member of the German-Israeli Frontiers of Humanities Symposium (GISFOH) “*On the Move: People, Ideas, and Artifacts.*” Kibbutz Tzuba, Israel (12/2009)

Partnerships and Cooperations

Supervisor of Partner Group of the Chinese Academy of Science (CAS) and the Max Planck Society (MPG) at the Institute of the History of Natural Science (IHNS), Beijing, China (inaugurated September 2007)
 Principal Investigator in joint research project cooperation between the Max Planck Institute for the History of Science (MPIWG) and the Palace Museum (PM) in Beijing, China (agreed December 2007, renewed 2011)

EDITORIAL POSITIONS

Editor in Chief, <i>Transfers. Interdisciplinary Journal of Mobility Studies</i>	2018–
Steering Committee, <i>China Biographical Database (CBDB) at Harvard</i>	2017–
Guest Editor, <i>Crossroads: An Interdisciplinary Journal of Southeast Asian Studies</i> , special issue <i>History of Science and Technology across the Silk Roads</i> , Leiden: Brill	2017–
Editorial Board, <i>Ambix</i>	2017–
Editorial Board, <i>Osiris</i>	2016–
Editorial Board, <i>Transversal: International Journal for the Historiography of Science</i>	2016–
Senior Advisory Board, <i>Journal for East Asian Science, Technology, Medicine (EASTM)</i> , Leiden: Brill	2019–2021
Series Editor (with Benjamin Elman and Kim-Yunk Sik), <i>Science and Religion in East Asia</i> ,	2015–
International Committee, <i>Artefacts</i>	2014–
Series Editorial Board, <i>Edition Open Access (MPIWG)</i>	2013–

MONOGRAPHS

The Crafting of the 10,000 Things: Knowledge and Technology in 17th-Century China, (Chicago: The University of Chicago Press, 2011). Translated into Chinese as: *Gong kai wan wu : 17 shi ji Zhongguo de zhi shi yu ji shu 工开万物: 17 世纪中国的知识与技术* (Jiangsu ren min chu ban she 江苏人民出版社: Nanjing 南京, 2015).

Weaving an Economic Pattern in Ming Times (1368–1644): The Production of Silk Weaves in the State-Owned Silk Workshops, co-authored with Dieter Kuhn (Heidelberg: edition forum, 2002).

Des Kaisers seidene Kleider. Staatliche Seidenmanufakturen in der Ming-Zeit (1368–1644) [Silk Cloth for the Emperor: State-owned Silk-Workshops during the Ming Dynasty (1368–1644)] (Heidelberg: edition forum, 1998).

EDITED VOLUMES AND SPECIAL ISSUES

Animals through Chinese History: Earliest Times to 1911. Co-edited with Roel Sterckx & Martina Siebert (Cambridge University Press, 2018).

Threads of Global Desire. With Giorgio Riello & Luca Mola (Boydell & Brewer, 2018)

“Knowledge Spheres: Borderlines and Intersections of Expertise and Knowing in China, Song to Qing,” Special issue, *EASTM* 38/39 (2014), collaboration of the Independent Research Group D. Schaefer, MPIWG Berlin, and the Research Group Sun Xiaochun, Institute for the History of Science, Chinese Academy of Sciences.

Rice: Global Networks and New Histories. Co-edited with Francesca Bray, Peter Coclanis, Edda Fields-Black (Cambridge University Press, 2015).

Globalisierung und Transnationaler Techniktransfer. With Marcus Popplow, special issue for *Technikgeschichte* 80, 2013.

ARTICLES AND CHAPTERS IN BOOKS

- “History of Science, Technology, and Medicine: a second look at Joseph Needham,” with Florence Hsia. *Isis* 110.1 (2019): 94–99.
- “Introduction: Knowing Animals in China’s History,” with Martina Siebert and Roel Sterckx. In *Animals through Chinese History: Earliest Times to 1911*, edited by Dagmar Schäfer, Martina Siebert, and Roel Sterckx, 1–19. Cambridge University Press, 2018.
- “Great Plans: Song Dynastic (960–1279) Institutions for Human and Veterinary Healthcare,” with Han Yi. In *Animals through Chinese History: Earliest Times to 1911*, edited by Dagmar Schäfer, Martina Siebert, and Roel Sterckx, 160–180. Cambridge University Press, 2018.
- “Unpacking the Chinese Library.” In *Bibliotechnica: Humanist Practice in Digital Times*, edited by John Tresch, 117–143. Fondazione Giorgio Cini, 2018.
- “Kranzberg’s Fifth Law.” *technologystories.org* (SHOT), available at <https://www.technologystories.org/fifth-and-fourth-laws>, 2018.
- “Drunken Talk: Political Discourse and Alcohol Consumption During the Northern Song Dynasty (960–1127 CE).” In *Reading the Signs: Philology, History, Prognostication; Festschrift for Michael Lackner*, edited by I. Amelung and J. Kurtz, 303–316. München: Iudicum, 2018.
- “10000 Dinge – Modelle und Technologie im China der Ming (1369–1645)- und Qing (1645–1912)-Periode.” In *Wissensaustausch und Modernisierungsprozesse zwischen Europa, Japan und China*, edited by C. Eberspracher, A. Labisch, and Li Xuetao, 113–126. Halle: Leopoldina, 2018.
- “Editorial: Mobility Studies, a Transdisciplinary Field.” *Transfers*, 8.1 (2018): VII-X.
- “Translation History, Knowledge and Nation Building in China.” In *The Routledge Handbook of Translation and Culture*, edited by S.-A. Harding and O. Carbonell Cortes, 134–153. New York: Routledge, 2018.
- “The Historical Roots of Modern Bridges: China’s Engineers as Global Actors.” In *Technology and Globalisation: Networks of Experts in World History*, edited by Lino Camprubi and David Pretel, 27–40. London: palgrave macmillan, 2018.
- “Introduction: Silk in the Pre-Modern World,” with Giorgio Riello and Luca Molà. In *Threads of Global Desire*, edited by Giorgio Riello and Luca Mola, 1–18. Suffolk: Boydell & Brewer, 2018.
- “Power and Silk: The Central State and Localities in State-owned Manufacture During the Ming Reign (1368–1644).” In *Threads of Global Desire*, edited by Giorgio Riello and Luca Mola, 21–48. Suffolk: Boydell & Brewer, 2018.
- “China und Japan.” In *Handbuch Wissenschaftsgeschichte*, edited by M. Sommer, S. Müller-Wille, and C. Reinhardt, 166–177. Stuttgart: Metzler, 2017.
- “Interpreting the Collection and Display of Contemporary Science in Chinese Museums as a Reflection of Science in Society,” with Song, J.-O. In *Challenging Collections: Approaches to the Heritage of recent Science and Technology*, edited by A. Boyle and J.-G. Hagmann, 88–102. Washington, D.C.: Smithsonian Institution Scholarly Press, 2017.
- “Thinking in Many Tongues: Language(s) & Late Imperial China’s Science.” *Isis—A Journal of the History of Science Society*, 108.3 (2017): 621–28.
- “Science in the Medieval East.” In *Oxford Illustrated History of Science*, edited by Iwan Rhys Moreus, 108–142. Oxford University Press, 2017.
- “Knowledge by Design – Architecture and Jade Models During the Qianlong 乾隆 Reign (1735–1796).” In *The Structures of Practical Knowledge*, edited by Matteo Valleriani, 271–286. Cham: Springer, 2017.
- “Compiling a Database on Historical China from Local Records: the Local Gazetteers Project at MPIWG,” with Chen, S.-P., Hong, Z., Siebert, M., & Urzúa, J. In *Digital Humanities 2016: conference abstracts*; Kraków 11–16 July 2016, edited by Maciej Eder and Jan Rybicki, 453–455. Kraków: Jagiellonian University & Pedagogical University, 2016.
- “Books for Sustenance and Life: Bibliophile Practices and Skills in the Late Ming and Qi Chenghan’s Library Dansheng tang,” with Cathleen Paethe. In *Transforming Book Culture in China, 1600–2016*, vol.6 of *Kodex – Jahrbuch der Internationalen Buchwissenschaftlichen Gesellschaft*, edited by Daria Berg & Giorgia Strafella, 19–47. Wiesbaden: Harrasowitz, 2016.

- “Techniques et territoires en Asie orientale,” with Aleksandra Kobiljski. In *Histoire des Techniques, Mondes, Sociétés, Cultures (XVI^e–XVIII^e Siècle)*, edited by Guillaume Carnino, Liliane Hilaire-Perez, & Aleksandra Kobiljski, 25–50. Paris: puf (Nouvelle cléo), 2016.
- “Culture et technique,” with Marie Thébaud-Sorger. In *Histoire des Techniques, Mondes, Sociétés, Cultures (XVI^e–XVIII^e Siècle)*, edited by Guillaume Carnino, Liliane Hilaire-Perez, & Aleksandra Kobiljski, 369–94. Paris: puf (Nouvelle cléo), 2016.
- “Technology and Innovation within Expanding Webs of Exchange,” with Marcus Popplow. In *Expanding Webs of Exchange and Conflict 500CE–1500CE*, vol.5 of *The Cambridge World History*, edited by B. Kedar & M. Wiesner-Hanks, 309–338. New York: Cambridge University Press 2015.
- “Patterns of Design in Qing-China and Britain During the Seventeenth and Eighteenth Centuries.” In *Goods from the East, 1600–1800. Trading Eurasia*, edited by Maxine Berg. Houndmills, Basingstoke: Palgrave Macmillan: 107–18, 2015.
- “Knowledge Spheres: Borderlines and Intersections of Expertise and Knowing in China, Song to Qing,” with Xiaochun Sun, *EASTM*, 38 (2014): 9–16.
- “Media and Migration: Qing Imperial Approaches to Technological Knowledge Circulation.” In *Space and Location in the Circulation of Knowledge (1400–1800). Korea and Beyond*, edited by Marion Eggert, Felix Siegmund, and Dennis Würthner, 87–118. Frankfurt a. M., Berlin, et al.: Peter Lang, 2014.
- “Peripheral Matters: Salvage/Chef-de-piece Inscriptions on Chinese Silk Textiles.” *UC Davis Law Review*, 47.2 (2013): 705–33.
- “Globalisierung, Kulturvergleich und Transnationaler Techniktransfer als Herausforderung für die Technikgeschichte,” with Marcus Popplow. *Technikgeschichte* 80.1 (2013): 3–11.
- “Formen und Funktionen von Verschriftlichung im flossischen China: Objekte und funktionale Inschriften während der Ming Dynastie (1368–1645).” In *Natur – Religion – Medien, Transformationen frühneuzeitlichen Wissens*, edited by Thorsten Burkard, Markus Hundt, and Steffen Martus et al., 355–70. Berlin: Akademie Verlag, 2013.
- “Technology and Innovation in Global History and in the History of the Global.” In *Writing the History of the Global, Challenges for the Twenty-First Century*, edited by Maxine Berg, 147–64. British Academy of Science, Oxford: Oxford University Press, 2013.
- “Objekt-Kultur und Kulturobjekt: Inschriften als Quelle für die Untersuchung globaler und lokaler Strukturen im Waren- und Wissensmanagement während der späten Ming-Zeit (16./17. Jahrhundert).” In *Spuren der Avantgarde: Theatrum Oeconomicum*, edited by H. Schramm, J. Lazardig, & V. Tkaczyk. Berlin and New York: Walter de Gruyter Verlag, 2013.
- “Silken Strands: Making Technology Work in China.” In *Cultures of Knowledge: Technology in Chinese History*, edited by Dagmar Schäfer, 45–74. Leiden: Brill, 2012.
- “Inscribing the Artifact and Inspiring Trust: The Changing Role of Markings in the Ming Era.” *East Asian Science, Technology and Society: An International Journal*, 5 (2011): 239–65.
- “Technologie und Innovation im vormodernen China: Ein historischer Überblick.” *Ferrum*, 82 (2010): 15–24.
- “Staunen und Forschen in wunderlichen Welten.” In *Wunderforschung: Ein Experiment von Kindern, Wissenschaftlern und Künstlern*, edited by K. Bödeker and C. Hammer, 118–21. Berlin: Nicolai-Verlag, 2010.
- “Ganying – Resonance in Seventeenth-century China: The Examples of Wang Fuzhi (1609–1696) and Song Yingxing (1589–ca. 1666).” In *Variantology 3: On Deep Time Relations of Arts, Sciences and Technologies in China and Elsewhere*, edited by Siegfried Zielinski and Eckhard Füllus, 225–54. Köln: König, 2008.
- “Matteo Ricci, der gelehrte Missionar.” *Spektrum der Wissenschaft* 9 (September 2006): 88–97.
- “Der Außenstehende: Song Yingxing (1587–1666?).” In *Kritik im alten und modernen China*, edited by Heiner Roetz, 165–78. Wiesbaden: Harrasowitz, 2006.
- “The Congruence of Knowledge and Action: The Tiangong kaiwu and its Author Song Yingxing.” In *Chinese Handicraft Regulations of the Qing Dynasty: Theory and Application*, edited by Christine Moll-Murata, Song Jianze, and Hans Ulrich Vogel, 35–60. München: Iudicum, 2005.

“Song Yingxing (1587–1666?)—A Technical Author?” *Tsing-hua ta-hsüeh lun-wen fa-piao* 4 (2002): 1–31.

“Die Legitimation der Beamten in der Song-Dynastie.” In *Beamtentum und Wirtschaftspolitik in der Song-Dynastie*, edited by Dieter Kuhn, 78–172. Heidelberg: Edition Forum, 1995.

BOOK REVIEWS

China's Transition to Modernity: The New Classical Vision of Dai Zhen, by Minghui Hu, Seattle and London: University of Washington Press, 2015. *Harvard Journal of Asiatic Studies*, 78.1 (June 2018): 224–230.

Looking at it from Asia: The Processes that Shaped the Sources of History of Science, by Florence Bretelle-Establet (ed.), Dordrecht et al.: Springer (Boston Studies in the Philosophy of Science; 265), 2010. *EASTM*, 35 (2012): 178–184.

Science between Europe and Asia: Historical Studies on the Transmission, Adoption and Adaptation of Knowledge, by Feza Günergun and Dhruv Raina (eds.), Dordrecht: Springer-Verlag, 2011. *ISIS* 103.3 (2012): 624–25.

Science and Civilisation in China, vol. 7: *The Social Background, Part 2, General Conclusions and Reflections*, by Joseph Needham, edited by Kenneth Girdwood Robinson, Cambridge University Press, 2004. *EASTM*, 33 (2011): 121–27.

“Historical Perspectives on Chinese Metallurgy,” review article of *Science and Civilisation in China*, vol. 5: *Chemistry and Chemical Technology, Part 11: Ferrous Metallurgy* by Joseph Needham, edited by Donald B. Wagner, Cambridge University Press, 2008. *Metascience*, 19.3 (November 2010): 479–82.

On Their Own Terms: Science in China, 1550–1900, by Benjamin A. Elman, Harvard University Press, 2005. *Harvard Journal of Asiatic Studies*, 67.2 (2007): 468–75.

Erschließung der himmlischen Schätze [Tiangong Kaiwu / The Exploitation of the Works of Nature], by Song Yingxing (1587–1666), translated from Classical Chinese by Konrad Herrmann, Wirtschaftsverlag NW, Verlag für Neue Wissenschaft, 2004. *Hefte für Ostasiatische Literatur* 38 (2005): 125–27.

INVITED TALKS AND CONFERENCES

“Politics and Scientific Change in Dynastic China” Hong Kong University, Hong Kong, 20/03/18

“Eurasian Modes of Communication: Studying Material and Visual cultures of the heavens in Europe, Asia and Africa,” Panel: “Empires, Exchange and Civilizational Connectivity in Eurasia” *ENIUGH, Fifth European Congress on World and Global History "Ruptures, Empires, Revolutions"*, Budapest, September 2, 2017.

“The Nominal Group – Things in Ming-Chinese Local Gazeteers (Difangzhi),” Technische Universität Darmstadt, Germany, June 16, 2017.

Keynote address: “Politics and Scientific Change in Dynastic China,” at “Knowing Nature: The Changing Foundations of Environmental Knowledge,” Renmin University, Beijing, China, May 25, 2017.

“Dynastic Knowledge and the Knowledge of Dynasties: Politics and the History of Scientific Change in China,” Columbia University, New York, USA, April 03, 2017.

“A Cosmos of Silkworms: Textils and Knowledge Of Nature From 12th–14th Century China,” Princeton University, USA, March 30, 2017.

“For Substance or Health: Medical Substances for Animals in Fifteenth-Century Ming Dynasty,” The University of Warwick, Coventry, England, February 21, 2017.

Chair of Round Table: “Science and Technology in Global History: The Development of an Interdisciplinary Research Agenda,” The University of Warwick, Coventry, England, February 21, 2017.

PG Masterclass: “Comparative History: Language and Matter in Global Studies of Technology and Innovation,” The University of Warwick, Coventry, England, February 21, 2017.

“Ming China Disintegrated. The Chances and Pitfalls of the Global View,” European University Institute, Florence, Italy, February 06, 2017.

“A Cosmos of Silkworms: Textils and Knowledge Of Nature From 12th-14th Century China,” University of Erfurt, Erfurt, Germany, January 26, 2017.

- “Local Gazetteers and named entities recognition. Grand corpora of Classical Chinese,” University of Leipzig, Germany, January 12, 2017.
- “Concepts, Values, Machines or Groups: The Language and Matter of Comparison in the Fissiparous Discipline of the History of Science,” MPI-MMG Göttingen, Germany 08-09/04/2016.
- “Größer, besser, länger: Langzeitplanung und Sofortmaßnahmen der Ming Dynastie im Jahr 1435,” Freie Universität Berlin, Germany, November 24, 2015.
- “Technik und Erkenntnis: Oder warum Organisieren Wissen schaf(f)t“ joint annual meeting of the GWG DGMNT on the subject of “Praktisches Wissen,” TU Berlin, Germany, September 26, 2015.
- Discussant: “Cross-currents and Intersections: EAHSTM's Place and Role in the Scholarly Field Today,” *International Conference on the History of Science in East Asia (ICHSEA)*, Paris, France, July 09, 2015.
- “Visualizations of Heaven,” *International Conference on the History of Science in East Asia (ICHSEA)*, Paris, France, July, 06 2015.
- “Value and Meaning in Exchange for Cloth. A Yuan Approach,” Hebrew University of Jerusalem, June 10, 2015.
- “Organisation und Wissen-Schaffen: Ideen zu natürlichen und gesellschaftlichen Ordnungsprinzipien im China des 17. Jhs., von Huang Zongxi,” Deutsches Museum Montagskolloquium, München, June 22, 2015.
- “Gifts of Grace: Materiality and Knowing in the History of Science,” University of Cologne, Germany, May 15, 2015.
- “Fermentation, Distillation and the History of Science,” Universität Salzburg, May 11, 2015.
- “Das ethische Produkt, oder wie man im China der Ming-Zeit (1368–1645) Moral in Material übersetzte,” GTG Conference, Potsdam, Germany, May 08, 2015.
- “Networks: Textile Arts and Textility in a Transcultural Perspective (4th–17th century),” *Silk: The Worm and the Fibre*, Humboldt University of Berlin, January 30, 2015.
- Science Studies Colloquium Series, *Moments of Decision in the Making of Science: A Ming Dynastic View*, Oslo, Norway, January 28, 2015.
- Colloquium of Prof. S. Conrad, *Technologie und Innovation in der Globalgeschichte*, Freie Universität Berlin, January 19, 2015.
- Institute’s Colloquium of the Max Planck Institute for European Legal History, *Das ethische Produkt, oder wie man Moral in Materie übersetzt. Regeln für Herrscher von Qiu Jun (1421–1495)*, Frankfurt, Germany, December 16, 2014.
- Conference Artefacts - Knowledge - Tools: On Material Cultures of Translation, *Concepts of capability in Ming and Qing scholarly and bureaucratic literature*, Völkerkundemuseum Zurich, Switzerland, November 07, 2014.
- Chair of Roundtable: Conference *The Making of Useful Knowledge*, Center for the History of Knowledge, Berlin, October 30, 2014.
- “Transgressing Difference, Neue Ansätze in der Erforschung von Wissenskulturen,” *Planning, Organization and Management: Moments of Decision in Knowledge Making*, Vienna, Austria, October 09, 2014.
- “Wissenstransfer und Modernisierungsprozesse zwischen Europa und Ostasien,” *10.000 Dinge – Technologie im China des 17. Jahrhunderts*, Wissenschaftshistorische Seminare Leopoldina, Halle, Germany, October 07, 2014.
- “Quality Counts: Ming State-Owned Manufactures for Silk,” *European Court and State Manufactures in a Global Perspective, 1400–1800*, EUI, Badia Fiesolana, Sala del Capitolo, Italy, September 23, 2014.
- “Moving Asia on the Move,” with Stephanie Ponsavady, Panel: “Frontiers of Mobility Studies: A Transfers Perspective,” *SPINOFFS OF MOBILITY: Technology, Risk & Innovation*, Philadelphia, USA, September 21, 2014.
- “Local Monographs as an Asian Genre and the Effects of Digitization on Archaeology, Museology and Texts,” Conference *BIBLIOTECHNICA, Digital Arts, Philology, and Knowledge Worlds*, San Giorgio, Italy, September 10, 2014.
- “Qing Dynastic Tools of the Trade,” Panel: “Sails, Maps, Metals, and Minerals: Comparing Knowledge System in China and Europe, c. 1200–1900,” Paris, *EUNIGH Conference*, September 05, 2014.

- Panel: "States and Manufactures in a Global and Comparative Perspective, 1400–1800," Commentator, *ENUIGH Conference*, Paris, France, September 05, 2014.
- "Planning for Crafts: The Lure of Imitating the Past during Yongzhengs Reign," *Iteration and/as Transformation of Knowledge*, Berlin, Berlin-Brandenburgische Akademie Conference, July 04, 2014.
- "Drei Dimensionen von Modellen: Gelehrtentum und Staatswesen im China des 17. Jahrhunderts," *Europa in Globaler Perspektive*, Berlin-Brandenburgische Akademie der Wissenschaften, Germany, July 03, 2014.
- "Dark Lights, Bright Sites: Historical Research on Science, Technology and Medicine in East Asia" *Studies of Knowledge in Eurasia and Africa: Issues of Methodology and Future Perspectives*, MPIWG Conference, Berlin, Germany, June 30, 2014.
- "Identities or Methods: How to Discuss the Historical Dynamics of Scientific Knowledge Development," *Conference on the Future of World and Global History*, Warwick, U.K., May 23, 2014.
- "Näherungsweise Wissenschaften: Ideen zu Wissen und Handeln im Ming-zeitlichen 17. Jahrhundert," Hannover, Institut für Philosophie/ZEWW, Germany, April 22, 2014.
- "Things (*wu*) and Material Complexities in Seventeenth-Century Chinese State and Market Economies," MPIWG, Berlin, March 14, 2014.
- "Produktion und Verbreitung technologischen Wissens in China," Freie Universität Berlin, Germany, January 31, 2014.
- "Classified by Locality: About the Origin and Identity of Matter and Things," *Materialität und kultureller Transfer – Epistemische Verflechtungen in der Erzeugung globalen Wissens*, TU Dresden, January 24, 2014.
- "Wissen und Handeln: Chinas wildes 17. Jahrhundert," Humboldt-Universität zu Berlin, 21/01/2014.
- "Complex Materialities: Silk Manufacture and the Notion of Standards in the Ming Era (1368–1644)," Tel Aviv University, Israel, January 07, 2014.
- "Elusive Systems: Knowledge in this Era from the Perspective of a Historian of China" at the Conference *Knowledge in this Era: Historical Perspectives, Contemporary Challenges and the Future of Higher Education*, Tel Aviv University, Israel, January 05–06, 2014.
- "Organisation and Skills in Qing Crafts," *Science and Religion in East Asia: The Second Templeton Conference*, Seoul National University, South Korea, December 12, 2013.
- "Copies and Artefact Reproduction in Qing-China during the 17th and 18th Century. A Role for Books," invited paper delivered at the conference *The Production and Circulation of Printed Books in the Occident and Orient, from the Accession of the Tang Dynasty (c. 618) to the First Industrial Revolution*, London, British Academy, February 14–15, 2013.
- "Pattern Books in Qing-China and Britain during the 17th and 18th century," paper presented at the conference *Goods from the East: trading Eurasia 1600–1830*, Palazzo Pesaro-Papafava, Venice, University of Warwick, January 11–13, 2013.
- "Three Dimensions. Design and State Planning in the Qing Era," invited lecture given at the V&A Museum, History of Design and Material Culture, Research Seminar, London, U.K., November 08, 2012.
- "Models, Sketches, Artefacts during the Qing Era, paper presented in the panel Global Phenomena and Local Specificities: Conduits between Scientifically-Minded Elites and Holders of Artisanal Knowledge between the East and the West," on the occasion of the *5th Conference of the European Society for the History of Science (ESHS)*, Athens, Greece, November 01–03, 2012.
- "Peripheral Matters: Selva Incriptions on Chinese Silk Textiles," Invited lecture delivered at the Conference *Brand New World: Distinguishing Oneself in the Global Flow*, UC Davis Law Review Symposium, Sponsored by Google: Brand New World, October 04–05, 2012.
- "Innovation Made in China. Historical and Contemporary Views," invited lecture, CASA ASIA, Ramón Areces Foundation, Madrid, Spain, October 01, 2012.
- "Brands and Property in Ming China," paper in the session "From Guild Marks to the Made, in... : Marks of Origin and Country Branding in the Global Economy (15th–20th centuries)," at the *XVITH World Economie History Congress*, Stellenbosch, South Africa, July 09–13, 2012.
- "One Cow per Plow: Husbandry and Resource Competition during the Song Era," paper presented in collaboration with Han Yi at the *11th Annual Conference on Asian Studies*, Israel, May 22–23, 2012.

- “Samples, Sketches and Scaled Models at the Qing Court,” paper presented at the Conference *From Qing to China: Rethinking the Interplay of Tradition and Modernity*, Tel Aviv, Israel, May 20–22, 2012.
- “Technology by Design: Planning Arts and Crafts in the Qing Era,” invited talk at the Symposium *Approaching Art and Design from Asia: Questions of Method, Between Art and Design*, organized by Angus Lockyer, SOAS, London, U.K., March 03, 2012.
- “Drawings and Sketches at the Qing Court,” invited guest lecture at the conference *Sincere Hand and Faithful Eye (Kognitive Praxen in naturwissenschaftlichen Texten des 17. und 18. Jahrhunderts)*, Jena, Germany, March 02–03, 2012.
- “Precious Litter: Qing Imperial Craft Production and Intangible Cultural Heritage,” invited talk, *Museum of the University of Manchester*, October 26, 2011.
- Die Stadt in der Yuan- und Ming-Zeit. Lebensraum und Verwaltungseinheit*, Colloquium of the TU Berlin and MPIWG on the subject of *Stadtmauern: Chance der Stadterneuerung und Objekt der Denkmalpflege: Erfahrungen in China und Mitteleuropa*, TU Berlin, Germany, September 14, 2011.
- “Multimedia Culture: Tao Zongyi Writes about Practical Knowledge and Material Culture,” workshop on “The Mongols & the Ming: New Approaches to the Fourteenth Century,” University of Warwick, June 2011.
- “Media and Migration: Qing Imperial Approaches to Technological Knowledge Circulation,” AKS/RUB International Conference *Social Networks and Location in the Circulation of Knowledge*, Ruhr-University Bochum, Germany, May 2011.
- “Crafts of the Empire: Means and Methods of Circulating Practical Know-How in Qing (17th/18th century) China,” Panel: “Circulation of Knowledge in the Early Modern World,” *ENIUGH* Conference, London, U.K., April 2011.
- “Administrative and Colonial Practices in Qing-Ruled China – Lifanyuan and Libu revisited,” workshop at the conference *Technological Knowledge Circulation during the Qing and the Use of Geographical Analysis Tools*, Max-Planck-Institut für Ethnologische Forschung, Halle, Germany, April 2011.
- Von Mindmaps zu Daten-Mapping: wie digitale Medien die sinologische Forschung veränderten*, Berlin Colloquium for Digital Humanities, MPIWG, March 2011.
- “Habitus und Habitat: Ming-Literati, Urbanisierung und räumliches Wissen,” PublicLecture *Euro-Asian Knowledgeescapes: Concepts and Models of Technological and Scientific Knowledge Transfer*, University Research Priority Program (URPP) Asia and Europe, University of Zurich, Switzerland, March 2011.
- “Knowledgeescapes: Geographical Analysis Tools for Research on the Spatiotemporal Relation of Knowledge,” in the workshop “Transliteration and Transfiguration of Cultural Traditions: Archaeology, Medical Knowledge, Art and Science,” MPIWG, Berlin, March 2011.
- “Culture and Communication: Practical Knowledge and Material Production in Imperial China,” invited talk, Boston College, USA, February 2011.
- “The Properties of Light and Shadow: Colour in the Analyses of Nature in 17th-Century Ming/Qing China,” TU Berlin, January 18, 2011.
- “Intermediaries: Tao Zongyi (1316–1399) and the Yuan Dynasty,” University of Würzburg, Germany, January 07, 2011.
- “Culture and Communication in China: The Qing (1645–1911) Court and Technical Production,” University of Manchester, November 2010.
- “Methods of Communication: Models, Sketches, and Migration in Asia,” University of Heidelberg, Summer School, July 2010.
- “Science in Asia: The Cultural Context of Knowledge Production,” with Kapil Raj (Chair), Ecole des Hautes Etudes en Sciences Sociales EHESS, Paris, France, July 2010.
- “Concepts and Modalities of Innovation in Premodern China: Rhetorics and Practices of Change,” invited talk given at the conference *The Bright Dark Ages: Rethinking Needham’s Grand Question*, Institute of Southeast Asian Studies, National University of Singapore, May 2010.
- “Textile Industry in Song China,” paper in cooperation with Han Yi, presented at the workshop “Borderlines and Intersections: Exploring Science and Society in Song China,” Institute for the History of Natural Science (IHNS), Beijing, China, April 2010.

- “Inscribing the World: Power, Knowledge and Rules in Late Imperial China,” invited Brown Bag Lecture, Weatherhead East Asian Institute, Columbia University, February 2010.
- “Knowledge between Text and Object: Inscriptions in Premodern China,” invited talk given at the annual seminar *History of Science in Asia: Calendars*, Centre National de la Recherche Scientifique (CNRS), Paris, January 2010.
- “Inscribing the World: Practices of Knowledge Appropriation in Ming and Qing China, German-Israeli Frontiers of Humanities Symposium (GISFOH), *On the Move: People, Ideas, and Artifacts*, Kibbutz Tzuba, Israel, December 2009.
- “Technologie und Innovation im vormodernen China: Ein Überblick über neue Forschungsmethoden“, invited talk presented at the Technikgeschichtliche Tagung *Wissens- und Technologietransfer Asien-Europa*, Eisenbibliothek Schlatt, Switzerland, November 2009.
- “Formen und Funktionen von Verschriftung im China des 17. Jahrhunderts“, invited talk, *Wissensdiskursivierungen: Themen, Medien und Räume des Wissens vom 14. bis zum 18. Jahrhundert*, Forschungszentrum “Diskursivierung von Wissen in der Frühen Neuzeit,” Kiel, November 2009.
- “Political Power and Professional Expertise: State-owned Workshops in the Ming Dynasty,” paper presented at the *Third EASTS International Journal Conference: Traditions, Knowledges, and Technologies*, Taiwan, June 2009.
- “To Dress for Work: Remnants of the Ming Times,” paper presented at the *Third Euro-Asian Network for the Study of Everyday Technologies (EANSET), The Body at Work – Materials and Methods*, Völkerkundemuseum of the University of Zurich, June 2009.
- “Detached Objects: Knowledge and Proprietary Claims in 17th-Century Ming/Qing China,” paper presented at the conference *Spuren der Avantgarde: Theatrum oeconomicum [Traces of the Avant-Garde: Theatrum oeconomicum]*, Freie Universität Berlin, June 2009.
- “Cultures of Innovation,” paper presented at the conference *Writing the History of the Global: Challenges for the 21st Century*, British Academy, London, May 2009.
- “Ritus und Arbeitswelt im klassischen China: Studien an Objekt und Text“, invited talk, Sinologie, Universität Bonn, February 2009.
- “Bricks and Bridges: Object Inscriptions,” paper presented at the workshop “Writing the Transmission of Knowledge,” MPIWG, Department 1, in cooperation with Stiftung Bibliothek Werner Oechslin, Einsiedeln, Switzerland, April 30 to May 02, 2009.
- “Managers and Manufacturers: Claims on Practical Knowledge and Artisan Work in 16th-century China,” paper presented at the Annual Meeting of the Association for Asian Studies (AAS), Sheraton, Chicago, USA, March 26–29, 2009.
- “Mobilität und Lokalität im China der späten Ming-Zeit (16/17. Jahrhundert)“, invited talk, University of Würzburg, Germany, 17 January, 2009.
- “Die Macht der Medien: Geschichte in Digitalisation und Datenbanken,” paper in cooperation with Dr. Martina Siebert, presented at the conference *Virtuelle Fachbibliothek Ost- und Südostasien, CrossAsia*, Heidelberg, Germany, November 2008.
- “Appropriating Crafts, Claiming Knowledge: Objects and Owners in Premodern China (Ming/Qing),” invited talk at the conference *Global Arts: The Natural World and Global Culture*, Oxford, U.K., October 17, 2008.
- “Proprietary Issues and Guarantee in 17th-century Chinese Culture: Technology and Beyond,” paper presented at the *XVII Biennial Conference of the European Association of Chinese Studies (EACS)*, Lund, Sweden, August 2008.
- “Proprietary Issues in 17th-Century China: Technology, Culture and Beyond,” invited plenary lecture held at the *2nd International Conference on the History of Science in East Asia*, John Hopkins University, Baltimore, Maryland, July 2008.
- “Analysis of Change Over Time Using CHGIS Datasets and WEB 2.0 Technology,” paper presented at the *Annual Meeting of the Association of American Geographers (AAG)*, Boston, USA, April 2008.
- “Inbuilt Structures/Inherent in the System: Stimulus-response in Chinese Thought of the 17th Century,” paper presented at the conference *Phantome im Labor [Phantoms in the Laboratory]*, Zentrum für Literatur- und Kulturforschung, Berlin, Germany, February 2008.

- “Some Comments about CHGIS and Developments at the Max Planck Institute,” paper presented at the workshop “Prosopography of Middle Period China: Using the China Biographical Database,” Warwick University, Department of History, December 2007.
- “Ein Wohlfeil Ding: Funktionalität eines Werkstoffs im Wandel der Chinesischen Geschichte,” invited talk, Freie Universität, Berlin, December 2007.
- “Qiu Jun (1420–1495) und das Daxue yanyi bu (Supplement zu den Erläuterungen zum 'Grossen Lernen'),” invited talk, University of Leipzig, Germany, June 2007.
- “Ganying – Resonance in Seventeenth-century China: The Examples of Wang Fuzhi (1609–1696) and Song Yingxing (1589–ca. 1666),” paper presented at workshop “Variantology,” Kunsthochschule für Medien, Cologne, Germany, December 2006.
- “Effects of a Theory on Technical Contents: The *Lun Qi* as the Cosmo-scientific Backdrop of a Technical Documentation,” paper presented at the *11th International Conference on the History of Science in East Asia*, Munich, Germany, August 2005.
- “Kulturmanagement im Kontext: Greater China und Wirtschaftskontakte über Auslandschinesen, Aussichten für die Druckindustrie“, einwöchiges Seminar, IPW-4wPR engineering office of Peter Wendt, Kleinrinderfeld, Germany, February 2005.
- “China – Strategische Erwägungen für Unternehmungen in China“, invited lecture Jour Fixe Kassel. Beratergruppe Strategie e.V., November 2004.
- “Working with *Qi* as Materia – Song Yingxing,” paper presented at the *XV Biannual Conference of the European Association of Chinese Studies (EACS)*, Universität Heidelberg, August 2004.
- “On the Representation of the Hand in the *Tiangong kaiwu* Illustrations,” paper presented at the conference of the Euro-Asian Network for the Study of Everyday Technologies (EANSET) *Die Hand in den Alltagstechniken*, TU Berlin, China-Arbeitsstelle, May 2003.
- “Technical and Political Aspects of the Encyclopedia *Tiangong kaiwu*,” paper presented at the workshop “Chinese Handicraft Regulations: Theory and Application,” University of Tübingen, Germany, March 2003.
- “Seidenmanufakturen während der Ming-Dynastie – Organisation und Originalität,” paper presented at the *Graduate Conference on China*, Cologne, Germany, February 2003.
- “Öle und Fette. Produktion und Vertrieb in der Ming-Zeit am Beispiel des *Tiangong kaiwu*“, talk given in the lecture series *Kultur konkret: Alltagstechniken (Chinas)*, TU Berlin, China-Arbeitsstelle, November 2002.
- “Song Yingxing (1587–166?) – A Technical Author?“, talk given at National Tsing Hua University, colloquium by Prof. Ho Peng Yoke (He Bingyu), Hsin-chu, Taiwan, April 2002.

CONFERENCE PANELS AND WORKSHOPS

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| Organizer: Panel: “Empires, Exchange and Civilizational Connectivity in Eurasia” <i>Fifth European Congress on World and Global History: Ruptures, Empires, Revolutions</i> , Budapest. | 09/02/2017 |
| Chair: Keynote: “Warum Materielle Kultur erforschen?” at <i>Materielle Kultur: erschließen, bewahren, erforschen</i> , Bundesministerium für Bildung und Forschung in Berlin | 05/29/2017 |
| Organizer: <i>Animals in Asia</i> (funded by BICC, AHRC 10.000 £), international conference at the University of Manchester. | 01/24–26/2013 |
| Co-Organizer (together with the Gesellschaft für Technikgeschichte e.V. [German Society for the History of Technology]): “Globalisierung, Kulturvergleich und Kulturkontakt als Herausforderung für die Technikgeschichte [Globalization, Culture Comparison and Culture Contact as a Challenge to the History of Technology],” MPIWG, (10,000 €). | 06/03–05/2011 |
| Co-Organizer (with G. Y. Shen): “Ritual as Technology,” MPIWG. | 05/12–14/2011 |
| Chair and Discussant at the Panel “Knowing Places: Cultural Geographies of Song China” at the Annual Meeting of the Association for Asian Studies (AAS), Honolulu. | 04/2011 |
| Co-Organizer (with F. Bray): “Commodities and Anti-Commodities: Rice in Early Modern Thought,” MPIWG. | 03/24–26/2011 |

Co-Organizer (with L. Molà): “Historical Systems of Innovation: The Culture of Silk in the Early Modern World (14–18th Century). A Cross-Cultural Workshop,” MPIWG.	12/17–18/2010
Organizer: “Scholars, Craftsmen and Technology: Defining Experts and Expertise in Chinese Culture,” Workshop, MPIWG.	10/04–09/2010
Co-Organizer (with Partner Group IHNS): “Borderlines and Intersections: Exploring Science and Society in Song China,” Workshop, Beijing, China.	04/12–15/2010
Organizer: “Technological Cultures: Themes and Methods in the History of Technology,” Colloquium Series, MPIWG.	01–11/2010
Co-Organizer (with M. Hofmann): “Status and Skills – The Portrayal of Individuals in Chinese Historiography, 10th–18th Century,” Workshop, MPIWG.	09/04–05/2009
Organizer and Chair: Session 168: “Appropriating Crafts, Owning Knowledge: Chinese Handicrafts and Proprietary Issues from Pre-modern to Present Day” at the Annual Meeting of the Association for Asian Studies (AAS), Chicago.	03/2009
Discussant: Panel: “Practical and Learned Culture in Premodern and Early Modern Europe” at the Annual Meeting of the Society for the History of Technology (SHOT), Lisbon.	10/2008
Co-Organizer (co-funded by the Palace Museum 20,000 RMB): “History of Exchange of Craft Techniques between the Imperial Court and the Folk,” Workshop, Research Department, Palace Museum, Beijing.	04/25–27/2008
Organizer: “Cultures of Knowledge: A Book-workshop,” MPIWG.	04/10–11/2008
Co-Organizer (with the Museum für Asiatische Kunst, Staatliche Museen zu Berlin): “Sources on Chinese Architecture in the 19th and Early 20th Century,” Workshop.	04/04/2008
Co-Organizer (with IHNS): “Borderlines and,” Workshop, Beijing, China.	09/16–30/2007
Organizer: “From Invention to Innovation: Cultural Traditions of Technical Development in China,” Conference, MPIWG.	07/09–13/2007
Co-Organizer (with IHNS): “History of Mechanics.” Workshop, Beijing.	09/03–09/2006

TEACHING EXPERIENCE

University of Hong Kong (2017–2018)

- (1) Cultures of Innovation in East Asia’s History: with a Focus on Scientific, Medical, and Technological Change, co-taught with Angela Ki Che Leung

Freie Universität Berlin (2017–2018)

- (1) China – eine etwas andere Entwicklungsgeschichte

Shanghai Jiaotong University (2016)

- (1) Summer School: Historiography of Science of Science of East Asia in the West

University of Chicago (2016)

- (1) Summer School: Textiles and Labour

Technische Universität Berlin (2015–2016)

- (1) Staatsmanufakturen: Wissenschaft und nützliche Künste in Eurasiens Weg in die Moderne

University of Manchester (2011–2015)

- (1) Classical Chinese, Introduction to Grammar and Literary Genres, (2) Introduction to Chinese Studies EALC 10050, co-taught with James St Andre and William Schroeder
- (3) Energy and environment: China and Asia 900–1800

University of Zurich (2011)

- (1) Research Seminar: Concepts and Models of Technological and Scientific Knowledge Transfer, co-taught with Prof. Dr. Mareile Flitsch

Technische Universität Berlin (2006–2011)

- (1) Seminar: Urbanisierung – Verortung von Wissen im historischen China (10.–16. Jh.), (2) Reading-Seminar: Landwirtschaft und Wissenschaft: Das Zwanzigste Jhd., (3) Seminar: Einführung in die Technikgeschichte Chinas seit der Ming-Zeit: Denken, Handeln, Schreiben,

parts 1 and 2, (4) Seminar-Lecture: Consuming Culture: Asia's Modernism, (5) Seminar: Naturwissenschaft und Technik in China vom 14.–17. Jahrhundert: Konzepte, Ideen, Realitäten

Humboldt Universität zu Berlin (2007)

(1) Seminar: Naturwissenschaft und Technik in China vom 14.–17. Jahrhundert: Konzepte, Ideen, Realitäten

University of Würzburg (1994–2008)

(1) Seminar: Foreign kings, remote emperors: Legitimation in Imperial rulership, (2) Seminar: Tourism: Traditions within New Cultures of Interaction, (3) Seminar: Trade and Guilds, (4) Seminar: State monopolies in dynastic China, (5) Seminar: Nationalism in Asia – 20th century, (6) Reading Seminar: War in China: Technologies and Strategies, (7) Reading Seminar: Carts, boats, horses: Transportation and Infrastructure in Medieval China, (8) Seminar: The West is strong: Intellectual Climate in China 1875–1922, (9) Lecture-Seminar: Einführung in die Wissenschaftsgeschichte: Mit einem Fokus auf Asiens Technologie, (10) Reading Seminar: Chinesische Enzyklopädien, (11) Reading Seminar: Classisches Chinesisch: Chengyu, (12) Seminar: Beamten in der Song-Dynastie: Literati-Kultur

LANGUAGES

Fluent in speaking, reading and writing in Modern Chinese, English, German;
Reading and writing ability in Classical Chinese, French, Dutch, Japanese, Latin, Classical Mongolian