

**CURRICULUM VITAE**  
updated September 2020

**DAGMAR SCHÄFER**

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**ACADEMIC POSITIONS**

|   |                       |
|---|-----------------------|
| Managing Director, Max Planck Institute for the History of Science,<br>Berlin   | 07/2019–              |
| Guest Professor, Tianjin University   | 2018–2021             |
| Adjunct Professor, Institute of Sinology, Freie Universität Berlin  | 11/2016–              |
| Guest Professor, School of History and Culture of Science,<br>Shanghai Jiao Tong University   | 07/2016–<br>2016–2017 |
| Honorary Professor, History of Science and Technology,<br>Technische Universität Berlin   | 07/2015–              |
| Director, Department III, Max Planck Institute for the History of Science,<br>Berlin  | 04/2013–              |
| Head of Department of East Asian Studies, University of Manchester  | 01/2012–<br>07/2013   |
| Professor and Chair of Chinese Studies and History of Technology,<br>School for Arts and Languages, University of Manchester  | 09/2011–<br>07/2015   |
| Director, Confucius Institute Manchester  | 08/2011–<br>07/2013   |
| Director, Independent Research Group<br>“Concepts and Modalities: Practical Knowledge Transmission”<br>(China, 10th–18th century),<br>Max Planck Institute for the History of Science, Berlin | 05/2006–<br>08/2011   |
| Assistant Professor, Department of Chinese Studies,<br>Julius-Maximilians-University of Würzburg  | 04/2005–<br>08/2005   |

**PROFESSIONAL POSITIONS AND COOPERATIONS**

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| Principal Investigator, British Inter-University Centre for Chinese Studies  | 2012–2013                              |
| Research Director of the Division for Language-Based Area Studies,<br>University of Manchester   | 2012–08/2013                           |
| Principal Investigator in joint research project cooperation between the<br>Max Planck Institute for the History of Science (MPIWG) and the<br>Palace Museum (PM) in Beijing, China  | founded in<br>12/2007;<br>renewed 2011 |
| Supervisor of Partner Group of the Chinese Academy of Science (CAS) and<br>the Max Planck Society (MPG) at the<br>Institute of the History of Natural Science (IHNS), Beijing, China | 09/2007–08/2012                        |

**EDITORIAL POSITIONS**

|   |           |
|---|-----------|
| Editor in Chief, <i>Transfers. Interdisciplinary Journal of Mobility Studies</i>  | 2018–2019 |
| Guest Editor, <i>Crossroads: An Interdisciplinary Journal of Southeast Asian<br/>Studies</i> , special issue <i>History of Science and Technology across the<br/>Silk Roads</i> | 2017–     |
| Series Editor (with Benjamin Elman and Kim-Yunk Sik),<br><i>Science and Religion in East Asia</i>   | 2015–     |

**EDITORIAL BOARD MEMBER POSITIONS**

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| Editorial Board, <i>Journal of Chinese History</i> | 2020– |
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| Senior Advisory Board, <i>Journal for East Asian Science, Technology, Medicine</i><br>(EASTM)    | 2019–2021 |
| Steering Committee, <i>China Biographical Database</i> (CBDB)                                    | 2017–     |
| Editorial Board, <i>Ambix</i>  | 2017–     |
| Editorial Board, <i>Osiris</i>   | 2016–     |
| Editorial Board, <i>Transversal: International Journal for the Historiography of<br/>Science</i> | 2016–     |
| International Committee, <i>Artefacts</i>  | 2014–     |
| Series Editorial Board, <i>Edition Open Access</i> (EOA)   | 2013–     |

## **EDUCATION**

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

## **AWARDS AND FELLOWSHIPS**

|   |                 |
|---|-----------------|
| Gottfried Wilhelm Leibniz Prize<br>German Research Foundation (DFG)   | 2020            |
| Member of the School of Historical Studies, Residential Scholarship<br>Institute for Advanced Study, Princeton, New Jersey                | 01/2019–04/2019 |
| Joseph Levenson Book Prize (pre-1900 category)<br>Association for Asian Studies<br><i>The Crafting of the 10,000 Things</i>               | 2013            |
| Pfizer Award,<br>History of Science Society (HSS)<br>Best scholarly work and outstanding book<br><i>The Crafting of the 10,000 Things</i> | 2012            |
| Award for Excellent and Outstanding International Research<br>Ruchti-Stiftung   | 2006            |
| Scholarship for Outstanding Scholars<br>Bavarian Ministry of Science  | 2005–2006       |
| Individual Fellowship<br>Max Planck Institute for the History of Science  | 09/2005–10/2005 |
| HWP Scholarship<br>Bavarian state scholarship for outstanding academics   | 2003–2004       |
| DFG Grant<br>Dept. of Sinology, University of Würzburg  | 2001–2004       |
| Academia Sinica, Research Grant<br>P.R. China, Beijing  | 09/2002–11/2002 |
| DFG Research Grant<br>Taiwan, National Tsing Hua University   | 03/2002–07/2002 |
| Academia Sinica, Research Grant<br>P.R. China, Beijing  | 01/2002–02/2002 |
| Post-Doctoral Fellowship<br>University of Würzburg  | 1998–2001       |
| Award for Excellent Research Unterfränkische Gedenkstiftung   | 1997            |
| DFG PhD Scholarship   | 1994–1996       |
| Academic Exchange Scholarship (DAAD)<br>P.R. China, Zhejiang University<br>Dept. of Chinese History and Journalism                        | 1990–1991       |

University of Würzburg, 1990  
Exchange Scholarship P.R. China,  
Zhejiang University

### **PROJECT-BASED RESEARCH GRANTS**

Principal Investigator, with Noa Hegesh (MPIWG) 01/2021–12/2022  
*Transience: Politics and Practices of Time in the Chinese Period of  
Division (3rd–7th century).*  
Funded by the Einstein Center Chronoi, Berlin

Principal Investigator 08/2018–07/2021  
*Translation Terroirs—East Asian and European Maps  
between Language, Ritual and Space*  
Research team of three, funded by the DFG

Project Director 2018–2019  
*Chinese Local Gazetteers: Producing Full Texts and Making Them  
Open-Access*  
Cooperative research project of MPIWG and  
Harvard-Yenching Library (HYL), funded by the  
Chiang Ching-kuo Foundation (CCK) Database Grant

### **LIST OF PUBLICATIONS**

#### **Books**

*The Crafting of the 10,000 Things: Knowledge and Technology in 17th-Century China.* Chicago: 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**

*Ownership of Knowledge. Beyond IP.* Co-edited with Annapurna Mamidipudi, Marius Buning, and Mario Biogioni. MIT Press, forthcoming.

*Seri-Technics: Historical Silk Technologies.* Co-edited with Giorgio Riello and Luca Molà. Studies 13. Berlin: Max Planck Research Library for the History and Development of Knowledge, 2020. [Open Access](#)

*The History of Science in a World of Readers.* Co-edited with Angela N. H. Creager. Studies 11. Berlin: Max Planck Research Library for the History and Development of Knowledge, 2019. [Open Access](#)

科学史新论：范式更新与视角转换 (History of Science Reader). Co-edited with Angela N.H. Creager. Translated by Wu Xiujie 吴秀杰. Series: 科学与社会译丛, edited by Liu Dong 刘东, Dagmar Schäfer 薛凤, and Angela N. H. Creager 柯立哲. 浙江大学出版社. Zhejiang University Press, 2019.

*Accounting for Uncertainty: Prediction and Planning in Asian History.* Co-edited with Michael Lackner, and Zhao Lu. MPIWG Preprint no. 496. Berlin: Max Planck Institute for the History of Science, 2019. [Open Access](#)

*Animals through Chinese History: Earliest Times to 1911.* Co-edited with Roel Sterckx, and Martina Siebert. Cambridge: Cambridge University Press, 2018. [Open Access](#)

*Threads of Global Desire.* Co-edited with Giorgio Riello and Luca Mola. Suffolk: Boydell & Brewer, 2018.

- “Knowledge Spheres: Borderlines and Intersections of Expertise and Knowing in China, Song to Qing,” co-edited with Sun Xiaochun, special issue, *EASTM* 38/39 (2013/2014). [Open Access](#)
- Rice: Global Networks and New Histories*. Co-edited with Francesca Bray, Peter Coclanis, and Edda Fields-Black. Cambridge: Cambridge University Press, 2015.
- “Globalisierung und Transnationaler Techniktransfer,” co-edited with Marcus Poppow, special issue in *TG Technikgeschichte* 80, no. 1 (2013).
- Cultures of Knowledge: Technology in Chinese History*. Leiden: Brill, 2012.

### **Articles and Chapters in Books**

- “What is Local Knowledge? Digital Humanities and Yuan Dynasty Disasters in Imperial China's Local Gazetteers,” with Shih-pei Chen, and Qun Che. *Journal of Chinese History* 中國歷史學刊 4, no. 2 (2020): 391–429.
- “Visualizations of the Heavens before 1700 as a Concern of the History of Science, Medicine and Technology,” with Sonja Brentjes. *NTM: Zeitschrift für Geschichte der Wissenschaften, Technik und Medizin* (July 2020). [Open Access](#)
- “Things (Wu) and Their Transformations (Zaowu) in the Late Ming Dynasty: Song Yingxing’s and Huang Cheng’s Approaches to Mobilizing Craft Knowledge.” In *Entangled Itineraries: Materials, Practices, and Knowledges across Eurasia*, edited by Pamela H. Smith, 63–78. Pittsburgh: University of Pittsburgh Press, 2019.
- “Introduction,” with Florence Hsia. *Technology and Culture* 60, no. 2 (2019): 554–61.
- “History of Science, Technology, and Medicine: A Second Look at Joseph Needham,” with Florence Hsia. *Isis* 110, no. 1 (2019): 94–99. [Open Access](#)
- “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: Cambridge University Press, 2018. [Open Access](#)
- “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, 160–80. Cambridge: Cambridge University Press, 2018. [Open Access](#)
- “Unpacking the Chinese Library.” In *Bibliotechnica: Humanist Practice in Digital Times*, edited by John Tresch, 117–43. Fondazione Giorgio Cini, 2018. [Open Access](#)
- “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, 303–16. 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. Eberspächer, A. Labisch, and Li Xuetao, 113–26. Halle: Leopoldina, 2018.
- “Editorial: Mobility Studies, a Transdisciplinary Field.” *Transfers* 8, no.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, 134–53. 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, 166–77. 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, no. 3 (2017): 621–28. [Open Access](#)
- “Science in the Medieval East.” In *Oxford Illustrated History of Science*, edited by Iwan Rhys Moreus, 108–42. Oxford: 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, 271–86. Cham: Springer, 2017. [Open Access](#)
- “Compiling a Database on Historical China from Local Records: the Local Gazetteers Project at MPIWG,” with Shih-pei Chen, Z. Hong, M. Siebert, and J. Urzúa. In *Digital Humanities 2016: conference abstracts*; Kraków 11–16 July 2016, edited by Maciej Eder and Jan Rybicki, 453–55. Kraków: Jagiellonian University and 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 and Giorgia Strafella, 19–47. Wiesbaden: Harrasowitz, 2016.
- “Techniques et territoires en Asie orientale,” with Aleksandra Kobiljski. In *Histoire des Techniques, Mondes, Sociétés, Cultures (XVI<sup>e</sup>–XVIII<sup>e</sup> Siècle)*, edited by Guillaume Carnino, Liliane Hilaire-Perez, and Aleksandra Kobiljski, 25–50. Paris: puf (Nouvelle clio), 2016.
- “Culture et technique,” with Marie Thébaud-Sorger. In *Histoire des Techniques, Mondes, Sociétés, Cultures (XVI<sup>e</sup>–XVIII<sup>e</sup> Siècle)*, edited by Guillaume Carnino, Liliane Hilaire-Perez and Aleksandra Kobiljski, 369–94. Paris: puf (Nouvelle clio), 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 and M. Wiesner-Hanks, 309–38. 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, 107–18. Houndmills, Basingstoke: Palgrave Macmillan, 2015.
- “Knowledge Spheres: Borderlines and Intersections of Expertise and Knowing in China, Song to Qing,” with Xiaochun Sun, *EASTM*, no. 38 (2013): 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.: Peter Lang, 2014.
- “Peripheral Matters: Selvage/Chef-de-piece Inscriptions on Chinese Silk Textiles.” *UC Davis Law Review* 47, no. 2 (2013): 705–33.
- “Globalisierung, Kulturvergleich und Transnationaler Techniktransfer als Herausforderung für die Technikgeschichte,” with Marcus Popplow. *Technikgeschichte* 80, no. 1 (2013): 3–11.
- “Formen und Funktionen von Verschriftlichung im klassischen China: Objekte und funktionale Inschriften während der Ming Dynastie (1368–1645).” In *Natur – Religion – Medien, Transformationen frühneuzeitlichen Wissens*, edited by Thorsten Burkard, Markus Hundt, Steffen Martus, Steffen Ohlendorf, 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. Lazardzig, and V. Tkaczyk, 45–75, Berlin and New York: Walter de Gruyter, 2013.
- “Silken Strands: Making Technology Work in China.” In *Cultures of Knowledge: Technology in Chinese History*, edited by Dagmar Schäfer, 45–73. 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, no. 2 (2011): 239–65.
- “Technologie und Innovation im vormodernen China: Ein historischer Überblick.” *Ferrum* 82, no. 1 (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 Fürlus, 225–54. Köln: König, 2008.
- “Matteo Ricci, der gelehrte Missionar.” *Spektrum der Wissenschaft* 14, no. 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. *Harvard Journal of Asiatic Studies* 78, no. 1 (June 2018): 224–30.
- Looking at it from Asia: The Processes that Shaped the Sources of History of Science*, by Florence Bretelle-Establet (ed.). *EASTM* 35 (2012): 178–84.
- Science between Europe and Asia: Historical Studies on the Transmission, Adoption and Adaptation of Knowledge*, by Feza Günergun, and Dhruv Raina (eds.). *ISIS* 103, no. 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. *EASTM* 33 (2011): 121–27.
- “Historical Perspectives on Chinese Metallurgy,” review of *Science and Civilisation in China, vol. 5: Chemistry and Chemical Technology, Part 11: Ferrous Metallurgy* by Joseph Needham, edited by Donald B. *Metascience* 19, no. 3 (November 2010): 479–82.
- On Their Own Terms: Science in China, 1550–1900*, by Benjamin A. Elman. *Harvard Journal of Asiatic Studies* 67, no. 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. *Hefte für Ostasiatische Literatur* 38 (2005): 125–27.