

Curriculum Vitae

Dr. Stefan ZIEME
Laboratoire Temps Espace
Observatoire de Paris - Université PSL
61 avenue de l'Observatoire, 75014 Paris, France

@ stefan.zieme@obspm.fr
🏠 <https://szieme.github.io>

ACADEMIC/PROFESSIONAL APPOINTMENTS

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| 2026-27 | Postdoctoral Research Fellow
Centre national de la recherche scientifique (CNRS)
Observatoire de Paris - Université Paris Sciences et Lettres |
| 2019-25 | Research Associate at the Cluster of Excellence Matters of Activity
and Associate Professor at the Department for Cultural History
and Theory, Humboldt-Universität zu Berlin. |
| 2014-18 | Postdoctoral Research Fellow,
Cluster of Excellence Image Knowledge Gestaltung,
Humboldt-Universität zu Berlin. |
| 2012-14 | Scientific Officer,
Division Evaluation Committee, Leibniz Association. |
| 2010-12 | Postdoctoral Research Fellow,
High-Energy Physics and String Theory,
Nordic Institute for Theoretical Physics (NORDITA), Stockholm. |

EDUCATION

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| 2010 | PhD in theoretical physics, Humboldt-Universität zu Berlin and
Max Planck Institute for Gravitational Physics.
Thesis: “Integrability and its application in $N = 4$ super Yang-Mills
theory” (magna cum laude). |
| 2007 | Diploma in Physics, Humboldt-Universität zu Berlin.
Thesis: “Bethe equations and the AdS/CFT correspondence”
($\emptyset$ 1.2). |

PUBLICATIONS

Monographs

- 2027 **Stefan Zieme**, *The Equation of Time: A History of Tables and Practices in Medieval Astronomy* (Turnhout: Brepols), under contract (planned submission December 2026).

Journal articles (History of Science)

- 2024 Laure Miolo and **Stefan Zieme**, “Lewis Caerleon and the equation of time: tabular astronomical practices in late fifteenth-century England,” *Arch. Hist. Exact Sci.* 78, No. 2 (2024), 183–243. DOI: <https://doi.org/10.1007/s00407-023-00324-y>.
- 2023 **Stefan Zieme**, “Gerard of Cremona’s Latin Translation of the *Almagest* and the Revision of Tables,” *Journal for the History of Astronomy* 54, No. 1 (February, 2023), 3–33. DOI: <https://doi.org/10.1177/00218286221140848>.
- 2021 **Stefan Zieme**, “Imagining the Heavens: Adam Elsheimer’s *Flight into Egypt* and the Renaissance Night Sky,” *Journal for the History of Knowledge* 2, No. 1 (2021):2, pp. 1–18. DOI: <http://doi.org/10.5334/jhk.3>.

Articles in edited volumes

- 2026 Eleonora Andriani and **Stefan Zieme**, “Regiomontanus on the Equation of Time: Computational Practices of an Alfonsine Astronomer,” in *Alfonsine astronomy: The Mathematical Practices*, ed. by Matthieu Husson, José Chabás, and Richard Kremer (Turnhout: Brepols, 2026), 307–43. DOI: <https://doi.org/10.1484/M.ALFA-EB.5.137915>.

Book Reviews

- 2019 Christoph Lüthy, Claudia Swan, Paul J.J.M. Bakker and Claus Zittel (Editors). *Image, Imagination, and Cognition. Medieval and Early Modern Theory and Practice*. (Leiden: Brill, 2018). *Isis* 110, No. 4 (2019), 801–2. DOI: <https://doi.org/10.1086/706883>.

Journal articles (Physics)*

- 2012 K. Zarembo and **S. Zieme**, “Fine Structure of String Spectrum in $AdS_5 \times S^5$,” *JETP Lett.* 95 (2012): 219–223. Preprint: [arXiv:110.6146\[hep-th\]](https://arxiv.org/abs/110.6146).
- 2010 L. Freyhult, A. Rej, **S. Zieme**, “From weak coupling to spinning strings,” *JHEP* 1002 (2010): 050. Preprint: [arXiv:0911.2458\[hep-th\]](https://arxiv.org/abs/0911.2458).

* Authors are listed in alphabetical order.

- 2010 M. Beccaria, A. V. Belitsky, A. V. Kotikov, **S. Zieme**, “Analytic Solution of the multiloop Baxter equation,” [*Nucl. Phys. B* 827 \(2010\): 565–606](#). Preprint: [arXiv:0908.0520\[hep-th\]](#).
- 2009 M. Beccaria, V. Forini, T. Lukowski, **S. Zieme**, “Twist-three at five loops, Bethe Ansatz and wrapping,” [*JHEP* 0903 \(2009\): 129](#). Preprint: [arXiv:0901.4864\[hep-th\]](#).
- 2009 L. Freyhult, **S. Zieme**, “The virtual scaling function of AdS/CFT,” [*Phys. Rev. D* 79, 105009](#). Preprint: [arXiv:0901.2749\[hep-th\]](#).
- 2009 A. V. Kotikov, A. Rej, **S. Zieme**, “Analytic three-loop Solutions for $N = 4$ SYM Twist Operators,” [*Nucl. Phys. B* 813 \(2009\): 460–483](#). Preprint: [arXiv:0810.0691\[hep-th\]](#).
- 2007 A. Rej, M. Staudacher, **S. Zieme**, “Nesting and dressing,” [*J. Stat. Mech.* 0708 \(2007\): Po8006](#). Preprint: [arXiv:hep-th/0702151](#).

CONFERENCE PRESENTATIONS

History of Science

- 2026 “Gerard of Cremona and the Toledan Tables”, 2026 *Joint Meeting of the European Society for the History of Science and the History of Science Society*, Edinburgh, July.
- 2026 “The Diagrams of the First Appendix of al-Ṭūsī’s *Tahrīr al-Majistī*,” *Image Making as Knowledge Production*, Bibliotheca Hertziana, Max Planck Institute for Art History, Rome, June.
- 2026 “The Diagrams of the First Appendix of al-Ṭūsī’s *Tahrīr al-Majistī*,” [A Global History of Diagrams in Astral Sciences](#)—4th International EIDA Conference, Observatoire de Paris, April.
- 2025 “EIDA in Action: Diagram Transformations in George of Trebizond’s Translation of the *Almagest*,” [A long history of diagrammatization in the astral sciences](#)—3rd International EIDA Conference, Observatoire de Paris, April.
- 2024 “45°: The Toledan Tables and the Latitude of Cremona,” [New Perspectives on Gerard of Cremona](#), 2nd International Conference of the Project Ptolemaeus Arabus et Latinus, Würzburg, September.
- 2024 “On the Transmission of the *Almagest*,” 11th *Conference of the European Society for the History of Science*, Barcelona, September. Organizer of the symposium “Visual Practices of Ancient and Mediaeval Astral Sciences,” (jointly with Eleonora Andriani, IRHT, Paris).

- 2024 “The geometrical diagrams of the *Almagest*: George of Trebizond and the revision of lines and angles,” [Graphic Conventions, Visual Idioms, \(Dis\)Similarity in Astronomical Diagrams](#)—2nd International EIDA Conference, Observatoire de Paris, April.
- 2023 “On the Translations and Transmission of the *Almagest*,” *VIII Workshop de Epistemología e Historia de la Astronomía*, Universidad Pedagógica Nacional Buenos Aires, November.
- 2023 “A Survey of Equations of Time in Alfonsine Astronomy,” [Alfonsine Astronomy: Trends and Nodal Points](#) (ALFA conference 2023), Universidad Complutense de Madrid, September.
- 2023 “Manuscript Culture and the Early Modern Editions of the *Almagest*,” *XIV^e Congrès de la Société française d'histoire des sciences et des techniques*, Université de Bordeaux, April.
- 2023 “Mapping the Transmission of the *Almagest* from its Diagrams,” *Editing and analysing hIstorical astronomical Diagrams with Artificial intelligence (EIDA)*, kick-off conference, Observatoire de Paris, March.
- 2023 “The Transmission of the *Almagest* in Manuscript Culture,” *Paper(s) as epistemic carrier of knowledge*, Workshop at the Deutsches Museum, Munich, February.
- 2022 “On the Equation of Time in the Alfonsine Tradition,” *ALFA Workshop 2022*, Paris, October.
- 2022 “On the Transmission and Translations of the *Almagest*: (Towards) A Network Analysis,” *10th International Conference of the European Society for the History of Science*, Brussels, September. Organizer of the symposium “Communicating astral knowledge through tables, diagrams, instruments, and images (c. 10th - 16th century),” (jointly with Anna Jerratsch, MPIWG, Berlin).
- 2021 “Regiomontanus on the Equation of Time,” *ALFA Workshop 2021*, Observatoire de Paris, October.
- 2021 “Equating Time in Alfonsine Astronomy,” *Equating the Heavens*, Museumslandschaft Hessen Kassel & Staatliche Kunstsammlungen Dresden, August.
- 2021 “The Hierarchy of Tables: Lewis of Caerleon on the Equation of Time,” *26th International Congress of History of Science and Technology*, Prague (online), July.

- 2020 “The tables in Gerard of Cremona’s Latin Translation of the *Almagest*,” *Alfonsine Astronomy: mathematical practices*, (ALFA Conference 2020), Barcelona (online), October.
- 2020 “Knowledge Cultures and Translations: Latin-Arabic Traditions of the *Almagest*,” 9th *International Conference of the European Society for the History of Science*, Bologna (online), September.
- 2019 “Astrology and Comets: Earthly Signs and Celestial Signifiers,” 2019 *History of Science Society Annual Meeting*, Utrecht, Netherlands, July.
- 2019 “Adam Elsheimer and the Renaissance Night Sky,” 14th *Biennial History of Astronomy Workshop*, University of Notre Dame, USA, June.
- 2018 “Practices of Astrology in 15th century Nuremberg and the *Almanac Nova*,” *Pre-modern Astronomical and Astrological Data in Tabular Form: Storage, Edition, and Mathematical Analysis*, Munich, Germany, November.
- 2018 “Adam Elsheimer and the Renaissance Night Sky,” *Early|Modern|Art|Science*, Berlin, Germany, November.
- 2017 “Albrecht Dürer and the Melancholy of the Heavens,” (poster presentation) 2017 *History of Science Society Annual Meeting*, Toronto, Canada, November.
- 2017 “Albrecht Dürer and the Melancholy of a Portentous Comet,” 13th *Biennial History of Astronomy Workshop*, University of Notre Dame, USA, July.
- 2016 7th *International Conference of the European Society for the History of Science*, Prague, Czech Republic, September.
(participation only)
- 2015 *A Century of General Relativity*, Berlin, Germany, December.
(participation only)
- Physics**
- 2011 Session Chair “Holographic Superconductors,” 35th *Johns Hopkins Workshop on AdS/CFT and its Application*, Budapest, Hungary, June.
- 2010 “Anomalous Dimensions and Combinatorics in $N = 4$ SYM,” *Integrability in Gauge and String Theory*, NORDITA, Stockholm, Sweden, June.

- 2009 “The Virtual Scaling Function of AdS/CFT,” *Nordic String Meeting*, Bremen, Germany, March.
- 2009 “The Virtual Scaling Function of AdS/CFT,” *Fundamental Aspects of Superstring Theory*, KITP Santa Barbara, USA, February.

INVITED TALKS

History of Science

- 2026 “The Diagrams of the First Appendix of al-Ṭūsī’s *Taḥrīr al-Majistī*,” The Research Seminar of the Early Modern Research Group, University of Technology Nuremberg, Germany, 17 June.
- 2026 “The Diagrams of the First Appendix of al-Ṭūsī’s *Taḥrīr al-Majistī*,” History and Philosophy of Physics Seminar, SPHERE laboratory, Paris, France, 18 March.
- 2024 “What is a diagram?” History of astronomical diagrams seminar, Observatoire de Paris, France, (online) 27 February.
- 2024 “What is the equation of time?” Institut de recherche et d’histoire des textes, Aubervilliers (Paris), France, 7 February.
- 2024 “On the Transmission of the *Almagest*: A Network Analysis,” Zentrum für Philologie und Digitalität „Kallimachos“, Würzburg, Germany, 17 January.
- 2023 “Introduction to Network Analysis,” Digital Humanities Seminar, Observatoire de Paris, France, 16 May.
- 2023 “The Cross-cultural Transmission of the *Almagest*: A Network Analysis,” Ptolemaeus Arabus et Latinus, Bayerische Akademie der Wissenschaften, Munich, Germany, 28 February.
- 2022 “Regiomontanus on the solar equation of the *Almagest*,” Observatoire de Paris, France, 16 June.
- 2022 “Teaching the *Almagest*: Regiomontanus’ Computational Practice,” Observatoire de Paris, France, 31 March.
- 2021 “The Equation of Time in Alfonsine Astronomy,” Observatoire de Paris, France, 25 February.
- 2020 “Implementing Historical Computational Schemes: Oblique Ascension in the *Almagest*,” Observatoire de Paris, France, 12 November.

2018 “The Imagined Heavens: Adam Elsheimer and the Renaissance Night Sky,” Ca' Foscari University of Venice, Italy, 17 October.

Physics

2011 “The Fine Structure of the String Spectrum in $AdS_5 \times S^5$,” Department of Physics, Humboldt-Universität zu Berlin, Germany, April.

2010 “Strong Coupling Results from Weakly Coupled $N = 4$ SYM,” Niels Bohr Institute, Copenhagen, Denmark, December.

2010 “A Virtual Scaling Function for AdS/CFT,” Nordic Institute for Theoretical Physics, Stockholm, Sweden, November.

2009 “The Iterative Structure of the Baxter Function,” Institut de Physique Théorique, CEA Saclay, France, November.

2009 “The Iterative Structure of the Baxter Function,” Uppsala Universitet, Sweden, November.

2009 “A Virtual Scaling Function for AdS/CFT,” Imperial College London, Great Britain, October.

ORGANIZED SYMPOSIA, WORKSHOPS, CONFERENCES

2026 “Tabular Practices and the Cross-cultural Exchange of Knowledge in Ancient in Medieval Astronomy,” **symposium** (co-organized with Matthieu Husson, CNRS) at the *2026 Joint Meeting of the European Society for the History of Science and the History of Science Society*, Edinburgh, 12–16 July 2026.

2025 “[A long history of diagrammatization in the astral sciences](#),” 3rd International EIDA **Conference** (co-organized with Matthieu Husson, Samuel Gessner, Divna Manolova, Florence Somer) at the Observatoire de Paris, Paris, 15–17 April 2025.

2024 “Visual Practices of Ancient and Mediaeval Astral Sciences,” **symposium** (co-organized with Eleonora Andriani, IRHT) at the *11th Conference of the European Society for the History of Science* in Barcelona, 4–7 September 2024.

2022 “Communicating Astral Knowledge through Tables, Diagrams, Instruments, and Images (c. 10th–16th century),” **symposium** (co-organized with Anna Jerratsch, MPIWG) at the *10th Conference of the European Society for the History of Science* in Brussels, 7–10 September 2022.

- 2018 “[Early|Modern|Art|Science](#),” international **workshop** (co-organized with Ian Lawson) at the Interdisciplinary Laboratory Image Knowledge Gestaltung, Berlin, 16–17 November 2018.

STUDENTS SUPERVISED

- 2025 Lucas Brunz, ‘Fall of Men, Hastings 1066. Hair as a Symptom of Lost Godliness’, BA thesis, Department of Cultural History and Theory, Humboldt-Universität zu Berlin.
- 2017–18 Lilly Pyras (BA), ‘Die Kunst der Relativität. El Lissitzky und die Ordnung von Raum und Zeit’, one-year student research stipend within Deutschland Stipendium of Schering Stiftung.
- 2017–18 Lukas Helbich (MA), ‘Soziologie aus dem Labor. Theoriearbeit und Experiment bei Gabriel Tarde’, one-year student research stipend within Deutschland Stipendium of Schering Stiftung.

TEACHING

Cultural History/ History of Science

- 2025 “Science in Translation: Transmission and Translation of Knowledge in the Middle Ages” Humboldt-Universität zu Berlin, MA seminar.
- 2024/25 “The History and Materiality of the Book,” Humboldt-Universität zu Berlin, BA seminar.
- 2024 “The Cultural History of Time,” Humboldt-Universität zu Berlin, MA seminar.
- 2023/24 “Prints and Broadsheets of the Renaissance,” Humboldt-Universität zu Berlin, BA seminar.
- 2023 “Images and Visual Practices of Knowledge,” Humboldt-Universität zu Berlin, BA seminar.
- 2022/23 “The History and Materiality of the Book,” Humboldt-Universität zu Berlin, BA seminar.
- 2022 “History of Astrology: Antiquity to Early Modern Period,” Humboldt-Universität zu Berlin, BA seminar.
- 2021/22 “Prints and Broadsheets of the Renaissance,” Humboldt-Universität zu Berlin, BA seminar.

2021	“Science and Religion,” Humboldt-Universität zu Berlin, MA seminar.
2020/21	“Visual and Material Practices of the Renaissance and Early Modern Period,” Humboldt-Universität zu Berlin, BA seminar.
2020	“Aby Warburg (and <i>Bildwissenschaft</i>),” Humboldt-Universität zu Berlin, BA seminar.
2019/20	“The Cultural History of the Astral Sciences,” Humboldt-Universität zu Berlin, MA seminar.
2019/20	“Northern Renaissance: Texts, Art, and Practices,” Humboldt-Universität zu Berlin, BA seminar.
2018	“Celestial Mechanics—Changing Cosmologies,” invited lecture, lecture series “The Nature of Perception - the Art of Deception,” Schering Stiftung, Berlin.
2016/17	“ <i>De Cometis</i> : On the Cultural History of Mathematical Physics,” Humboldt-Universität zu Berlin, seminar (co-taught).
2015/16	“What is New? On Epistemic Processes in Physics,” Humboldt-Universität zu Berlin, seminar (co-taught).
2015/16	“Space, Time, Matter. Model Building and Fundamental Physics,” Humboldt-Universität zu Berlin, seminar (co-taught).
2015	“Experimental Systems,” Humboldt-Universität zu Berlin, seminar (co-taught).
Physics	
2009	“Classical Mechanics,” Herat University, Afghanistan, lecture-course.
2009	“Classical Mechanics,” Herat University, Afghanistan, exercise session.
2008–9	“Quantum Mechanics and Statistics,” Humboldt-Universität zu Berlin, exercise session.

FELLOWSHIPS, GRANTS, AND AWARDS

2022	Visiting Fellowship, Ptolemaeus Arabus et Latinus , Bayerische Akademie der Wissenschaften, Munich (one month residency).
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2021	Chercheur invité, Observatoire de Paris (one month residency).
2019	Adler-Mansfield Prize of the Adler Planetarium Chicago (stipend and travel expenses for onsite research in the Adler's collection).
2019	Visiting Postdoctoral Fellow, Harvard University, Department of the History of Science (March–May 2019).
2010–12	Postdoctoral Fellowship, Nordic Institute for Theoretical Physics , Stockholm, Sweden.
2009	Short Term Lectureship, German Academic Exchange Service (DAAD), 3 months lectureship in Herat, Afghanistan.
2007–10	Member of the International Max Planck Research School.
2005–6	Two-semester study-abroad-stipend, University of California, Santa Cruz, USA.

PEER REVIEW ACTIVITIES

History of Science

Referee (journal articles):

- British Journal for the History of Science (since 2020).
- Journal for the History of Astronomy (since 2023).
- Journal of History of Science and Technology (since 2025).
- Notes and Records (since 2025).

Referee (book series):

- Ptolemaeus Arabus et Latinus (Brepols).

Reviewer (books):

- Isis.
- Journal for the History of Astronomy.

Physics

Referee (journal articles):

- Journal of High Energy Physics (2009–12).

MEMBERSHIPS AND OTHER PROFESSIONAL ACTIVITIES

2026–	ELLIS (European Laboratory for Learning and Intelligent Systems) coordinator of the ELLIS unit PARIS (no membership).
2023–	CHAMA (Commission for the History of Ancient and Medieval Astronomy) CHAMA is a commission of the Division of History of

Science and Technology ([DHST](#)) of the International Union of History and Philosophy of Science.

- 2022–26 EIDA (Editing and analysing hIstorical astronomical Diagrams with Artificial intelligence, ANR PRC project situated at the Observatoire de Paris, PI Matthieu Husson).
<https://eida.hypotheses.org/>.
- 2020–23 ALFA (Shaping a European Scientific Scene: Alfonsine Astronomy, ERC Consolidator Grant situated at the Observatoire de Paris, PI Matthieu Husson). <https://alfa.hypotheses.org/>.
- 2019–20 Elected member of the scientific board of the Cluster of Excellence Matters of Activity, Humboldt-Universität zu Berlin.

PROGRAMMING SKILLS

- Mathematica, Python.

LANGUAGES

- German (native)
- English (excellent)
- French (basic)
- Latin (*Latinum*)

Paris, September 2026.