

Monographien

- Hellwig, Oliver (2009d). *Quecksilber und Chronometrie. Eine computerphilologische Analyse der mittelalterlichen indischen Alchemie*. Aachen: Shaker Verlag.
- (2009g). *Wörterbuch der mittelalterlichen indischen Alchemie*. KP Eelde: Barkhuis.

Artikel

- Hellwig, Oliver, Salvatore Scarlata und Paul Widmer (to appear in JAOS). “Assessing Rigvedic Strata”. In: *Eingereicht bei JAOS*.
- Hellwig, Oliver (2019). “Dating Sanskrit Texts Using Linguistic Features and Neural Networks”. In: *Indogermanische Forschungen* 124, S. 1–47.
- (2017b). “Stratifying the Mahābhārata: The Textual Position of the Bhagavadgītā”. In: *Indo-Iranian Journal* 60.2, S. 132–169.
- (2014). “Materialgruppen in der indischen Alchemie”. In: *Zeitschrift der Deutschen Morgenländischen Gesellschaft* 164.2, S. 451–468.
- Reiter, Nils, Anette Frank und Oliver Hellwig (2014). “An NLP-based cross-document approach to narrative structure discovery”. In: *Literary and Linguistic Computing* 29.4, S. 583–605.
- Frank, Anette, Thomas Bögel, Oliver Hellwig und Nils Reiter (2012). “Semantic Annotation for the Digital Humanities – Using Markov Logic Networks for Annotation Consistency Control”. In: *Linguistic Issues in Language Technology* 7.1, S. 1–21.
- Hellwig, Oliver (2010a). “Etymological Trends in the Sanskrit Vocabulary”. In: *Literary and Linguistic Computing* 25.1, S. 105–118.
- (2010d). “The Arrangement of Plant Names in Sanskrit Dictionaries”. In: *Pandanus* 4.1, S. 205–226.
- (2009a). “A Chronometric Approach to Indian alchemical literature”. In: *Literary and Linguistic Computing* 24, S. 373–383.
- (2009b). “Alchemical procedures and their implications for the chronology of medieval rasaśāstra”. In: *Electronic Journal of Indian Medicine* 2.2, S. 53–65.
- (2009f). “The theory of the puruṣa in Carakasam. hitā, Śārīrasthāna 1.1 and its connection with the early history of Indian philosophy”. In: *Studien zur Indologie und Iranistik* 26, S. 27–69.
- (2008a). “Frequent phrases and their Application to Text Segmentation”. In: *Studien zur Indologie und Iranistik* 25, S. 55–72.
- (2008b). “Rasāyana und die āyurvedische Krankheitskunde”. In: *Traditional South Asian Medicine* 8, S. 32–64.
- (2003). “Automatisierte Suche von Wortgruppen in Sanskrit-Texten”. In: *Berliner Indologische Studien* 15/16/17, S. 251–263.

Konferenzbeiträge

- Gupta, Ashim, Amrith Krishna, Pawan Goyal und Oliver Hellwig (2020). “Evaluating Neural Morphological Taggers for Sanskrit”. In: *Proceedings of SIGMORPHON*.
- Hellwig, Oliver (2020). “Dating and Stratifying a Historical Corpus with a Bayesian Mixture Model”. In: *Proceedings of the LT4HALA*. Hrsg. von Rachele Sprugnoli und Marco Passarotti, S. 1–9.
- Hellwig, Oliver, Salvatore Scarlata, Elia Ackermann und Paul Widmer (2020). “The Treebank of Vedic Sanskrit”. In: *Proceedings of the LREC*. Hrsg. von Nicoletta Calzolari, Frédéric Béchet, Philippe Blache, Khalid Choukri, Christopher Cieri, Thierry Declerck, Sara Goggi, Hitoshi Isahara, Bente Maegaard, Joseph Mariani, H  l  ne Mazo, Asuncion Moreno, Jan Odiijk und Stelios Piperidis, S. 5139–5148.

- Bladier, Tatiana, Esther Seyffarth, Oliver Hellwig und Wiebke Petersen (2018). “AET: Web-based Adjective Exploration Tool for German”. In: Proceedings of the LREC 2018. European Language Resources Association (ELRA).
- Hellwig, Oliver, Heinrich Hettrich, Ashutosh Modi und Manfred Pinkal (2018). “Multi-layer Annotation of the Ṛgveda”. In: Proceedings of the LREC.
- Hellwig, Oliver und Sebastian Nehrdich (2018). “Sanskrit Word Segmentation Using Character-level Recurrent and Convolutional Neural Networks”. In: Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing. Brussels: Association for Computational Linguistics, S. 2754–2763.
- Hellwig, Oliver (2017a). “Coarse Semantic Classification of Rare Nouns Using Cross-Lingual Data and Recurrent Neural Networks”. In: Proceedings of the 12th International Conference on Computational Semantics (IWCS), Long papers.
- Petersen, Wiebke und Oliver Hellwig (2017). “Unsupervised Induction of Compositional Types for English Adjective-Noun Pairs”. In: Proceedings of the 12th International Conference on Computational Semantics (IWCS), Short papers.
- Hellwig, Oliver (2016a). “A Computational Approach to the Text History of the Rāmāyaṇa”. In: Proceedings of the DICSEP 2008. Hrsg. von Ivan Andrijačić und Sven Sellmer. Zagreb: Croatian Academy of Sciences und Arts, S. 41–62.
- (2016b). “Detecting Sentence Boundaries in Sanskrit Texts”. In: Proceedings of COLING. Osaka, S. 288–297.
- (2016c). “Improving the Morphological Analysis of Classical Sanskrit”. In: Proceedings of the 6th Workshop on South and Southeast Asian Natural Languages. Osaka, S. 142–151.
- Hellwig, Oliver und Wiebke Petersen (2016). “What’s Pāṇini got to do with it? The use of gan. aheaders from the As.t.ādhyāyī in Sanskrit literature from the perspective of Corpus Linguistics”. In: Sanskrit and Computational Linguistics. Select papers presented in the ‘Sanskrit and the IT World’ Section at the 16th World Sanskrit Conference. Hrsg. von Amba Kulkarni. New Delhi: DK Publishers, S. 1–20.
- Petersen, Wiebke und Oliver Hellwig (2016). “Exploring the value space of attributes: Unsupervised bidirectional clustering of adjectives in German”. In: Proceedings of the COLING, S. 2839–2848.
- Hellwig, Oliver (2015a). “Morphological Disambiguation of Classical Sanskrit”. In: Systems and Frameworks for Computational Morphology. Hrsg. von Cerstin Mahlow und Michael Piotrowski. Cham: Springer, S. 41–59.
- (2015b). “Using Recurrent Neural Networks for joint compound splitting and Sandhi resolution in Sanskrit”. In: Proceedings of the 7th LTC. Hrsg. von Zygmunt Vetulani und Joseph Mariani, S. 289–293.
- Hellwig, Oliver und Wiebke Petersen (2015a). “Correlation between Lexical and Determination Types”. In: Proceedings of the GSCL Conference, S. 130–137.
- (2015b). “Extending the Core Functionalities of Aṣṭādhyāyī 2.0”. In: Proceedings of the SALA-31, S. 27–29.
- Hellwig, Oliver und Sven Sellmer (2015). “Frame Semantic Annotation of Sanskrit Texts”. In: Proceedings of the SALA-31, S. 30–33.
- Czardybon, Adrian, Oliver Hellwig und Wiebke Petersen (2014). “Statistical analysis of the role of word order in Polish determination types”. In: Proceedings of PoITAL2014. Hrsg. von Adam Przepiórkowski und Maciej Ogrodniczuk. Springer International Publishing.
- Hellwig, Oliver und Wiebke Petersen (2014). “Detecting Relational Constructions in German Texts Automatically”. In: Proceedings of the 12th edition of the KONVENS conference. Hrsg. von Josef Ruppenhofer und Gertrud Faaß, S. 40–47.

- Hellwig, Oliver (2013). "Googling the Rishi. Graph Based Analysis of Parallel Passages in Sanskrit Literature". In: Recent Researches in Sanskrit Computational Linguistics. Hrsg. von Malhar Kulkarni und Chaitali Dangarikar. D. K. Printworld, S. 172–190.
- (2012a). "Computational Processing of Sanskrit – Challenges and Perspectives". In: 14th World Sanskrit Conference, Proceedings of the Linguistic Section. Hrsg. von Jared S. Klein und Kazuhiko Yoshida. Bremen: Hempen Verlag, S. 37–48.
 - (2012b). "ratha = "warrior" or "chariot"? Computational Approaches to Polysemy in Sanskrit". In: Proceedings of the World Sanskrit Conference 2012.
- Hellwig, Oliver (2010c). "Performance of a lexical and POS tagger for Sanskrit". In: Proceedings of the Fourth International Sanskrit Computational Linguistics Symposium. Hrsg. von G.N. Jha. Berlin: Springer Verlag, S. 162–172.
- Reiter, Nils, Oliver Hellwig, Anand Mishra, Anette Frank und Jens Burkhardt (2010). "Using NLP Methods for the Analysis of Rituals". In: Proceedings of the LREC, S. 2040–2045.
- Reiter, Nils, Oliver Hellwig, Anand Mishra, Irina Gossman, Borayin Maitrey Larios, Julio Rodrigues, Britta Zeller und Anette Frank (2010). "Adapting Standard NLP Tools and Resources to the Processing of Ritual Descriptions". In: Proceedings of the ECAI 2010 Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities, S. 39–46.
- Hellwig, Oliver (2009c). "Extracting Dependency Trees from Sanskrit Texts". In: Sanskrit Computational Linguistics. Third International Symposium. Hrsg. von Amba Kulkarni und Gérard Huet. Lecture Notes in Artificial Intelligence, 5406. Berlin: Springer, S. 106–115.
- (2009e). "SanskritTagger, a stochastic lexical and POS tagger for Sanskrit". In: Sanskrit Computational Linguistics. First and Second International Symposia. Hrsg. von Gérard Huet, Amba Kulkarni und Peter Scharf. Lecture Notes in Artificial Intelligence, 5402. Berlin: Springer Verlag, S. 266–277.

Buchkapitel

- Hellwig, Oliver und Axel Michaels (2013). "Ritualgrammatik". In: Ritual und Ritualdynamik. Schlüsselbegriffe, Theorien, Diskussionen. Hrsg. von Christiane Brosius, Axel Michaels und Paula Schrode. Göttingen: Vandenhoeck & Ruprecht, S. 144–150.
- Hellwig, Oliver (2010b). "Intoxication". In: Brill's Encyclopedia of Hinduism. Hrsg. von Knut A. Jacobsen. Bd. 2. Leiden: Brill, S. 460–471.

Besprechungen

- Hellwig, Oliver (2008c). Recension of: Rahul Peter Das: The Origin of the Life of a Human Being. In: Zeitschrift der Deutschen Morgenländischen Gesellschaft Bd. 158, S. 504–506.
- (2007). Recension of: Martin Gansten: Patterns of Destiny. Hindu Nāḍī Astrology. In: Zeitschrift der Deutschen Morgenländischen Gesellschaft Bd. 157, Heft 2, S. 514/15.