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Knowledge extraction from archives of natural history collections

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Curriculum Vitae

Lise Stork was born on the 8th of April, 1990, in Eindhoven, the Netherlands. She graduated from the Strabrecht College in 2008. In 2012, she moved to Utrecht, where she obtained a BA degree in Communication and Information Studies from the University of Utrecht. Considering a domain change, she moved her studies to the Leiden Institute of Advanced Computer Science (LIACS) of Leiden University, where she eventually, in 2016, graduated cum laude with a MSc degree in Media Technology.

In her pursuit of a second Master's degree in the field of artificial intelligence (AI), she came across another alternative: a PhD research position in the field of AI and digital cultural heritage at the LIACS institute, on the project *Making Sense of Illustrated Handwritten Archives*. Hence, in 2016, immediately after having obtained her Master's degree, Lise joined the consortium as a PhD candidate, conducting her research at the LIACS institute. Since December 2020, she works as a Postdoc in the Knowledge Representation and Reasoning group (KRR) of the Vrije Universiteit Amsterdam (VUA), on the project Meaning and Understanding in Human Centered Artificial Intelligence (MUHAI), with a focus on the development of systems that reason in a human-understandable way.

1st of July, 2021

List of Publications

◆ Journals

- Stork, L., Weber, A., Gassó Miracle, E., Verbeek, F., Plaat, A., Herik, J. van den, and Wolstencroft, K. Semantic annotation of natural history collections. *Web Semantics: Science, Services and Agents on the World Wide Web* (2018), <https://doi.org/10.1016/j.websem.2018.06.002>
- Stork, L., Weber, A., van den Herik, J., Plaat, A., Verbeek, F., & Wolstencroft, K. (2021). Large-scale zero-shot learning in the wild: Classifying zoological illustrations. *Ecological Informatics*, 62, 101222. <https://doi.org/10.1016/j.ecoinf.2021.101222>

◆ Conferences

- Weber, A., Ameryan, M., Wolstencroft, K., Stork, L., Heerlien, M., and Schomaker, L. Towards a digital infrastructure for illustrated handwritten archives. In M. Loannides, editor, *Digital Cultural Heritage*, volume 10605 of *Lecture Notes in Computer Science*, pages 155–166. Springer International Publishing, April 2018. https://doi.org/10.1007/978-3-319-75826-8_13
- Stork, L., Weber, A., Herik, J. van den, Plaat, A., Verbeek, F., and Wolstencroft, K. From handwritten manuscripts to linked data, In: Méndez E., Crestani F., Ribeiro C., David G., Lopes J. (eds) *Digital Libraries for Open Knowledge*. TPDFL 2018. volume 11057 of *Lecture Notes in Computer Science*, Springer, Cham https://doi.org/10.1007/978-3-030-00066-0_34
- Stork, L., Weber, A., Van den Herik, J., Plaat, A., Verbeek, F., Wolstencroft, K., Automated semantic annotation of species names in handwritten texts, In: Fuhr, N., Azzopardi, L., Stein, B., Hauff, C., Mayr, P. & Hiemstra, D. (eds.) *Advances in Information Retrieval: 41st European Conference on Information Retrieval Research (ECIR)*, 2019. vol. 11437 of *Lecture Notes in Computer Science*, Springer, Cham. 667-680 14 p. https://doi.org/10.1007/978-3-030-15712-8_43

PUBLICATIONS

◆ Other

- Stork, L., Weber, A., Gassó Miracle, E., and Wolstencroft, K., A workflow for the semantic annotation of field Books and specimen labels, in Biodiversity Information Science and Standards 2: e25839 (2018) <https://doi.org/10.3897/biss.2.25839>

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