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The Netherlands

Digital thesauri as semantic treasure troves: a Linguistic Linked Data approach to "A Thesaurus of Old English"
Stolk, S.S.

Curriculum vitae

Sander Stolk was born in Beverwijk on 5 March 1985. He obtained his VWO-Atheneum certificate from Kennemer College, Beverwijk, in 2003. In 2009, he received his M.Sc. degree in Computer Science at VU University, Amsterdam, where he specialized in Internet and Web technology. A subsequent study at Leiden University granted him a M.A. degree in Literary Studies, English Literature and Culture, in 2013. His M.A. thesis was awarded for being one of the most novel within the Humanities faculty.

Since 2014, Sander Stolk has worked at Semmtech, where he has employed linguistic principles to sustainably and effectively share information through ontologies and related Web technologies (i.e., Linked Data, Semantic Web) — as Software Developer (2014-15), Semantic Architect (2015-19), and, currently, Head of Innovation (2020-present).

Sander Stolk started his PhD research as an external student at Leiden University in 2016. He actively contributed to standardization efforts surrounding Linguistic Linked Data as a member of the Ontology-Lexica Community Group of W3C (2017-21); organized workshops on the subject of thesauri and applying Linguistic Linked Data to *A Thesaurus of Old English* (2019, 2020, 2021); co-edited a special issue of the journal *Amsterdamer Beiträge zur älteren Germanistik* 81.3-4 (2021); organized a session and round table discussion at the Leeds International Medieval Congress (2021); and co-founded and chaired the Digital Humanities Student Network (2017-22).

The majority of his publications and public speaking have either been on the efforts for his PhD research or, through his work at Semmtech, on the utilization of Linked Data for sharing information on the built environment.

List of publications

This section lists the author's publications that are on the subject of topical thesauri, Linguistic Linked Data, or both. These publications include conference papers, articles, specifications of Web vocabularies, and a book review. Those publications that appear as chapters within this dissertation are marked as such.

[2021]

Porck, M. H. and S. Stolk (eds.), *Exploring Early Medieval English Eloquence: A Digital Humanities Approach with A Thesaurus of Old English and Evoke*: Special issue of *Amsterdamer Beiträge zur älteren Germanistik* 81,3-4 (2021). https://brill.com/view/journals/abag/81/3-4/abag.81.issue-3-4.xml. Editorship of journal special issue

Stolk, S., 'Evoke: Exploring and Extending *A Thesaurus of Old English* using a Linked Data Approach', *Amsterdamer Beiträge zur älteren Germanistik* 81.3-4 (2021), 318–58. doi: 10.1163/18756719-12340235. Article in journal Dissertation Chapter 7

Van de Poel, R. and S. Stolk, 'A Case of Kinship: Onomasiological Explorations of KINSHIP in Old Frisian and Old English', *Amsterdamer Beiträge zur älteren Germanistik* 81.3-4 (2021), 457–92. doi: 10.1163/18756719-12340239. Article in journal Dissertation Chapter 9

[2020]

Chiarcos, C., M. Ionov, J. de Does, K. Depuydt, A. F. Khan, S. Stolk, T. Declerck, J. P. McCrae, 'Modelling Frequency and Attestations for OntoLex-Lemon', Proceedings of Globalex 2020 Workshop on Linked Lexicography, 11-16 May 2020, pp. 1–9. https://www.aclweb.org/anthology/2020.globalex-1.1.pdf. Conference paper

[2019]

Stolk, S., '*A Thesaurus of Old English* as Linguistic Linked Data', Proceedings of eLex 2019, Sintra, 1–3 October 2019. https://elex.link/elex2019/wp-content/uploads/2019/09/eLex_2019_13.pdf. Conference paper Dissertation Chapter 6

Stolk, S., '*lemon-tree*: Representing Topical Thesauri on the Semantic Web', Proceedings of Linked Data Knowledge 2019, Leipzig, 20–23 May 2019. doi: 10.4230/OASIcs.LDK.2019.16. Conference paper Dissertation Chapter 5

'The OntoLex Lemon Lexicography Module', W3C, Final Community Group Report, eds. J. Bosque-Gil and J. Gracia, 17 September 2019. https://www.w3.org/2019/09/lexicog/. Web vocabulary

[2018]

Lemon-tree', ed. S. Stolk, 6 October 2018. https://w3id.org/lemon-tree. Web vocabulary

[2017]

Stolk, S., 'OntoLex and Onomasiological Ordering: Supporting Topical Thesauri', Proceedings of the LDK 2017 Workshops, NUI Galway, 18 June 2017, pp. 60–67. http://ceur-ws.org/Vol-1899/OntoLex__2017__paper__3.pdf. Conference paper Dissertation Chapter 4

Stolk, S., '*Mapping English Metaphor through Time*, eds. W. Anderson, E. Bramwell, and C. Hough', *English Studies* 98.8 (2017), 1004–6. doi: 10.1080/0013838X.2017.1365556. Book review

List of source code

This section lists source code of software released by the author as part of this dissertation. These four releases are Web applications and data transformations that enable users to work with Linguistic Linked Data. The releases listed here have been made available under open licenses.

Evoke Web application
Creator: Sander Stolk
Version: 1.4.1
Released: 6 January 2022
License: GPL 3.0
Repository: https://github.com/ssstolk/evoke
Described in: Chapter 7
Mentioned in: Chapter 8, 9

Alignment tooling PDF glossaries and *TOE*-LLD Web application
Creator: Sander Stolk
Version: 1.0
Released: 12 October 2022
License: GPL 3.0
Repository: https://github.com/ssstolk/aligntool-pdfgloss
Described in: Chapter 7
Mentioned in: Chapter 8

***TOE* to *TOE*-LLD** Data transformation
Creator: Sander Stolk
Released: 5 November 2021
License: MIT
Repository: https://github.com/ssstolk/toe-lld
Described in: Chapter 6
Mentioned in: Chapter 7, 8, 9

'Old Frisian: Kinship' from MS Excel to LLD Data transformation
Creator: Sander Stolk
Released: 5 November 2021
License: MIT
Repository: https://github.com/ssstolk/oldfrisian-kinship
Described in: Chapter 7
Mentioned in: Chapter 8, 9