

Semantic Assistants – User-Centric Natural Language Processing Services for Desktop Clients

Submitted by [rene](#) [1] on Tue, 2009-08-25 12:45

- [nlp](#) [2]
- [semantic assistants](#) [3]
- [Semantic Computing](#) [4]
- [Semantic Desktop](#) [5]

Title	Semantic Assistants – User-Centric Natural Language Processing Services for Desktop Clients
Publication Type	Conference Paper
Year of Publication	2008
Refereed Designation	Refereed
Authors	Witte, R. [6], and T. Gitzinger [7]
Conference Name	3rd Asian Semantic Web Conference (ASWC 2008)
Tertiary Title	LNCS
Volume	5367
Pagination	360–374
Date Published	Feb. 2–5, 2009
Publisher	Springer
Conference Location	Bangkok, Thailand
Keywords	NLP [8], Semantic Assistants [9], Semantic Computing [10], Semantic Desktop [11]
Abstract	<p>Today's knowledge workers have to spend a large amount of time and manual effort on creating, analyzing, and modifying textual content. While more advanced semantically-oriented analysis techniques have been developed in recent years, they have not yet found their way into commonly used desktop clients, be they generic (e.g., word processors, email clients) or domain-specific (e.g., software IDEs, biological tools). Instead of forcing the user to leave his current context and use an external application, we propose a ``Semantic Assistants'' approach, where semantic analysis services relevant for the user's current task are offered directly within a desktop application. Our approach relies on an OWL ontology model for context and service information and integrates external natural language processing (NLP) pipelines through W3C Web services.</p>
URL	http://rene-witte.net/semantic-assistants-aswc08 [12]
DOI	10.1007/978-3-540-89704-0_25 [13]
Copyright	Copyright © 2008 Springer-Verlag. This is the author's version of the work. It is posted here by permission of Springer for your personal use. Not for redistribution.
Acceptance Rate	31%
Attachment	Size
witte_gitzinger_semantic_assistants_aswc08.pdf [14]	331.04 KB



Except where otherwise noted, all original content on this site is copyright by its author and licensed under a [Creative Commons Attribution-Share Alike 2.5 Canada License](https://creativecommons.org/licenses/by-sa/2.5/ca/).

Source URL (retrieved on 2025-12-04 04:30):

<https://www.semanticsoftware.info/biblio/semantic-assistants-%E2%80%93-user-centric-natural-language-processing-services-for-desktop-clients>

Links:

- [1] <https://www.semanticsoftware.info/users/rene>
- [2] <https://www.semanticsoftware.info/category/blog-tags/nlp>
- [3] <https://www.semanticsoftware.info/category/blog-tags/semantic-assistants>
- [4] <https://www.semanticsoftware.info/category/blog-tags/semantic-computing>
- [5] <https://www.semanticsoftware.info/category/blog-tags/semantic-desktop>
- [6] <https://www.semanticsoftware.info/biblio/author/1>
- [7] <https://www.semanticsoftware.info/biblio/author/2>
- [8] <https://www.semanticsoftware.info/biblio/keyword/3>
- [9] <https://www.semanticsoftware.info/biblio/keyword/7>
- [10] <https://www.semanticsoftware.info/biblio/keyword/8>
- [11] <https://www.semanticsoftware.info/biblio/keyword/9>
- [12] <http://rene-witte.net/semantic-assistants-aswc08>
- [13] http://dx.doi.org/10.1007/978-3-540-89704-0_25
- [14] https://www.semanticsoftware.info/system/files/witte_gitzinger_semantic_assistants_aswc08.pdf