

Various dialogue services for different domains can be quickly configured by re-using existing dialogue components. Several dialogue services ranging from different domains to different languages were implemented. Experiments on these systems showed that the systems were responsive and dialogues can be carried out through multimodal web interface with right state management.

References

1. MICHAEL F. MCTEAR, "Spoken Dialogue Technology: Enabling the Conversational User Interface", *ACM Computing Surveys*, Vol. 34, No. 1, March 2002, pp. 90–169.
2. Jerome R. Bellegarda, "Spoken Language Understanding for Natural Interaction: the Siri Experience". Proceedings of the 4th International Workshop on Spoken Dialogue Systems, Ermenonville, France, Nov 28-30, 2012, pp.3-14.
3. Goddeau, David et al., *Deploying Speech Applications over the Web*, Digital Equipment Corporation, 4 pages, 1997.
4. M. Fuchs, N. Tsourakis, and M. Rayner, "A scalable architecture for web deployment of spoken dialogue systems," in Proceedings of LREC 2012, Istanbul, Turkey, 2012.
5. Richard A. Frost, Ali Karaki, David A. Dufour, Josh Greig, Ramehmatullah Hafiz, Yue Shi, Shawn Daichendt, Shahriar Chandon, Justin Barolak, and Randy J. Fortier, "MySpeechWeb: Software to Facilitate the Construction and Deployment of Speech Applications on the Web", ASSETS'08, October 13–15, 2008, Halifax, Nova Scotia, Canada.
6. Voice Extensible Markup Language (VoiceXML) 2.1, W3C Recommendation 19 June 2007: <http://www.w3.org/TR/voicexml21/>.
7. Kuansan Wang, "SALT: An XML Application for Web-based Multimodal Dialog Management". Proceedings of the 2nd workshop on NLP and XML - Volume 17, Association for Computational Linguistics Stroudsburg, PA, USA ©2002
8. S.W. Hamerich, Y. H. Wang, V. Schubert, V. Schless and S. Igel, "XML-Based Dialogue Descriptions in the GEMINI Project". Proceedings of the "Berliner XML-Tag 2003, Germany, pp. 404-412.
9. T. Heinroth and D. Denich, "Spoken Interaction within the Computed World: Evaluation of a Multitasking Adaptive Spoken Dialogue System", 35th Annual IEEE International Computer Software and Applications Conference (COMPSAC 2011), IEEE, 2011.
10. James Glass and Eugene Weinstein, "SpeechBuilder: Facility Spoken Dialogue System Development." The 7th European Conference on Speech Communication and Technology, Aalborg, Denmark, September, 2001.
11. Internet Engineering Task Force (IETF), December 2011, The WebSocket Protocol: <http://tools.ietf.org/html/rfc6455>.
12. Sitepal – Create an animated talking character for your website: <http://www.sitepal.com/home/>.
13. R. Jiang, Y. K. Tan, D. K. Limbu, and H. Li, "Component pluggable dialogue framework and its application to social robots", in *Proc. Int'l Workshop on Spoken Language Dialog Systems*, 2012.