

LREC 2014 Workshop

CCURL 2014

**Collaboration and Computing for Under-Resourced Languages
in the Linked Open Data Era**

Reykjavík (Iceland), 26th May 2014

Poster Presentation

Title

InterlinguaPlus Machine Translation Approach for Under-Resourced Languages: Ekegusii & Swahili

Authors

Edward O. Ombui, Peter W. Wagacha, Wanjiku Ng'ang'a

Abstract

This paper elucidates the InterlinguaPlus design and its application in bi-directional text translations between Ekegusii and Kiswahili languages unlike the traditional translation pairs, one-by-one. Therefore, any of the languages can be the source or target language. The first section is an overview of the project, which is followed by a brief review of Machine Translation. The next section discusses the implementation of the system using Carabao's open machine translation framework and the results obtained. So far, the translation results have been plausible particularly for the resource-scarce local languages and clearly affirm morphological similarities inherent in Bantu languages.