

## DOCUMENT SUPPLEMENT FOR SPELLING VERIFICATION

D. A. Hamilton, A. M. Herzik and W. S. Rosenbaum

This article describes a concept for efficient automatic spelling verification where a document contains vocabulary specific to the document, by storing a special supplement to the spelling dictionary with the document.

Storage dictionaries for automatic spelling verification systems generally include a large fixed main dictionary and a smaller supplemental dictionary that may be tailored to the specific business needs of the user, e.g., medical, legal, etc. In many instances a document will contain vocabulary that is specific to the document and appears in no other documents. It becomes inappropriate to enter this vocabulary in the general supplemental dictionary, but the vocabulary will be flagged as misspelled each time the document is revised. A solution to this problem is to provide a temporary storage for the document's specific vocabulary and to store the contents of the temporary storage as a page of the document. Thus each time the document is read into the system for revision, the content of the vocabulary page is read into the temporary dictionary storage. The spelling verification algorithm can then access the temporary dictionary storage along with the supplemental and fixed dictionaries in checking the spelling in the document.