



## TECHNOLOGY

# Method for Morphological Analysis and an Error Tolerant Dictionary Lookup

## OVERVIEW

### Background

Language learners often wish to consult dictionaries to find the meaning of a newly encountered word. Imperfect recognition of the word (such as mishearings or misrecognition of letters) impedes this lookup. In addition, beginning language learners may not be able to transform a morphologically complex word into its canonical citation form as found in a dictionary.

### Innovative Technology

Researchers at the University of Maryland's Center for the Advanced Study of Language have developed a system allowing language learners to look up a word in an electronic dictionary regardless of whether or not they know correct spelling of a word or know its canonical citation form.

## APPLICATIONS

- Electronic dictionary
- Language learning software
- Spellcheck software
- Low-resource languages software

## ADVANTAGES

- Increased ease of use and accuracy for users
- Language learning software developers can create dictionary lookup tool without the need for extensive corpora
- Allows development of dictionary lookup tool for low-resource language

## CONTACT INFO

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## Additional Information

### INSTITUTION

University of Maryland, College Park

### PATENT STATUS

Pending

## **LICENSE STATUS**

Contact OTC for licensing information

## **CATEGORIES**

- Education/Training/Multimedia
- Information Technology

## **EXTERNAL RESOURCES**

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