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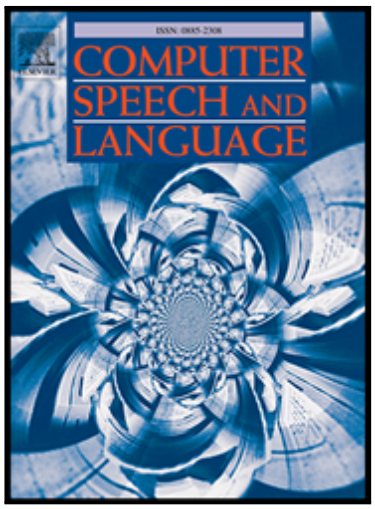

Prediction of a Hotspot Pattern in Keyword Search Results

Jie Gao, Axinia Radeva, Chuyao Shen, Shiqi Wang, Qianbo Wang, Rebecca J. Passonneau

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Highlights

- Hotspots of keyword search detections over speech recognition output are identified
- Keyword hotspots are modeled as Hawkes process to automatically label data
- Prosodic features are used to predict hotspots for word-sized time intervals
- Two challenges, class imbalance and disparity of training and test data, are addressed
- A novel data selection method with good generalization properties, is proposed

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