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Call for Papers

Special Issue on Searching Speech

ACM Transactions on Information Systems is soliciting contributions to a special issue on the topic of "Searching Speech". The special issue will be devoted to algorithms and systems that use speech recognition and other types of spoken audio processing techniques to retrieve information, and, in particular, to provide access to spoken audio content or multimedia content with a speech track.

The field of spoken content indexing and retrieval has a long history dating back to the development of the first broadcast news retrieval systems in the 1990s. More recently, however, work on searching speech has been moving towards spoken audio that is produced spontaneously and in conversational settings. In contrast to the planned speech that is typical for the broadcast news domain, spontaneous, conversational speech is characterized by high variability and the lack of inherent structure. Domains in which researchers face such challenges include: lectures, meetings, interviews, debates, conversational broadcast (e.g., talk-shows), podcasts, call center recordings, cultural heritage archives, social video on the Web, spoken natural language queries and the Spoken Web.

We invite the submission of papers that describe research in the following areas:

- Integration of information retrieval algorithms with speech recognition and audio analysis techniques
- Interfaces and techniques to improve user interaction with speech collections
- Indexing diverse, large scale collections large scale collections
- Search effectiveness and efficiency, including exploitation of additional information sources

For submission instructions, please refer to <http://tois.acm.org/authors.html> and add a comment that the submission is intended for the special issue on Searching Speech. ACM TOIS is a leading journal in the field of information retrieval, dedicated to publishing quality high papers on the design and evaluation of systems that find, organize, and analyze information. Authors should note that submissions building on previous conference or workshop

publications are allowed, but must contain a minimum of 50% new material.

Important Dates

Paper submission deadline: March 1, 2011

Author Notification date: May 1, 2011

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Last change: *September 16, 2010*