Voice Search at Google
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Abstract:
Google's Voice Search, a free service to recognize spoken web queries and currently available for the iPhone/iPod-Touch/iPad as part of the Google Mobile App and some Android platform phones has been growing steadily in traffic since its launch in 2008. In this talk I want to share what our vision for Voice Search is, how we planned to develop it, what challenges we faced, how language models, acoustic models and dictionary were developed, what special techniques we had to develop because of special features of the certain languages (Japanese/Korean), what maintenance is necessary to keep it working, and how we see Voice Search develop in the future. I will show some demos for other languages and some new features currently only available for English Voice Search. I will also discuss briefly other speech projects at Google, the audio indexing project and its use for YouTube, Voice Mail transcription as part of Google Voice and other experimental projects.

About the Speaker:
Mike Schuster graduated in Electric Engineering from the Gerhard-Mercator University in Duisburg, Germany in 1993. After receiving a scholarship to study in Japan he spent a year in Japan to study Japanese in Kyoto and Fiber Optics in the Kikuchi laboratory at Tokyo University. His professional career in speech brought him to Advanced Telecommunications Research Laboratories in Kyoto, Nuance in the US and NTT in Japan where he worked on speech recognition research and development after getting his PhD at the Nara Institute of Science and Technology. Today he is part of the speech recognition group at Google Research where he focuses on all aspects of making speech recognition technology available to the public, recently mostly through the VoiceSearch project.