

Voice recognition in difficult settings
Where off the shelf approaches won't work

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Dysarthria is the most common acquired speech disorder affecting 170 per 100,000 populations. In its severest form dysarthric speech is unintelligible to others and may take the form of producing vocal utterances, rather than words recognizable to unfamiliar communication partners. Some people with dysarthric speech like cerebral palsied individuals are also severely motor-impaired with limited or no control of their local environment. The combination of speech and general physical disability can make it particularly problematic for them to interact in their environment and limits independence. Positive intervention/rehabilitation using modern research technology like automatic speech recognition (ASR) would hence be very desirable.