

## Clinical applications of speech technology

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As speech technologies mature and become ever more pervasive, the opportunities for real impact for people increases. This talk will outline the major areas of clinical applications of speech technology, but also draw out the inherent challenges of doing so. An overview of recent state-of-the-art research from current projects at the University of Sheffield (UK)'s Speech and Hearing (SPandH) & Healthcare will be presented. In particular, recent advances in the automatic speech recognition of dysarthric speech and the use of speech technology to detect signs of cognitive decline.