Participatory Interface Design for Intelligent Augmentative and Alternative Communication Technologies

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ABSTRACT

Artificial intelligence in the form of natural language processing has a pivotal role in increasing the communication rate for users of Augmentative and Alternative Communication (AAC) technologies. However, communication rates remain prohibitively slow. Research at Dundee University has highlighted the importance of participatory design, focusing on language development and the role that NLP can play to support different aspects of communication. With reference to how different AI technologies can impact communication, the need for a paradigm shift in the design of interfaces will be demonstrated.