Rapid development of a command and control interface for smart office environments

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ABSTRACT:

Speech-driven command and control is increasingly gaining momentum in the world around us. Using human speech to control appliances in trendy living spaces allows a user to control many appliances remotely. This paper discusses the rapid development of a Speech Node device as a solution to an internet-of-things requirement, creating a smart office environment. An intuitive user interface design, and the development and evaluation of an accented command and control model is described. User evaluation indicates good acceptance of the UI and highlights specific future improvement strategies.