Haptic Music: Non-Musicians Collaboratively Creating Music

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ABSTRACT

The Haptic Music system allows up to three people to collaboratively create music in a jazz style. The users can have varying musical backgrounds, and even a novice can use his/her creativity to create a novel composition. The system consists of three stations: solo, rhythm, and accompaniment. The solo station allows a user to play individual notes and longer embellishments using the haptic lens interface device. At the rhythm station the user can add new beats to the composition using a midi controller. And the accompanist controls instrument levels, tempo, and the band via four proximity sensors.

Keywords

Interactive music, collaboration, musical interface, performance

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