Multimodal Medical Alarms

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Message from the Guest Editors

Despite efforts to specify standards for unimodal audible alarms, significant problems persist. In the cognitively demanding environment of the healthcare setting, multimodal presentation may help overcome some of these challenges, benefiting from the advantages this offers in general human-computer interaction.

This Special Issue aims to provide a collection of high quality research articles that address broad challenges in both theoretical and applied aspects of multimodal medical alarms – capitalizing on neuroscience and engineering principles to improve patient monitoring, patient safety, and clinicians' ability to leverage the use of multisensory integration in their clinical practice.

Special Issue